

# Mechanisms of TGF-Î² Signaling from Cell Membrane to

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Hormonal Inhibition of Feeding and Death in Octopus: Control by Optic Gland Secretion. <i>Science</i> , 1977, 198, 948-951.	6.0	181
3	Glioma gene therapy with soluble transforming growth factor- $\beta$ receptors II and III. <i>International Journal of Oncology</i> , 1992, 33, 759.	1.4	9
4	Lentiviral-mediated Smad4 RNAi induced anti-proliferation by p16 up-regulation and apoptosis by caspase 3 down-regulation in hepatoma SMMC-7721 cells. <i>Oncology Reports</i> , 1994, 20, 1053.	1.2	4
5	Photopheresis: Clinical Applications and Mechanism of Action. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 1999, 4, 85-90.	0.8	119
6	North-South aspects of the climate change issue: towards a negotiating theory and strategy for developing countries. <i>International Journal of Sustainable Development</i> , 2000, 3, 115.	0.1	10
7	Arkadia amplifies TGF- $\beta$ superfamily signalling through degradation of Smad7. <i>EMBO Journal</i> , 2003, 22, 6458-6470.	3.5	195
8	Genetic and pathogenetic insights into inflammatory bowel disease. <i>Current Gastroenterology Reports</i> , 2003, 5, 487-492.	1.1	14
9	Identification of the anthelix motif in the TGF- $\beta$ superfamily by molecular 3D-Rapid Prototyping. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2003, 34, 1113-1119.	0.5	11
10	TGF- $\beta$ signaling in human skeletal and patterning disorders. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2003, 69, 333-351.	3.6	73
11	Cytostatic and apoptotic actions of TGF- $\beta$ in homeostasis and cancer. <i>Nature Reviews Cancer</i> , 2003, 3, 807-820.	12.8	1,486
12	From developmental disorder to heritable cancer: it's all in the BMP/TGF- $\beta$ family. <i>Nature Reviews Genetics</i> , 2003, 4, 763-773.	7.7	258
13	Macrophage migration inhibitory factor: a regulator of innate immunity. <i>Nature Reviews Immunology</i> , 2003, 3, 791-800.	10.6	2,045
14	TGFbeta1 signaling via alphaVbeta6 integrin. <i>Molecular Cancer</i> , 2003, 2, 28.	7.9	7
15	TGFbeta1 activates c-Jun and Erk1 via alphaVbeta6 integrin. <i>Molecular Cancer</i> , 2003, 2, 33.	7.9	12
16	The molecular basis of retinoid action in tumors. <i>Trends in Molecular Medicine</i> , 2003, 9, 509-511.	3.5	18
17	Interaction of Smad3 and SRF-associated complex mediates TGF- $\beta$ 1 signals to regulate SM22 transcription during myofibroblast differentiation. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 1407-1420.	0.9	130
18	The nuts and bolts of IRF structure. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 874-876.	3.6	8
19	BMP Induction of Id Proteins Suppresses Differentiation and Sustains Embryonic Stem Cell Self-Renewal in Collaboration with STAT3. <i>Cell</i> , 2003, 115, 281-292.	13.5	1,930

#	ARTICLE	IF	CITATIONS
20	Nodal Signaling in Vertebrate Development. Annual Review of Cell and Developmental Biology, 2003, 19, 589-621.	4.0	590
21	Tomoregulin-1 (TMEFF1) inhibits nodal signaling through direct binding to the nodal coreceptor Cripto. Genes and Development, 2003, 17, 2624-2629.	2.7	59
22	Ecsit is required for Bmp signaling and mesoderm formation during mouse embryogenesis. Genes and Development, 2003, 17, 2933-2949.	2.7	87
23	Distinct Domain Utilization by Smad3 and Smad4 for Nucleoporin Interaction and Nuclear Import. Journal of Biological Chemistry, 2003, 278, 42569-42577.	1.6	102
24	Ecsit-ement on the crossroads of Toll and BMP signal transduction. Genes and Development, 2003, 17, 2855-2859.	2.7	34
25	Molecular and functional analysis identifies ALK-1 as the predominant cause of pulmonary hypertension related to hereditary haemorrhagic telangiectasia. Journal of Medical Genetics, 2003, 40, 865-871.	1.5	309
26	Mad Upregulation and Id2 Repression Accompany Transforming Growth Factor (TGF)- $\beta$ 2-mediated Epithelial Cell Growth Suppression. Journal of Biological Chemistry, 2003, 278, 35444-35450.	1.6	85
27	Repression of Smad transcriptional activity by PIASy, an inhibitor of activated STAT. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9791-9796.	3.3	104
28	Mixer/Bon and FoxH1/Sur have overlapping and divergent roles in Nodal signaling and mesendoderm induction. Development (Cambridge), 2003, 130, 5589-5599.	1.2	49
29	Identification of a Surface for Binding to the GDNF-GFR $\alpha$ 1 Complex in the First Cadherin-like Domain of RET. Journal of Biological Chemistry, 2003, 278, 47898-47904.	1.6	44
30	Direct signaling by the BMP type II receptor via the cytoskeletal regulator LIMK1. Journal of Cell Biology, 2003, 162, 1089-1098.	2.3	292
31	Another twist in the transforming growth factor $\beta$ -induced cell-cycle arrest chronicle. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15290-15291.	3.3	19
32	Integration of Smad and MAPK pathways: a link and a linker revisited. Genes and Development, 2003, 17, 2993-2997.	2.7	201
33	Identification of Novel Protein-Protein Interactions Using A Versatile Mammalian Tandem Affinity Purification Expression System. Molecular and Cellular Proteomics, 2003, 2, 1225-1233.	2.5	108
34	Activins Are Critical Modulators of Growth and Survival. Molecular Endocrinology, 2003, 17, 2404-2417.	3.7	51
36	Transforming Growth Factor- $\beta$ 2 Receptor Superfamily. , 2004, , 209-213.		0
37	Metabolic Effects of Antiproliferative Agents. , 2004, , 121-142.		0
38	Receptor Internalization-Independent Activation of Smad2 in Activin Signaling. Molecular Endocrinology, 2004, 18, 1818-1826.	3.7	27

#	ARTICLE	IF	CITATIONS
39	Impaired Transforming Growth Factor- $\beta$ Signaling in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 1340-1348.	2.5	118
41	The Role of Follistatin Domains in Follistatin Biological Action. <i>Molecular Endocrinology</i> , 2004, 18, 228-240.	3.7	63
42	Development and possible clinical use of antagonists for PDGF and TGF- $\beta$ . <i>Upsala Journal of Medical Sciences</i> , 2004, 109, 165-178.	0.4	20
43	Gonadotropin Releasing Hormone and Transforming Growth Factor $\beta$ Activate Mitogen-Activated Protein Kinase/Extracellularly Regulated Kinase and Differentially Regulate Fibronectin, Type I Collagen, and Plasminogen Activator Inhibitor-1 Expression in Leiomyoma and Myometrial Smooth Muscle Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 5549-5557.	1.8	69
44	Mutations of the Anti-Müllerian Hormone Gene in Patients with Persistent Müllerian Duct Syndrome: Biosynthesis, Secretion, and Processing of the Abnormal Proteins and Analysis Using a Three-Dimensional Model. <i>Molecular Endocrinology</i> , 2004, 18, 708-721.	3.7	81
45	A Drosophila model of early onset torsion dystonia suggests impairment in TGF- $\beta$ signaling. <i>Human Molecular Genetics</i> , 2004, 13, 2019-2030.	1.4	56
46	Primary pulmonary hypertension: molecular basis and potential for therapy. <i>Expert Reviews in Molecular Medicine</i> , 2004, 6, 1-15.	1.6	4
47	A phylogenetically conserved cis-regulatory module in the Msx2 promoter is sufficient for BMP-dependent transcription in murine and Drosophila embryos. <i>Development (Cambridge)</i> , 2004, 131, 5153-5165.	1.2	114
48	Cleavages within the Prodomain Direct Intracellular Trafficking and Degradation of Mature Bone Morphogenetic Protein-4. <i>Molecular Biology of the Cell</i> , 2004, 15, 5012-5020.	0.9	90
49	The Modulatory Role of Transforming Growth Factor $\beta$ 1 and Androstenedione on Follicle-Stimulating Hormone-Induced Gelatinase Secretion and Steroidogenesis in Rat Granulosa Cells. <i>Biology of Reproduction</i> , 2004, 70, 1292-1298.	1.2	29
50	Menin Is Required for Bone Morphogenetic Protein 2- and Transforming Growth Factor $\beta$ -regulated Osteoblastic Differentiation through Interaction with Smads and Runx2. <i>Journal of Biological Chemistry</i> , 2004, 279, 40267-40275.	1.6	122
51	BMP signaling mediated by ALK2 in the visceral endoderm is necessary for the generation of primordial germ cells in the mouse embryo. <i>Genes and Development</i> , 2004, 18, 1838-1849.	2.7	180
52	Salt Intake, Endothelial Cell Signaling, and Progression of Kidney Disease. <i>Hypertension</i> , 2004, 43, 142-146.	1.3	85
53	Matrix GLA Protein Stimulates VEGF Expression through Increased Transforming Growth Factor- $\beta$ 1 Activity in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 52904-52913.	1.6	104
54	Roles for the MH2 Domain of Smad7 in the Specific Inhibition of Transforming Growth Factor- $\beta$ Superfamily Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 31568-31574.	1.6	56
55	Interplay of Glucagon-Like Peptide-1 and Transforming Growth Factor- $\beta$ Signaling in Insulin-Positive Differentiation of AR42J Cells. <i>Diabetes</i> , 2004, 53, 2824-2835.	0.3	29
56	Differential Trafficking of Transforming Growth Factor- $\beta$ Receptors and Ligand in Polarized Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2004, 15, 2853-2862.	0.9	46
57	Determination of embryonic polarity in a regulative system: evidence for endogenous inhibitors acting sequentially during primitive streak formation in the chick embryo. <i>Development (Cambridge)</i> , 2004, 131, 3381-3390.	1.2	72

#	ARTICLE	IF	CITATIONS
58	Smad6/Smurf1 overexpression in cartilage delays chondrocyte hypertrophy and causes dwarfism with osteopenia. <i>Journal of Cell Biology</i> , 2004, 165, 433-445.	2.3	112
59	The POU Factor Oct-25 Regulates the Xvent-2B Gene and Counteracts Terminal Differentiation in <i>Xenopus</i> Embryos. <i>Journal of Biological Chemistry</i> , 2004, 279, 43735-43743.	1.6	49
60	Negative regulation of Smad2 by PIASy is required for proper <i>Xenopus</i> mesoderm formation. <i>Development (Cambridge)</i> , 2004, 131, 5613-5626.	1.2	10
61	Molecular recognition in bone morphogenetic protein (BMP)/receptor interaction. <i>Biological Chemistry</i> , 2004, 385, 697-710.	1.2	130
62	Id2 and Id3 Define the Potency of Cell Proliferation and Differentiation Responses to Transforming Growth Factor $\beta^2$ and Bone Morphogenetic Protein. <i>Molecular and Cellular Biology</i> , 2004, 24, 4241-4254.	1.1	318
63	Ubiquitination and Proteolysis of Cancer-Derived Smad4 Mutants by SCF Skp2. <i>Molecular and Cellular Biology</i> , 2004, 24, 7524-7537.	1.1	79
64	Targeted Activation of c-Jun N-terminal Kinase in Vivo Induces Restrictive Cardiomyopathy and Conduction Defects. <i>Journal of Biological Chemistry</i> , 2004, 279, 15330-15338.	1.6	97
65	An Activin Mutant with Disrupted ALK4 Binding Blocks Signaling via Type II Receptors. <i>Journal of Biological Chemistry</i> , 2004, 279, 28036-28044.	1.6	63
66	DAF-5 is a Ski oncoprotein homolog that functions in a neuronal TGF $\beta^2$ pathway to regulate <i>C. elegans</i> dauer development. <i>Development (Cambridge)</i> , 2004, 131, 435-446.	1.2	87
67	Genetic and genomic approaches to study placental development. <i>Cytogenetic and Genome Research</i> , 2004, 105, 257-269.	0.6	3
68	Activation of Smad transcriptional activity by protein inhibitor of activated STAT3 (PIAS3). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 99-104.	3.3	98
69	Identification of a $\beta^2$ Enhancer That Mediates SMAD3- and SMAD4-dependent Transcriptional Induction by Transforming Growth Factor $\beta^2$ . <i>Journal of Biological Chemistry</i> , 2004, 279, 5278-5287.	1.6	40
70	Involvement of Down-Regulation of Cdk2 Activity in Hepatocyte Growth Factor-Induced Cell Cycle Arrest at G1 in the Human Hepatocellular Carcinoma Cell Line HepG2. <i>Journal of Biochemistry</i> , 2004, 136, 701-709.	0.9	24
71	The Selective Estrogen Receptor Modulator Arzoxifene and the Rexinoid LG100268 Cooperate to Promote Transforming Growth Factor $\beta^2$ -Dependent Apoptosis in Breast Cancer. <i>Cancer Research</i> , 2004, 64, 3566-3571.	0.4	64
72	In the Absence of Type III Receptor, the Transforming Growth Factor (TGF)- $\beta^2$ Type II-B Receptor Requires the Type I Receptor to Bind TGF- $\beta^2$ . <i>Journal of Biological Chemistry</i> , 2004, 279, 22765-22772.	1.6	54
73	Endogenous Control of Cell Cycle Progression by Autocrine Transforming Growth Factor $\beta^2$ in Breast Cancer Cells. <i>Cancer Research</i> , 2004, 64, 2509-2515.	0.4	13
74	The Transcriptional Activation Program of Human Neutrophils in Skin Lesions Supports Their Important Role in Wound Healing. <i>Journal of Immunology</i> , 2004, 172, 7684-7693.	0.4	193
75	km23: A Novel TGF $\beta^2$ Signaling Target Altered in Ovarian Cancer. , 2004, 119, 315-327.		7

#	ARTICLE	IF	CITATIONS
76	Gonadal Hormones Humour the Brain. <i>Neuroendocrinology</i> , 2004, 79, 287-295.	1.2	10
77	The Biochemical and Genetic Odyssey to the Function of a Nicastrin-Like Protein. <i>Neurodegenerative Diseases</i> , 2004, 1, 192-195.	0.8	6
78	Molecular Biology of Inhibin Action. <i>Seminars in Reproductive Medicine</i> , 2004, 22, 269-276.	0.5	66
79	Smad2 Phosphorylation by Type I Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 35781-35787.	1.6	7
80	TGF- $\beta$ 1 Disrupts Endotoxin Signaling in Microglial Cells through Smad3 and MAPK Pathways. <i>Journal of Immunology</i> , 2004, 173, 962-968.	0.4	59
81	Regulation of gonadotropin subunit gene transcription. <i>Journal of Molecular Endocrinology</i> , 2004, 33, 559-584.	1.1	162
82	Reconstitution and Analysis of Soluble Inhibin and Activin Receptor Complexes in a Cell-free System. <i>Journal of Biological Chemistry</i> , 2004, 279, 53126-53135.	1.6	27
83	Differential Regulation of Membrane Type 1-Matrix Metalloproteinase Activity by ERK 1/2- and p38 MAPK-modulated Tissue Inhibitor of Metalloproteinases 2 Expression Controls Transforming Growth Factor- $\beta$ 1-induced Pericellular Collagenolysis. <i>Journal of Biological Chemistry</i> , 2004, 279, 39042-39050.	1.6	130
84	Transforming Growth Factor $\beta$ 2/Smad3 Signaling Regulates IRF-7 Function and Transcriptional Activation of the Beta Interferon Promoter. <i>Molecular and Cellular Biology</i> , 2004, 24, 1411-1425.	1.1	68
85	Altered Expression of Genes of the Bmp/Smad and Wnt/Calcium Signaling Pathways in the Cone-only Nrl-/- Mouse Retina, Revealed by Gene Profiling Using Custom cDNA Microarrays. <i>Journal of Biological Chemistry</i> , 2004, 279, 42211-42220.	1.6	52
86	Growth Differentiation Factor 9 Regulates Expression of the Bone Morphogenetic Protein Antagonist Gremlin. <i>Journal of Biological Chemistry</i> , 2004, 279, 32281-32286.	1.6	106
87	Multimerization and interaction of Toll and Spatzle in Drosophila. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9369-9374.	3.3	113
88	Hyaluronan Regulates Transforming Growth Factor- $\beta$ 1 Receptor Compartmentalization. <i>Journal of Biological Chemistry</i> , 2004, 279, 25326-25332.	1.6	120
89	Opposite Smad and Chicken Ovalbumin Upstream Promoter Transcription Factor Inputs in the Regulation of the Collagen VII Gene Promoter by Transforming Growth Factor- $\beta$ 2. <i>Journal of Biological Chemistry</i> , 2004, 279, 23759-23765.	1.6	18
90	Interaction with Smad4 Is Indispensable for Suppression of BMP Signaling by c-Ski. <i>Molecular Biology of the Cell</i> , 2004, 15, 963-972.	0.9	59
91	The Tumor Suppressor p53 Abrogates Smad-dependent Collagen Gene Induction in Mesenchymal Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 47455-47463.	1.6	58
92	Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Activates Cytosolic Phospholipase A2 $\pm$ (cPLA2 $\pm$ )-mediated Prostaglandin E2 (PGE)2/EP1 and Peroxisome Proliferator-activated Receptor- $\beta$ 3 (PPAR- $\beta$ 3)/Smad Signaling Pathways in Human Liver Cancer Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 44344-44354.	1.6	56
93	Sphingosine 1-Phosphate Cross-activates the Smad Signaling Cascade and Mimics Transforming Growth Factor- $\beta$ 2-induced Cell Responses. <i>Journal of Biological Chemistry</i> , 2004, 279, 35255-35262.	1.6	166

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94	The Positive Regulatory Effect of TGF- $\beta$ 2 on Primitive Murine Hemopoietic Stem and Progenitor Cells Is Dependent on Age, Genetic Background, and Serum Factors. <i>Journal of Immunology</i> , 2004, 173, 2486-2493.	0.4	29
95	Expression of Nodal, Lefty-A, and Lefty-B in Undifferentiated Human Embryonic Stem Cells Requires Activation of Smad2/3. <i>Journal of Biological Chemistry</i> , 2004, 279, 45076-45084.	1.6	170
97	BMP4 supports self-renewal of embryonic stem cells by inhibiting mitogen-activated protein kinase pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6027-6032.	3.3	394
98	A Signaling Pathway Involving TGF- $\beta$ 2 and Snail in Hair Follicle Morphogenesis. <i>PLoS Biology</i> , 2004, 3, e11.	2.6	148
99	Connective Tissue Remodeling Induced by Carbon Dioxide Laser Resurfacing of Photodamaged Human Skin. <i>Archives of Dermatology</i> , 2004, 140, 1326-32.	1.7	140
100	Lefty Blocks a Subset of TGF- $\beta$ 2 Signals by Antagonizing EGF-CFC Coreceptors. <i>PLoS Biology</i> , 2004, 2, e30.	2.6	132
101	Gonadotropin-releasing hormone and TGF- $\beta$ 2 activate MAP kinase and differentially regulate fibronectin expression in endometrial epithelial and stromal cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 287, E991-E1001.	1.8	38
102	Localization and Developmental Expression of the Activin Signal Transduction Proteins Smads 2, 3, and 4 in the Baboon Fetal Ovary1. <i>Biology of Reproduction</i> , 2004, 70, 586-592.	1.2	22
103	Changes in Smad expression and subcellular localization in bleomycin-induced pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L1342-L1347.	1.3	43
104	Bone morphogenetic proteins regulate ionotropic glutamate receptors in human retina. <i>European Journal of Neuroscience</i> , 2004, 20, 2031-2037.	1.2	19
105	Transforming growth factor-beta signaling is differentially inhibited by Smad2D450E and Smad3D407E. <i>Cancer Science</i> , 2004, 95, 12-17.	1.7	8
106	Regulation of transforming growth factor- $\beta$ 2 and bone morphogenetic protein signalling by transcriptional coactivator GCN5. <i>Genes To Cells</i> , 2004, 9, 143-151.	0.5	54
107	Modulation of GDF5/BRI-b signalling through interaction with the tyrosine kinase receptor Ror2. <i>Genes To Cells</i> , 2004, 9, 1227-1238.	0.5	98
108	Aging activates adipogenic and suppresses osteogenic programs in mesenchymal marrow stroma/stem cells: the role of PPAR- $\gamma$ 2 transcription factor and TGF- $\beta$ 2/BMP signaling pathways. <i>Aging Cell</i> , 2004, 3, 379-389.	3.0	718
109	Do kidney tubules serve an angiogenic soup?. <i>Kidney International</i> , 2004, 66, 862-863.	2.6	8
110	High plasminogen activator inhibitor type 2 expression is a hallmark of scleroderma fibroblasts in vitro. <i>Experimental Dermatology</i> , 2004, 13, 708-714.	1.4	13
111	Smad3 as a mediator of the fibrotic response. <i>International Journal of Experimental Pathology</i> , 2004, 85, 47-64.	0.6	520
112	Breaking symmetry: a clinical overview of left-right patterning. <i>Clinical Genetics</i> , 2004, 65, 441-457.	1.0	28

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113	Cancer genes and the pathways they control. <i>Nature Medicine</i> , 2004, 10, 789-799.	15.2	3,689
114	Development of TGF- $\beta$ 2 signalling inhibitors for cancer therapy. <i>Nature Reviews Drug Discovery</i> , 2004, 3, 1011-1022.	21.5	500
115	Nucleocytoplasmic shuttling of signal transducers. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 209-219.	16.1	240
116	A role for Id in the regulation of TGF- $\beta$ 2-induced epithelial $\rightarrow$ mesenchymal transdifferentiation. <i>Cell Death and Differentiation</i> , 2004, 11, 1092-1101.	5.0	141
117	Negative regulation of TGF- $\beta$ 2 signaling in development. <i>Cell Research</i> , 2004, 14, 441-449.	5.7	27
118	Endogenous TGF- $\beta$ 2 signaling suppresses maturation of osteoblastic mesenchymal cells. <i>EMBO Journal</i> , 2004, 23, 552-563.	3.5	311
119	Transcriptional regulation of BMP4 synexpression in transgenic <i>Xenopus</i> . <i>EMBO Journal</i> , 2004, 23, 844-856.	3.5	148
120	TGF- $\beta$ 2-activated Smad3 represses MEF2-dependent transcription in myogenic differentiation. <i>EMBO Journal</i> , 2004, 23, 1557-1566.	3.5	129
121	Nicalin and its binding partner Nomo are novel Nodal signaling antagonists. <i>EMBO Journal</i> , 2004, 23, 3041-3050.	3.5	57
122	BMP-2 decreases Mash1 stability by increasing Id1 expression. <i>EMBO Journal</i> , 2004, 23, 3527-3537.	3.5	97
123	Endoglin promotes endothelial cell proliferation and TGF- $\beta$ 2/ALK1 signal transduction. <i>EMBO Journal</i> , 2004, 23, 4018-4028.	3.5	592
124	Coordinate regulation of cell growth and differentiation by TGF- $\beta$ 2 superfamily and Runx proteins. <i>Oncogene</i> , 2004, 23, 4232-4237.	2.6	153
125	Loss of chromosome 18q and DPC4 (Smad4) mutations in appendiceal adenocarcinomas. <i>Oncogene</i> , 2004, 23, 859-864.	2.6	26
126	Regulation of the TGF- $\beta$ 2 signalling pathway by ubiquitin-mediated degradation. <i>Oncogene</i> , 2004, 23, 2071-2078.	2.6	249
127	c-Ski inhibits the TGF- $\beta$ 2 signaling pathway through stabilization of inactive Smad complexes on Smad-binding elements. <i>Oncogene</i> , 2004, 23, 5068-5076.	2.6	114
128	Melanoma cells secrete follistatin, an antagonist of activin-mediated growth inhibition. <i>Oncogene</i> , 2004, 23, 5330-5339.	2.6	38
129	Molecular recognition of BMP-2 and BMP receptor IA. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 481-488.	3.6	193
130	Smad3 is required for dedifferentiation of retinal pigment epithelium following retinal detachment in mice. <i>Laboratory Investigation</i> , 2004, 84, 1245-1258.	1.7	140



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131	G1 cell-cycle control and cancer. <i>Nature</i> , 2004, 432, 298-306.	13.7	1,082
132	Soluble, insoluble and geometric signals sculpt the architecture of mineralized tissues. <i>Journal of Cellular and Molecular Medicine</i> , 2004, 8, 169-180.	1.6	83
133	Expression of genes in the TGF- $\beta$ 2 signaling pathway is significantly deregulated in smooth muscle cells from aorta of aryl hydrocarbon receptor knockout mice. <i>Toxicology and Applied Pharmacology</i> , 2004, 194, 79-89.	1.3	93
134	Lateral signaling enhances TGF- $\beta$ 2 response complexity. <i>Trends in Cell Biology</i> , 2004, 14, 107-111.	3.6	67
135	New insights into TGF- $\beta$ 2 Smad signalling. <i>Trends in Biochemical Sciences</i> , 2004, 29, 265-273.	3.7	1,097
136	E2F target genes: unraveling the biology. <i>Trends in Biochemical Sciences</i> , 2004, 29, 409-417.	3.7	497
137	Tegumental expression of a novel type II receptor serine/threonine kinase (SmRK2) in <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 2004, 136, 149-156.	0.5	44
138	BMP signaling in the control of skin development and hair follicle growth. <i>Differentiation</i> , 2004, 72, 512-526.	1.0	173
139	Smad Affinity Can Direct Distinct Readouts of the Embryonic Extracellular Dpp Gradient in <i>Drosophila</i> . <i>Current Biology</i> , 2004, 14, 1550-1558.	1.8	49
140	Induction of tenascin-C by cyclic tensile strain versus growth factors: distinct contributions by Rho/ROCK and MAPK signaling pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1693, 193-204.	1.9	66
141	Signaling cross-talk between TGF- $\beta$ 1 and ECM signals in chondrocytic cells. <i>Cellular Signalling</i> , 2004, 16, 1133-1140.	1.7	43
142	Comparison of TGF- $\beta$ 2/BMP Pathways Signaled by Demineralized Bone Powder and BMP-2 in Human Dermal Fibroblasts. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1732-1741.	3.1	32
143	The role of epithelial-to-mesenchymal transition in renal fibrosis. <i>Journal of Molecular Medicine</i> , 2004, 82, 175-181.	1.7	436
144	Regulation of bone morphogenetic proteins in early embryonic development. <i>Die Naturwissenschaften</i> , 2004, 91, 519-534.	0.6	63
145	Transforming growth factor $\beta$ 1 is not involved in 2,3,7,8-tetrachlorodibenzo-p-dioxin-dependent release from contact-inhibition in WB-F344 cells. <i>Archives of Toxicology</i> , 2004, 78, 643-648.	1.9	2
146	Pathological situations characterized by altered actin isoform expression. <i>Journal of Pathology</i> , 2004, 204, 386-395.	2.1	115
147	1 $\alpha$ ,25-dihydroxyvitamin D3 induced growth inhibition of PC-3 prostate cancer cells requires an active transforming growth factor beta signaling pathway. <i>Prostate</i> , 2004, 59, 282-291.	1.2	23
148	PhosphoSite: A bioinformatics resource dedicated to physiological protein phosphorylation. <i>Proteomics</i> , 2004, 4, 1551-1561.	1.3	512

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149	MAB21L2, a vertebrate member of the Male-abnormal 21 family, modulates BMP signaling and interacts with SMAD1. <i>BMC Cell Biology</i> , 2004, 5, 48.	3.0	40
150	Photocontrol of Smad2, a Multiphosphorylated Cell-Signaling Protein, through Caging of Activating Phosphoserines. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5800-5803.	7.2	78
151	Bone morphogenetic protein and transforming growth factor $\beta$ inhibitory Smads 6 and 7 are expressed in human adult normal and osteoarthritic cartilage in vivo and are differentially regulated in vitro by interleukin-1 $\beta$ . <i>Arthritis and Rheumatism</i> , 2004, 50, 3535-3540.	6.7	45
152	Fine tuning of growth factor signals depends on fibrillin microfibril networks. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2004, 72, 37-50.	3.6	111
154	Concomitant airway expression of granulocyte-macrophage colony-stimulating factor and decorin, a natural inhibitor of transforming growth factor- $\beta$ , breaks established inhalation tolerance. <i>European Journal of Immunology</i> , 2004, 34, 2375-2386.	1.6	9
155	Intact signaling by transforming growth factor $\beta$ is not required for termination of liver regeneration in mice. <i>Hepatology</i> , 2004, 40, 1098-1105.	3.6	111
156	Transcription factor HNF-6/OC-1 inhibits the stimulation of the HNF-3 $\beta$ /Foxa1 gene by TGF- $\beta$ in mouse liver. <i>Hepatology</i> , 2004, 40, 1266-1274.	3.6	43
157	The role of Fas ligand and transforming growth factor $\beta$ in tumor progression. <i>Cancer</i> , 2004, 100, 2281-2291.	2.0	121
158	Vertebrate crossveinless 2 is secreted and acts as an extracellular modulator of the BMP signaling cascade. <i>Developmental Dynamics</i> , 2004, 230, 434-445.	0.8	36
159	Unique and redundant roles of Smad3 in TGF- $\beta$ -mediated regulation of long bone development in organ culture. <i>Developmental Dynamics</i> , 2004, 230, 685-699.	0.8	33
160	Connective tissue growth factor expression and Smad signaling during mouse heart development and myocardial infarction. <i>Developmental Dynamics</i> , 2004, 231, 542-550.	0.8	95
161	An intronic variant of the TGFBR1 gene is associated with carcinomas of the kidney and bladder. <i>International Journal of Cancer</i> , 2004, 112, 420-425.	2.3	42
162	Transforming growth factor beta stimulation of biglycan gene expression is potentially mediated by sp1 binding factors. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 463-475.	1.2	25
163	Bone morphogenetic proteins in vertebrate hematopoietic development. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 224-232.	1.2	34
164	Emerging roles for bone morphogenetic proteins in central nervous system glial biology. <i>Journal of Neuroscience Research</i> , 2004, 76, 1-8.	1.3	64
166	Regulation and role of transforming growth factor- $\beta$ in immune tolerance induction and inflammation. <i>Current Opinion in Immunology</i> , 2004, 16, 709-716.	2.4	120
167	Analysis of Smad nucleocytoplasmic shuttling in living cells. <i>Journal of Cell Science</i> , 2004, 117, 4113-4125.	1.2	118
168	Semisynthesis of Phosphovariants of Smad2 Reveals a Substrate Preference of the Activated T $\beta$ RI Kinase. <i>Biochemistry</i> , 2004, 43, 5698-5706.	1.2	38

#	ARTICLE	IF	CITATIONS
169	CAVEOLAE ARE NEGATIVE REGULATORS OF TRANSFORMING GROWTH FACTOR- $\beta$ 1 SIGNALING IN URETERAL SMOOTH MUSCLE CELLS. <i>Journal of Urology</i> , 2004, 172, 2451-2455.	0.2	21
170	Cutting Edge: TGF- $\beta$ 2 Induces a Regulatory Phenotype in CD4+CD25 <sup>hi</sup> T Cells through Foxp3 Induction and Down-Regulation of Smad7. <i>Journal of Immunology</i> , 2004, 172, 5149-5153.	0.4	1,060
171	Cellular and molecular pathobiology of pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , 2004, 43, S13-S24.	1.2	1,322
172	Role of TGF- $\beta$ 2 in the human hair cycle. <i>Journal of Dermatological Science</i> , 2004, 35, 9-18.	1.0	184
173	SIGNALING PATHWAYS IN INTESTINAL DEVELOPMENT AND CANCER. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 695-723.	4.0	453
174	Modelling neuroinflammatory phenotypes in vivo. <i>Journal of Neuroinflammation</i> , 2004, 1, 10.	3.1	66
176	Combinatorial activities of Smad2 and Smad3 regulate mesoderm formation and patterning in the mouse embryo. <i>Development (Cambridge)</i> , 2004, 131, 1717-1728.	1.2	162
177	DORSAL-VENTRAL PATTERNING AND NEURAL INDUCTION IN XENOPUS EMBRYOS. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 285-308.	4.0	622
178	B-Type Natriuretic Peptide Exerts Broad Functional Opposition to Transforming Growth Factor- $\beta$ 2 in Primary Human Cardiac Fibroblasts. <i>Circulation Research</i> , 2004, 94, 453-461.	2.0	265
179	Investigation of three new mouse mammary tumor cell lines as models for transforming growth factor (TGF)- $\beta$ 2 and Neu pathway signaling studies: identification of a novel model for TGF- $\beta$ 2-induced epithelial-to-mesenchymal transition. <i>Breast Cancer Research</i> , 2004, 6, R514-30.	2.2	18
180	Activation of the Erk Pathway Is Required for TGF- $\beta$ 1-Induced EMT In Vitro. <i>Neoplasia</i> , 2004, 6, 603-610.	2.3	450
181	A Simple Molecular Complex Mediates Widespread BMP-Induced Repression during Drosophila Development. <i>Developmental Cell</i> , 2004, 7, 229-240.	3.1	124
182	Sequential transfer of left-right information during vertebrate embryo development. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 575-581.	1.5	43
183	Convergence of p53 and TGF-beta signaling networks. <i>Cancer Letters</i> , 2004, 213, 129-138.	3.2	66
184	Proteomics-based identification of proteins interacting with Smad3: SREBP-2 forms a complex with Smad3 and inhibits its transcriptional activity. <i>FEBS Letters</i> , 2004, 577, 93-100.	1.3	72
185	Cirrhotic hepatocytes exhibit decreased TGF $\beta$ 2 growth inhibition associated with downregulated Smad protein expression. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 546-551.	1.0	5
186	P311 binds to the latency associated protein and downregulates the expression of TGF- $\beta$ 1 and TGF- $\beta$ 2. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 1104-1109.	1.0	42
187	Transcriptional regulation of the TGF- $\beta$ 2 pseudoreceptor BAMBI by TGF- $\beta$ 2 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 680-684.	1.0	99

#	ARTICLE	IF	CITATIONS
188	Glypican-1 antisense transfection modulates TGF- $\beta$ 2-dependent signaling in Colo-357 pancreatic cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 1148-1155.	1.0	55
189	Functional interaction between Smad, CREB binding protein, and p68 RNA helicase. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 70-76.	1.0	75
190	Transforming growth factor- $\beta$ 2 induces the expression of ANF and hypertrophic growth in cultured cardiomyoblast cells through ZAK. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 424-431.	1.0	33
191	Organogenesis of the exocrine gland. <i>Developmental Biology</i> , 2004, 273, 1-22.	0.9	31
192	Conditional deletion of the TGF- $\beta$ 2 type II receptor in Col2a expressing cells results in defects in the axial skeleton without alterations in chondrocyte differentiation or embryonic development of long bones. <i>Developmental Biology</i> , 2004, 276, 124-142.	0.9	141
193	Overexpression of human transforming growth factor- $\beta$ 1 using a recombinant CHO cell expression system. <i>Protein Expression and Purification</i> , 2004, 37, 265-272.	0.6	42
194	Comparative analysis of transcriptional profiles between two apoptotic pathways of light-induced retinal degeneration. <i>Neuroscience</i> , 2004, 129, 779-790.	1.1	23
195	Smad7 in TGF- $\beta$ 2-mediated negative regulation of gut inflammation. <i>Trends in Immunology</i> , 2004, 25, 513-517.	2.9	133
196	JNK Regulates Expression and Autocrine Signaling of TGF- $\beta$ 1. <i>Molecular Cell</i> , 2004, 15, 170-171.	4.5	16
197	A Flexible Activin Explains the Membrane-Dependent Cooperative Assembly of TGF- $\beta$ Family Receptors. <i>Molecular Cell</i> , 2004, 15, 485-489.	4.5	120
198	Itch E3 Ligase-Mediated Regulation of TGF- $\beta$ 2 Signaling by Modulating Smad2 Phosphorylation. <i>Molecular Cell</i> , 2004, 15, 825-831.	4.5	111
199	Lysophosphatidic acid inhibits TGF- $\beta$ 2-mediated stimulation of type I collagen mRNA stability via an ERK-dependent pathway in dermal fibroblasts. <i>Matrix Biology</i> , 2004, 23, 353-361.	1.5	26
200	Retrograde Regulation in the CNS. <i>Neuron</i> , 2004, 41, 845-848.	3.8	54
201	FoxO. <i>Molecular Cell</i> , 2004, 14, 416-418.	4.5	101
202	Smad5: signaling roles in hematopoiesis and osteogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 766-770.	1.2	14
203	Principles of Tumor Suppression. <i>Cell</i> , 2004, 116, 235-246.	13.5	850
204	Integration of Smad and Forkhead Pathways in the Control of Neuroepithelial and Glioblastoma Cell Proliferation. <i>Cell</i> , 2004, 117, 211-223.	13.5	903
205	Autocrine/paracrine regulation of pituitary function by activin, inhibin and follistatin. <i>Molecular and Cellular Endocrinology</i> , 2004, 225, 29-36.	1.6	144

#	ARTICLE	IF	CITATIONS
206	Heart Valve Development. <i>Circulation Research</i> , 2004, 95, 459-470.	2.0	575
207	Extracellular control of pancreatic differentiation. <i>Seminars in Pediatric Surgery</i> , 2004, 13, 25-36.	0.5	1
208	Recent advances in fibroblast signaling and biology in scleroderma. <i>Current Opinion in Rheumatology</i> , 2004, 16, 739-745.	2.0	65
209	A Novel E1A-like Inhibitor of Differentiation (EID) Family Member, EID-2, Suppresses Transforming Growth Factor (TGF)- $\beta$ 2 Signaling by Blocking TGF- $\beta$ 2-induced Formation of Smad3-Smad4 Complexes. <i>Journal of Biological Chemistry</i> , 2004, 279, 2666-2672.	1.6	27
210	TGF- $\beta$ 2 Signal Transduction in Oro-facial Health and Non-malignant Disease (Part I). <i>Critical Reviews in Oral Biology and Medicine</i> , 2004, 15, 324-336.	4.4	54
212	Hepatocyte growth factor in kidney fibrosis: therapeutic potential and mechanisms of action. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F7-F16.	1.3	234
213	Transforming Growth Factor- $\beta$ 2 Induces Endothelin-1 Expression Through Activation of the Smad Signaling Pathway. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 44, S39-S42.	0.8	32
214	Hypertensive nephrosclerosis: update. <i>Current Opinion in Nephrology and Hypertension</i> , 2004, 13, 147-154.	1.0	16
215	IGFBP-3 activates TGF- $\beta$ 2 receptors and directly inhibits growth in human intestinal smooth muscle cells. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G795-G802.	1.6	45
216	Abnormal mouse lung alveolarization caused by Smad3 deficiency is a developmental antecedent of centrilobular emphysema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 288, L683-L691.	1.3	127
217	Gene Expression Profiling in the Rat Cranial Suture. <i>Journal of Craniofacial Surgery</i> , 2005, 16, 378-388.	0.3	3
218	Transforming growth factor- $\beta$ 2 in critical illness. <i>Critical Care Medicine</i> , 2005, 33, S478-S481.	0.4	6
219	Differential and Synergistic Effects of Platelet-derived Growth Factor-BB and Transforming Growth Factor- $\beta$ 1 on Activated Pancreatic Stellate Cells. <i>Pancreas</i> , 2005, 31, 156-167.	0.5	44
220	IL-10 Gene-Deficient Mice Lack TGF- $\beta$ 2/Smad Signaling and Fail to Inhibit Proinflammatory Gene Expression in Intestinal Epithelial Cells after the Colonization with Colitogenic <i>Enterococcus faecalis</i> . <i>Journal of Immunology</i> , 2005, 174, 2990-2999.	0.4	115
221	Improved Success of Myoblast Transplantation in mdx Mice by Blocking the Myostatin Signal. <i>Transplantation</i> , 2005, 79, 1696-1702.	0.5	39
224	Group 13 HOX proteins interact with the MH2 domain of R-Smads and modulate Smad transcriptional activation functions independent of HOX DNA-binding capability. <i>Nucleic Acids Research</i> , 2005, 33, 4475-4484.	6.5	49
225	Linking Smads and transcriptional activation. <i>Biochemical Journal</i> , 2005, 386, e1-e3.	1.7	25
227	The Smad3 linker region contains a transcriptional activation domain. <i>Biochemical Journal</i> , 2005, 386, 29-34.	1.7	47

#	ARTICLE	IF	CITATIONS
228	Functional Specificity of Artificial Transcriptional Activators. <i>Chemistry and Biology</i> , 2005, 12, 313-321.	6.2	14
229	Fibrodysplasia Ossificans Progressiva (FOP), a Disorder of Ectopic Osteogenesis, Misregulates Cell Surface Expression and Trafficking of BMPRIA. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1168-1176.	3.1	103
230	Smad3-Deficient Chondrocytes Have Enhanced BMP Signaling and Accelerated Differentiation. <i>Journal of Bone and Mineral Research</i> , 2005, 21, 4-16.	3.1	121
231	Dysregulation of BMP4 Receptor Trafficking and Signaling in Fibrodysplasia Ossificans Progressiva. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2005, 3, 217-224.	1.3	8
232	Transcriptome Profiling of Human and Murine ESCs Identifies Divergent Paths Required to Maintain the Stem Cell State. <i>Stem Cells</i> , 2005, 23, 166-185.	1.4	203
233	Activation of Transforming Growth Factor- $\beta$ 1/p38/Smad3 Signaling in Stromal Cells Requires Reactive Oxygen Species-Mediated MMP-2 Activity During Bone Marrow Damage. <i>Stem Cells</i> , 2005, 23, 1122-1134.	1.4	27
234	4-Hydroxynonenal and TGF- $\beta$ 1 concur in inducing antiproliferative effects on the Caco-2 human colon adenocarcinoma cell line. <i>BioFactors</i> , 2005, 24, 237-246.	2.6	18
235	Interaction of Arabidopsis BRASSINOSTEROID-INSENSITIVE 1 receptor kinase with a homolog of mammalian TGF- $\beta$ 2 receptor interacting protein. <i>Plant Journal</i> , 2005, 43, 251-261.	2.8	69
236	Inhibition of protein synthesis and activation of stress-activated protein kinases by onnamide A and theopederin B, antitumor marine natural products. <i>Cancer Science</i> , 2005, 96, 357-364.	1.7	56
237	The ALK-5 inhibitor A-83-01 inhibits Smad signaling and epithelial-to-mesenchymal transition by transforming growth factor-beta. <i>Cancer Science</i> , 2005, 96, 791-800.	1.7	291
238	Bone morphogenetic protein signalling and vertebrate nervous system development. <i>Nature Reviews Neuroscience</i> , 2005, 6, 945-954.	4.9	285
239	Restoration of TGF- $\beta$ 2 signalling reduces tumorigenicity in human lung cancer cells. <i>British Journal of Cancer</i> , 2005, 93, 1157-1167.	2.9	61
240	Inhibition of TGF- $\beta$ 2 signaling by an ALK5 inhibitor protects rats from dimethylnitrosamine-induced liver fibrosis. <i>British Journal of Pharmacology</i> , 2005, 145, 166-177.	2.7	144
241	Inducing and expanding regulatory T cell populations by foreign antigen. <i>Nature Immunology</i> , 2005, 6, 1219-1227.	7.0	1,117
242	Setting a trap for tissue fibrosis. <i>Nature Medicine</i> , 2005, 11, 373-374.	15.2	50
243	Kielin/chordin-like protein, a novel enhancer of BMP signaling, attenuates renal fibrotic disease. <i>Nature Medicine</i> , 2005, 11, 387-393.	15.2	178
244	Hyperactivation of Stat3 in gp130 mutant mice promotes gastric hyperproliferation and desensitizes TGF- $\beta$ 2 signaling. <i>Nature Medicine</i> , 2005, 11, 845-852.	15.2	284
245	Immunity by ubiquitylation: a reversible process of modification. <i>Nature Reviews Immunology</i> , 2005, 5, 941-952.	10.6	224

#	ARTICLE	IF	CITATIONS
246	The G protein-coupled receptor kinase-2 is a TGF $\beta$ <sup>2</sup> -inducible antagonist of TGF $\beta$ <sup>2</sup> signal transduction. <i>EMBO Journal</i> , 2005, 24, 3247-3258.	3.5	86
247	The steroid receptor co-activator-1 (SRC-1) potentiates TGF- $\beta$ <sup>2</sup> /Smad signaling: role of p300/CBP. <i>Oncogene</i> , 2005, 24, 1936-1945.	2.6	22
248	A complex pattern of mutations and abnormal splicing of Smad4 is present in thyroid tumours. <i>Oncogene</i> , 2005, 24, 5344-5354.	2.6	47
249	Role of type I receptors for anti-M $\beta$ 1/4lllerian hormone in the SMAT-1 Sertoli cell line. <i>Oncogene</i> , 2005, 24, 4984-4992.	2.6	43
250	Hepatitis C virus core variants isolated from liver tumor but not from adjacent non-tumor tissue interact with Smad3 and inhibit the TGF- $\beta$ <sup>2</sup> pathway. <i>Oncogene</i> , 2005, 24, 6119-6132.	2.6	81
251	RAS and TGF- $\beta$ <sup>2</sup> exert antagonistic effects on extracellular matrix gene expression and fibroblast transformation. <i>Oncogene</i> , 2005, 24, 7043-7054.	2.6	16
252	Stable overexpression of Smad7 in human melanoma cells inhibits their tumorigenicity in vitro and in vivo. <i>Oncogene</i> , 2005, 24, 7624-7629.	2.6	100
253	The role of Smad signaling in hematopoiesis. <i>Oncogene</i> , 2005, 24, 5676-5692.	2.6	146
254	Autocrine transforming growth factor- $\beta$ <sup>2</sup> regulation of hematopoiesis: many outcomes that depend on the context. <i>Oncogene</i> , 2005, 24, 5751-5763.	2.6	102
255	TGF- $\beta$ <sup>2</sup> signaling in T cells: roles in lymphoid and epithelial neoplasia. <i>Oncogene</i> , 2005, 24, 5701-5712.	2.6	77
256	Deregulated TGF- $\beta$ <sup>2</sup> signaling in leukemogenesis. <i>Oncogene</i> , 2005, 24, 5693-5700.	2.6	50
257	The role of TGF- $\beta$ <sup>2</sup> and Wnt signaling in gastrointestinal stem cells and cancer. <i>Oncogene</i> , 2005, 24, 5775-5789.	2.6	153
258	Crosstalk mechanisms between the mitogen-activated protein kinase pathways and Smad signaling downstream of TGF- $\beta$ <sup>2</sup> : implications for carcinogenesis. <i>Oncogene</i> , 2005, 24, 5742-5750.	2.6	373
259	The deubiquitinating enzyme UCH37 interacts with Smads and regulates TGF- $\beta$ <sup>2</sup> signalling. <i>Oncogene</i> , 2005, 24, 8080-8084.	2.6	164
260	Deregulation of cell-signaling pathways in HTLV-1 infection. <i>Oncogene</i> , 2005, 24, 5965-5975.	2.6	99
261	Recent lessons in gene expression, cell cycle control, and cell biology from adenovirus. <i>Oncogene</i> , 2005, 24, 7673-7685.	2.6	324
262	Anti-TGF- $\beta$ Strategies for the Treatment of Chronic Liver Disease. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 121S-131S.	1.4	108
263	Inhibition of p38MAP kinase suppresses fibrotic reaction of retinal pigment epithelial cells. <i>Laboratory Investigation</i> , 2005, 85, 838-850.	1.7	65

#	ARTICLE	IF	CITATIONS
264	Understanding heart development and congenital heart defects through developmental biology: A segmental approach. <i>Congenital Anomalies (discontinued)</i> , 2005, 45, 107-118.	0.3	29
265	Functions of the superfamily in human embryonic stem cells. <i>Apmis</i> , 2005, 113, 773-789.	0.9	62
266	Topical Application of a Peptide Inhibitor of Transforming Growth Factor- $\beta$ 1 Ameliorates Bleomycin-Induced Skin Fibrosis. <i>Journal of Investigative Dermatology</i> , 2005, 125, 450-455.	0.3	149
267	Turning down the system: counter-regulatory mechanisms in bone and adaptive immunity. <i>Immunological Reviews</i> , 2005, 208, 66-79.	2.8	11
268	The role of T lymphocytes in bone metabolism. <i>Immunological Reviews</i> , 2005, 208, 154-168.	2.8	165
269	Current View of the Role of Transforming Growth Factor $\beta$ 1 in Skin Carcinogenesis. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2005, 10, 110-117.	0.8	17
270	Truncating mutations in the ACVR2 gene attenuates activin signaling in prostate cancer cells. <i>Cancer Genetics and Cytogenetics</i> , 2005, 163, 123-129.	1.0	27
271	TGF- $\beta$ 2 directly targets cytotoxic T cell functions during tumor evasion of immune surveillance. <i>Cancer Cell</i> , 2005, 8, 369-380.	7.7	1,057
272	Regulation of GDF-8 signaling by the p38 MAPK. <i>Cellular Signalling</i> , 2005, 17, 365-375.	1.7	124
273	Requirement of km23 for TGF $\beta$ 2-mediated growth inhibition and induction of fibronectin expression. <i>Cellular Signalling</i> , 2005, 17, 1363-1372.	1.7	20
274	Cyclooxygenase-2 and prostaglandin signaling in cholangiocarcinoma. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2005, 1755, 135-150.	3.3	38
275	Ah receptor signals cross-talk with multiple developmental pathways. <i>Biochemical Pharmacology</i> , 2005, 69, 199-207.	2.0	158
276	Oncogenic Ras blocks transforming growth factor- $\beta$ 2-induced cell-cycle arrest by degradation of p27 through a MEK/Erk/SKP2-dependent pathway. <i>Experimental Hematology</i> , 2005, 33, 747-757.	0.2	15
277	TGF- $\beta$ 1 inhibits late-stage mast cell maturation. <i>Experimental Hematology</i> , 2005, 33, 1281-1291.	0.2	33
278	Disruption of the TGF- $\beta$ 2 pathway and modeling human cancer in mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 576, 120-131.	0.4	9
279	Brassinosteroid signaling: from receptor kinases to transcription factors. <i>Current Opinion in Plant Biology</i> , 2005, 8, 526-531.	3.5	50
280	Signalling pathways regulating the invasive differentiation of human trophoblasts: a review. <i>Placenta</i> , 2005, 26, S21-S30.	0.7	175
281	Gene and protein expression of Transforming growth factor $\beta$ 2 gene during murine primary palatogenesis. <i>Differentiation</i> , 2005, 73, 233-239.	1.0	10



#	ARTICLE	IF	CITATIONS
282	Cloning of Smad2, Smad3, Smad4, and Smad7 from the goldfish pituitary and evidence for their involvement in activin regulation of goldfish FSH $\beta$ promoter activity. <i>General and Comparative Endocrinology</i> , 2005, 141, 22-38.	0.8	34
283	Transforming growth factor $\beta$ 2 receptor I polyalanine repeat polymorphism does not increase ovarian cancer risk. <i>Gynecologic Oncology</i> , 2005, 97, 543-549.	0.6	17
284	Morphogens in motion: Growth control of the neural tube. <i>Journal of Neurobiology</i> , 2005, 64, 376-387.	3.7	50
285	Serine/threonine/tyrosine phosphorylation of the LHX3 LIM-homeodomain transcription factor. <i>Journal of Cellular Biochemistry</i> , 2005, 94, 67-80.	1.2	9
286	Nicotine inhibits myofibroblast differentiation in human gingival fibroblasts. <i>Journal of Cellular Biochemistry</i> , 2005, 95, 1108-1119.	1.2	31
287	Location, location, location: The role of cyclin D1 nuclear localization in cancer. <i>Journal of Cellular Biochemistry</i> , 2005, 96, 906-913.	1.2	124
288	Inner nuclear membrane and signal transduction. <i>Journal of Cellular Biochemistry</i> , 2005, 96, 1185-1192.	1.2	5
289	TGF- $\beta$ -induced expression of tissue inhibitor of metalloproteinases-3 gene in chondrocytes is mediated by extracellular signal-regulated kinase pathway and Sp1 transcription factor. <i>Journal of Cellular Physiology</i> , 2005, 203, 345-352.	2.0	79
290	Smad function and intranuclear targeting share a Runx2 motif required for osteogenic lineage induction and BMP2 responsive transcription. <i>Journal of Cellular Physiology</i> , 2005, 204, 63-72.	2.0	142
291	Smad pathway-specific transcriptional regulation of the cell cycle inhibitor p21WAF1/Cip1. <i>Journal of Cellular Physiology</i> , 2005, 204, 260-272.	2.0	102
292	Interaction and functional interplay between endoglin and ALK-1, two components of the endothelial transforming growth factor- $\beta$ 2 receptor complex. <i>Journal of Cellular Physiology</i> , 2005, 204, 574-584.	2.0	193
293	Involvement of microtubules and Rho pathway in TGF- $\beta$ 1-induced lung vascular barrier dysfunction. <i>Journal of Cellular Physiology</i> , 2005, 204, 934-947.	2.0	107
294	Induction of TGF- $\beta$ 1 in the trabecular meshwork under cyclic mechanical stress. <i>Journal of Cellular Physiology</i> , 2005, 205, 364-371.	2.0	58
295	Hepatic manifestation is associated with ALK1 in hereditary hemorrhagic telangiectasia: Identification of five novel ALK1 and one novel ENG mutations. <i>Human Mutation</i> , 2005, 25, 320-320.	1.1	33
296	Xenopus DNA microarray approach to identify novel direct BMP target genes involved in early embryonic development. <i>Developmental Dynamics</i> , 2005, 232, 445-456.	0.8	24
297	Microarray analysis of gene expression during epithelial-mesenchymal transformation. <i>Developmental Dynamics</i> , 2005, 234, 132-142.	0.8	79
298	Xnr2 and Xnr5 unprocessed proteins inhibit Wnt signaling upstream of dishevelled. <i>Developmental Dynamics</i> , 2005, 234, 900-910.	0.8	15
299	Regulated nucleocytoplasmic transport in spermatogenesis: a driver of cellular differentiation?. <i>BioEssays</i> , 2005, 27, 1011-1025.	1.2	50

#	ARTICLE	IF	CITATIONS
300	Fibroblast expression of the coactivator p300 governs the intensity of profibrotic response to transforming growth factor $\beta$ . <i>Arthritis and Rheumatism</i> , 2005, 52, 1248-1258.	6.7	83
301	Abrogation of Transforming Growth Factor- $\beta$ Signaling in Pancreatic Cancer. <i>World Journal of Surgery</i> , 2005, 29, 312-316.	0.8	11
302	BMP Signaling in Osteogenesis, Bone Remodeling and Repair. <i>European Journal of Trauma and Emergency Surgery</i> , 2005, 31, 464-479.	0.3	16
303	Transforming growth factor- $\beta$ 1 is not involved in TCDD-dependent release from contact inhibition in WB-F344 cells. <i>Archives of Toxicology</i> , 2005, 79, 31-36.	1.9	4
304	TGF $\beta$ 2 inhibits IL-1 $\alpha$ -induced iNOS expression and NO production in immortalized chondrocytes. <i>Inflammation Research</i> , 2005, 54, 420-427.	1.6	26
305	Culture development for human embryonic stem cell propagation: molecular aspects and challenges. <i>Current Opinion in Biotechnology</i> , 2005, 16, 568-576.	3.3	76
306	Conservation of novel Mahya genes shows the existence of neural functions common between Hymenoptera and Deuterostome. <i>Development Genes and Evolution</i> , 2005, 215, 564-574.	0.4	8
307	TGF $\beta$ 2 superfamily members in spermatogenesis: setting the stage for fertility in mouse and Drosophila. <i>Cell and Tissue Research</i> , 2005, 322, 141-146.	1.5	24
308	Transcriptional program of bone morphogenetic protein-2-induced epithelial and smooth muscle differentiation of pluripotent human embryonal carcinoma cells. <i>Functional and Integrative Genomics</i> , 2005, 5, 59-69.	1.4	20
309	The molecular mechanism of embryonic stem cell pluripotency maintenance. <i>Science Bulletin</i> , 2005, 50, 2121-2131.	1.7	1
310	SKI pathways inducing progression of human melanoma. <i>Cancer and Metastasis Reviews</i> , 2005, 24, 265-272.	2.7	58
311	Restoration of Smad4 in BxPC3 Pancreatic Cancer Cells Attenuates Proliferation without Altering Angiogenesis. <i>Clinical and Experimental Metastasis</i> , 2005, 22, 461-473.	1.7	34
312	Differential proteome analysis of conditioned media to detect Smad4 regulated secreted biomarkers in colon cancer. <i>Proteomics</i> , 2005, 5, 2587-2601.	1.3	86
313	Transforming growth factor $\beta$ -receptor signaling in cancer. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1135.	3.0	23
314	Alkohol und Leber. , 2005, , 230-274.		0
315	An Integrative Model for Representation of Signaling Pathways on the Basis of Device Ontology. <i>Transactions of the Japanese Society for Artificial Intelligence</i> , 2005, 20, 406-416.	0.1	0
316	TGF- $\beta$ signaling in chondrocytes. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 681.	3.0	110
317	Cell Fate and Polarity. , 2005, , 305-329.		0

#	ARTICLE	IF	CITATIONS
319	Studies of Transforming Growth Factors Beta 1-3 and their Receptors I and II in Fibroblast of Keloids and Hypertrophic Scars. <i>Acta Dermato-Venereologica</i> , 2005, -1, 1-1.	0.6	43
320	Effect of Smad7 Expression on Metastasis of Mouse Mammary Carcinoma JygMC(A) Cells. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1734-1746.	3.0	110
321	Cellular and Molecular Pathways that Lead to Progression and Regression of Renal Fibrogenesis. <i>Current Molecular Medicine</i> , 2005, 5, 467-474.	0.6	69
322	Repulsive Guidance Molecule (RGMa), a DRAGON Homologue, Is a Bone Morphogenetic Protein Co-receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 29820-29827.	1.6	168
323	Regulation of TGF- $\beta$ 1-induced connective tissue growth factor expression in airway smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 288, L68-L76.	1.3	96
324	Steroidogenic Factor 1 Gene Transcription is Inhibited by Transforming Growth Factor $\beta$ 2. <i>Endocrine Research</i> , 2005, 31, 71-79.	0.6	14
325	SMP-534 inhibits TGF- $\beta$ 2-induced ECM production in fibroblast cells and reduces mesangial matrix accumulation in experimental glomerulonephritis. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F998-F1004.	1.3	23
326	Blood outgrowth endothelial cells from Hereditary Haemorrhagic Telangiectasia patients reveal abnormalities compatible with vascular lesions. <i>Cardiovascular Research</i> , 2005, 68, 235-248.	1.8	92
327	Small Molecule TGF-beta Mimetics as Potential Neuroprotective Factors. <i>Current Alzheimer Research</i> , 2005, 2, 183-186.	0.7	15
328	The molecular mechanism of embryonic stem cell pluripotency maintenance. <i>Science Bulletin</i> , 2005, 50, 2121.	1.7	1
329	Signaling Processes in Tumoral Neuroendocrine Pituitary Cells as Potential Targets for Therapeutic Drugs. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2005, 5, 259-267.	1.8	9
330	Bone Morphogenetic Protein Signaling Modulates Myocardin Transactivation of Cardiac Genes. <i>Circulation Research</i> , 2005, 97, 992-1000.	2.0	47
331	TGF- $\beta$ 2 and Vitamin D3 Utilize Distinct Pathways to Suppress IL-12 Production and Modulate Rapid Differentiation of Human Monocytes into CD83+ Dendritic Cells. <i>Journal of Immunology</i> , 2005, 174, 2061-2070.	0.4	101
332	Cytoplasmic SnoN in normal tissues and nonmalignant cells antagonizes TGF- $\beta$ signaling by sequestration of the Smad proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12437-12442.	3.3	74
333	LIM-kinase 2 and Cofilin Phosphorylation Mediate Actin Cytoskeleton Reorganization Induced by Transforming Growth Factor- $\beta$ 2. <i>Journal of Biological Chemistry</i> , 2005, 280, 11448-11457.	1.6	162
334	Interplay between paracrine signaling and gap junctional communication in ovarian follicles. <i>Journal of Cell Science</i> , 2005, 118, 113-122.	1.2	85
335	Targeted Disruption of Tgif, the Mouse Ortholog of a Human Holoprosencephaly Gene, Does Not Result in Holoprosencephaly in Mice. <i>Molecular and Cellular Biology</i> , 2005, 25, 3639-3647.	1.1	68
336	Daxx Mediates the Small Ubiquitin-like Modifier-dependent Transcriptional Repression of Smad4. <i>Journal of Biological Chemistry</i> , 2005, 280, 10164-10173.	1.6	96

#	ARTICLE	IF	CITATIONS
337	Targeted Disruption of Smad4 in Mouse Epidermis Results in Failure of Hair Follicle Cycling and Formation of Skin Tumors. <i>Cancer Research</i> , 2005, 65, 8671-8678.	0.4	109
338	Mutations in Transforming Growth Factor- $\beta$ 2 Receptor Type II Cause Familial Thoracic Aortic Aneurysms and Dissections. <i>Circulation</i> , 2005, 112, 513-520.	1.6	335
339	Transforming Growth Factor- $\beta$ 2 Receptor Mutations and Pulmonary Arterial Hypertension in Childhood. <i>Circulation</i> , 2005, 111, 435-441.	1.6	222
340	Transforming Growth Factor- $\beta$ 1 Drives Airway Remodeling in Cigarette Smoke-Exposed Tracheal Explants. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 387-393.	1.4	94
341	Transforming Growth Factor $\beta$ 2 Facilitates $\beta$ 2-TrCP-Mediated Degradation of Cdc25A in a Smad3-Dependent Manner. <i>Molecular and Cellular Biology</i> , 2005, 25, 3338-3347.	1.1	54
342	Requirement for the SnoN Oncoprotein in Transforming Growth Factor $\beta$ 2-Induced Oncogenic Transformation of Fibroblast Cells. <i>Molecular and Cellular Biology</i> , 2005, 25, 10731-10744.	1.1	42
343	A Direct Intersection between p53 and Transforming Growth Factor $\beta$ 2 Pathways Targets Chromatin Modification and Transcription Repression of the $\beta$ -Fetoprotein Gene. <i>Molecular and Cellular Biology</i> , 2005, 25, 1200-1212.	1.1	74
344	Transforming Growth Factor- $\beta$ 2 Activation of Phosphatidylinositol 3-Kinase Is Independent of Smad2 and Smad3 and Regulates Fibroblast Responses via p21-Activated Kinase-2. <i>Cancer Research</i> , 2005, 65, 10431-10440.	0.4	183
345	Smad4 Dependency Defines Two Classes of Transforming Growth Factor $\beta$ 2 (TGF- $\beta$ 2) Target Genes and Distinguishes TGF- $\beta$ 2-Induced Epithelial-Mesenchymal Transition from Its Antiproliferative and Migratory Responses. <i>Molecular and Cellular Biology</i> , 2005, 25, 8108-8125.	1.1	307
347	The Balance between Acetylation and Deacetylation Controls Smad7 Stability. <i>Journal of Biological Chemistry</i> , 2005, 280, 21797-21803.	1.6	140
348	Identification of Endoglin in Rat Hepatic Stellate Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 3078-3087.	1.6	51
349	Crystal Structure of BMP-9 and Functional Interactions with Pro-region and Receptors. <i>Journal of Biological Chemistry</i> , 2005, 280, 25111-25118.	1.6	262
350	Self-Renewal and Cancer of the Gut: Two Sides of a Coin. <i>Science</i> , 2005, 307, 1904-1909.	6.0	642
351	Mice exclusively expressing the short isoform of Smad2 develop normally and are viable and fertile. <i>Genes and Development</i> , 2005, 19, 152-163.	2.7	104
352	Bone Morphogenetic Protein Receptor-2 and Pulmonary Arterial Hypertension. <i>Circulation Research</i> , 2005, 96, 1033-1035.	2.0	18
353	An Activin-A/C Chimera Exhibits Activin and Myostatin Antagonistic Properties. <i>Journal of Biological Chemistry</i> , 2005, 280, 36626-36632.	1.6	19
354	Transforming Growth Factor- $\beta$ 2 Suppresses Nonmetastatic Colon Cancer through Smad4 and Adaptor Protein ELF at an Early Stage of Tumorigenesis. <i>Cancer Research</i> , 2005, 65, 4228-4237.	0.4	88
355	Targeted Disruption of Smad4 in Cardiomyocytes Results in Cardiac Hypertrophy and Heart Failure. <i>Circulation Research</i> , 2005, 97, 821-828.	2.0	137

#	ARTICLE	IF	CITATIONS
356	C-terminal mutants of <i>C. elegans</i> Smads reveal tissue-specific requirements for protein activation by TGF- $\beta$ signaling. <i>Development (Cambridge)</i> , 2005, 132, 3505-3513.	1.2	15
357	A-type lamins are essential for TGF- $\beta$ 1 induced PP2A to dephosphorylate transcription factors. <i>Human Molecular Genetics</i> , 2005, 14, 2839-2849.	1.4	141
358	Non-Smad TGF- $\beta$ 2 signals. <i>Journal of Cell Science</i> , 2005, 118, 3573-3584.	1.2	976
359	SMAD pathway mediation of BDNF and TGF $\beta$ 2 regulation of proliferation and differentiation of hippocampal granule neurons. <i>Development (Cambridge)</i> , 2005, 132, 3231-3242.	1.2	89
360	Phosphoproteome Profiling of Transforming Growth Factor (TGF)- $\beta$ 2 Signaling: Abrogation of TGF $\beta$ 1-dependent Phosphorylation of Transcription Factor-II-I (TFII-I) Enhances Cooperation of TFII-I and Smad3 in Transcription. <i>Molecular Biology of the Cell</i> , 2005, 16, 4765-4780.	0.9	43
361	Interaction between Smad7 and $\beta$ -Catenin: Importance for Transforming Growth Factor $\beta$ -Induced Apoptosis. <i>Molecular and Cellular Biology</i> , 2005, 25, 1475-1488.	1.1	121
362	The Role of Internalization in Transforming Growth Factor $\beta$ 1-induced Smad2 Association with Smad Anchor for Receptor Activation (SARA) and Smad2-dependent Signaling in Human Mesangial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 8300-8308.	1.6	109
363	Activin A Suppresses Neuroblastoma Xenograft Tumor Growth via Antimitotic and Antiangiogenic Mechanisms. <i>Cancer Research</i> , 2005, 65, 1877-1886.	0.4	75
364	Blockade of the TGF- $\beta$ Superfamily by Smad7: Breaking a Link in the Metastatic Chain. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1714-1715.	3.0	9
365	Imatinib mesylate blocks a non-Smad TGF- $\beta$ pathway and reduces renal fibrogenesis in vivo. <i>FASEB Journal</i> , 2005, 19, 1-11.	0.2	339
366	TGF $\beta$ 2-Dependent Epithelial-Mesenchymal Transition. , 2005, , 236-244.		1
367	Transforming Growth Factor- $\beta$ 2. , 2005, 117, 69-80.		132
368	Current Insights on the Pathogenesis of Pulmonary Arterial Hypertension. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2005, 26, 355-364.	0.8	36
369	Gonadotropin-Induced Adrenocortical Neoplasia in NU/J Nude Mice. <i>Endocrinology</i> , 2005, 146, 3975-3984.	1.4	53
370	Renal Fibrosis. , 2005, 117, 45-68.		8
371	Allergen-induced peribronchial fibrosis and mucus production mediated by I $\kappa$ B kinase $\beta$ -dependent genes in airway epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17723-17728.	3.3	140
372	Smad-dependent Cooperative Regulation of Interleukin 2 Receptor $\beta$ Chain Gene Expression by T Cell Receptor and Transforming Growth Factor- $\beta$ 2. <i>Journal of Biological Chemistry</i> , 2005, 280, 34042-34047.	1.6	49
373	Adenoviral Gene Transfer Allows Smad-Responsive Gene Promoter Analyses and Delineation of Type I Receptor Usage of Transforming Growth Factor- $\beta$ 2 Family Ligands in Cultured Human Granulosa Luteal Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 271-278.	1.8	48

#	ARTICLE	IF	CITATIONS
374	Transforming Growth Factor- $\beta$ (TGF- $\beta$ ) and Programmed Cell Death in the Vertebrate Retina. <i>International Review of Cytology</i> , 2005, 245, 17-43.	6.2	19
375	The Amyloid- $\beta$ Peptide Suppresses Transforming Growth Factor- $\beta$ 1-induced Matrix Metalloproteinase-2 Production via Smad7 Expression in Human Monocytic THP-1 Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 7845-7853.	1.6	40
377	STAT module can function as a biphasic amplitude filter. <i>IET Systems Biology</i> , 2005, 2, 43-52.	2.0	7
378	Menin and TGF- $\beta$ Superfamily Member Signaling via the Smad Pathway in Pituitary, Parathyroid and Osteoblast. <i>Hormone and Metabolic Research</i> , 2005, 37, 375-379.	0.7	72
379	Smad3 Mediates Activin-Induced Transcription of Follicle-Stimulating Hormone $\beta$ -Subunit Gene. <i>Molecular Endocrinology</i> , 2005, 19, 1849-1858.	3.7	73
380	TGF- $\beta$ 1 Inhibits Mast Cell Fc $\gamma$ RI Expression. <i>Journal of Immunology</i> , 2005, 174, 5987-5993.	0.4	103
381	Role of Transforming Growth Factor Beta in Human Cancer. <i>Journal of Clinical Oncology</i> , 2005, 23, 2078-2093.	0.8	614
382	Gene Expression Profiling of Leiomyoma and Myometrial Smooth Muscle Cells in Response to Transforming Growth Factor- $\beta$ . <i>Endocrinology</i> , 2005, 146, 1097-1118.	1.4	96
384	TGF- $\beta$ 1 activates two distinct type I receptors in neurons. <i>Journal of Cell Biology</i> , 2005, 168, 1077-1086.	2.3	113
385	TGF- $\beta$ and the Smad Signaling Pathway Support Transcriptomic Reprogramming during Epithelial-Mesenchymal Cell Transition. <i>Molecular Biology of the Cell</i> , 2005, 16, 1987-2002.	0.9	530
386	Rise and Fall of Epithelial Phenotype. , 2005, , .		11
387	Bone morphogenetic protein (BMP) signaling controls hair pigmentation by means of cross-talk with the melanocortin receptor-1 pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 93-98.	3.3	68
388	2-Methoxyestradiol-induced Apoptosis in Prostate Cancer Cells Requires Smad7. <i>Journal of Biological Chemistry</i> , 2005, 280, 14773-14779.	1.6	32
389	Disabled-2 (Dab2) Mediates Transforming Growth Factor $\beta$ (TGF $\beta$ )-stimulated Fibronectin Synthesis through TGF $\beta$ -activated Kinase 1 and Activation of the JNK Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 25920-25927.	1.6	97
390	Pc2-mediated Sumoylation of Smad-interacting Protein 1 Attenuates Transcriptional Repression of E-cadherin. <i>Journal of Biological Chemistry</i> , 2005, 280, 35477-35489.	1.6	132
391	Endoglin Null Endothelial Cells Proliferate Faster and Are More Responsive to Transforming Growth Factor $\beta$ 1 with Higher Affinity Receptors and an Activated Alk1 Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 27800-27808.	1.6	118
392	Induction of Human T Cell Leukemia Virus Type I Receptors on Quiescent Naive T Lymphocytes by TGF- $\beta$ . <i>Journal of Immunology</i> , 2005, 174, 4262-4270.	0.4	39
393	Global Analysis of Smad2/3-Dependent TGF- $\beta$ Signaling in Living Mice Reveals Prominent Tissue-Specific Responses to Injury. <i>Journal of Immunology</i> , 2005, 175, 547-554.	0.4	103

#	ARTICLE	IF	CITATIONS
394	Mullerian Inhibiting Substance acts as a motor neuron survival factor in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16421-16425.	3.3	85
395	SnoN Is a Cell Type-specific Mediator of Transforming Growth Factor- $\beta^2$ Responses. Journal of Biological Chemistry, 2005, 280, 13037-13046.	1.6	66
396	Peak levels of BMP in the Drosophila embryo control target genes by a feed-forward mechanism. Development (Cambridge), 2005, 132, 1637-1647.	1.2	40
397	Structural Basis for a Functional Antagonist in the Transforming Growth Factor $\beta^2$ Superfamily. Journal of Biological Chemistry, 2005, 280, 40177-40186.	1.6	16
398	Ultraviolet Irradiation Induces Smad7 via Induction of Transcription Factor AP-1 in Human Skin Fibroblasts. Journal of Biological Chemistry, 2005, 280, 8079-8085.	1.6	82
399	Dysfunctional Smad Signaling Contributes to Abnormal Smooth Muscle Cell Proliferation in Familial Pulmonary Arterial Hypertension. Circulation Research, 2005, 96, 1053-1063.	2.0	319
400	Pathway- and Expression Level-Dependent Effects of Oncogenic N-Ras: p27Kip1 Mislocalization by the Ral-GEF Pathway and Erk-Mediated Interference with Smad Signaling. Molecular and Cellular Biology, 2005, 25, 8239-8250.	1.1	52
401	Nitric Oxide Induces TIMP-1 Expression by Activating the Transforming Growth Factor $\beta^2$ -Smad Signaling Pathway. Journal of Biological Chemistry, 2005, 280, 39403-39416.	1.6	50
402	Transforming Growth Factor $\beta^2$ -Dependent Sequential Activation of Smad, Bim, and Caspase-9 Mediates Physiological Apoptosis in Gastric Epithelial Cells. Molecular and Cellular Biology, 2005, 25, 10017-10028.	1.1	89
403	Degradation of the Tumor Suppressor Smad4 by WW and HECT Domain Ubiquitin Ligases. Journal of Biological Chemistry, 2005, 280, 22115-22123.	1.6	171
404	CHIP Controls the Sensitivity of Transforming Growth Factor- $\beta^2$ Signaling by Modulating the Basal Level of Smad3 through Ubiquitin-mediated Degradation. Journal of Biological Chemistry, 2005, 280, 20842-20850.	1.6	89
405	Transforming Growth Factor- $\beta^2$ , Smads, and Cancer: Fig. 1.. Clinical Cancer Research, 2005, 11, 3151-3154.	3.2	19
406	Loss of Phosphatase and Tensin Homologue Increases Transforming Growth Factor $\beta^2$ -Mediated Invasion with Enhanced SMAD3 Transcriptional Activity. Cancer Research, 2005, 65, 11276-11281.	0.4	42
408	Morphogen gradient interpretation by a regulated trafficking step during ligand-receptor transduction. Genes and Development, 2005, 19, 2682-2694.	2.7	70
409	NF- $\beta$ , an Evolutionarily Conserved Mediator of Immune and Inflammatory Responses. , 2005, 560, 41-45.		132
410	Smad transcription factors. Genes and Development, 2005, 19, 2783-2810.	2.7	2,063
411	The Development of the Olfactory System. , 2005, , 421-463.		1
412	Investigation of Second Genetic Hits at the BMPR2 Locus as a Modulator of Disease Progression in Familial Pulmonary Arterial Hypertension. Circulation, 2005, 111, 607-613.	1.6	88

#	ARTICLE	IF	CITATIONS
413	Yin and Yang of Myocardial Transforming Growth Factor- $\beta$ 1. <i>Circulation</i> , 2005, 111, 2416-2417.	1.6	15
414	Kinetic Analysis of Smad Nucleocytoplasmic Shuttling Reveals a Mechanism for Transforming Growth Factor $\beta$ -Dependent Nuclear Accumulation of Smads. <i>Molecular and Cellular Biology</i> , 2005, 25, 9845-9858.	1.1	164
415	Keratocan Expression of Murine Keratocytes Is Maintained on Amniotic Membrane by Down-regulating Transforming Growth Factor- $\beta$ Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 27085-27092.	1.6	48
416	The Integral Inner Nuclear Membrane Protein MAN1 Physically Interacts with the R-Smad Proteins to Repress Signaling by the Transforming Growth Factor- $\beta$ Superfamily of Cytokines. <i>Journal of Biological Chemistry</i> , 2005, 280, 15992-16001.	1.6	154
417	Extrusion of Cells with Inappropriate Dpp Signaling from Drosophila Wing Disc Epithelia. <i>Science</i> , 2005, 307, 1789-1790.	6.0	148
418	c-Src and Hydrogen Peroxide Mediate Transforming Growth Factor- $\beta$ -Induced Smooth Muscle Cell Gene Expression in 10T1/2 Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 341-347.	1.1	31
419	Nuclear Targeting of Transforming Growth Factor- $\beta$ -activated Smad Complexes*. <i>Journal of Biological Chemistry</i> , 2005, 280, 21329-21336.	1.6	58
420	The establishment of a predictive mutational model of the forkhead domain through the analyses of FOXC2 missense mutations identified in patients with hereditary lymphedema with distichiasis. <i>Human Molecular Genetics</i> , 2005, 14, 2619-2627.	1.4	52
421	Bmpr1a and Bmpr1b have overlapping functions and are essential for chondrogenesis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5062-5067.	3.3	403
422	Bifurcated converging pathways for high Ca <sup>2+</sup> - and TGF $\beta$ -induced inhibition of growth of normal human keratinocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13921-13926.	3.3	41
423	The ETV6-NTRK3 chimeric tyrosine kinase suppresses TGF $\beta$ signaling by inactivating the TGF $\beta$ type II receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16239-16244.	3.3	33
424	Breast cancer bone metastasis mediated by the Smad tumor suppressor pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13909-13914.	3.3	500
425	Trichostatin A Induces Transforming Growth Factor $\beta$ Type II Receptor Promoter Activity and Acetylation of Sp1 by Recruitment of PCAF/p300 to a Sp1-NF-Y Complex. <i>Journal of Biological Chemistry</i> , 2005, 280, 10047-10054.	1.6	105
426	DRAGON, a Bone Morphogenetic Protein Co-receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 14122-14129.	1.6	193
427	Smad3 Induces Chondrogenesis through the Activation of SOX9 via CREB-binding Protein/p300 Recruitment. <i>Journal of Biological Chemistry</i> , 2005, 280, 8343-8350.	1.6	274
428	Adenovirus-mediated Gene Transfer of Mutated $\beta$ Kinase and $\beta$ Reveal NF- $\beta$ -dependent as Well as NF- $\beta$ -independent Pathways of HAS1 Activation. <i>Journal of Biological Chemistry</i> , 2005, 280, 42766-42773.	1.6	17
429	Cross-talk between Bone Morphogenetic Protein and Transforming Growth Factor- $\beta$ Signaling Is Essential for Exendin-4-induced Insulin-positive Differentiation of AR42J Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 32209-32217.	1.6	34
430	Dpp-responsive Silencers Are Bound by a Trimeric Mad-Medea Complex. <i>Journal of Biological Chemistry</i> , 2005, 280, 36158-36164.	1.6	52



#	ARTICLE	IF	CITATIONS
431	Kruppel-like Factor 4 Is a Mediator of Proinflammatory Signaling in Macrophages. <i>Journal of Biological Chemistry</i> , 2005, 280, 38247-38258.	1.6	259
432	MAN1, an integral protein of the inner nuclear membrane, binds Smad2 and Smad3 and antagonizes transforming growth factor- $\beta^2$ signaling. <i>Human Molecular Genetics</i> , 2005, 14, 437-445.	1.4	190
433	Change of Plasma Transforming Growth Factor- $\beta^2$ Levels in Nasopharyngeal Carcinoma Patients Treated with Concurrent Chemo-radiotherapy. <i>Japanese Journal of Clinical Oncology</i> , 2005, 35, 427-432.	0.6	14
434	Differential expression and cytoplasm/membrane distribution of endoglin (CD105) in human tumour cell lines: Implications in the modulation of cell proliferation. <i>International Journal of Oncology</i> , 2005, 26, 1193-201.	1.4	13
435	Characterization of a novel transcriptionally active domain in the transforming growth factor $\beta$ -regulated Smad3 protein. <i>Nucleic Acids Research</i> , 2005, 33, 3708-3721.	6.5	32
436	Regulating Inducible Transcription Through Controlled Localization. <i>Science Signaling</i> , 2005, 2005, re6-re6.	1.6	37
437	A critical role for the Sp1-binding sites in the transforming growth factor- $\beta$ -mediated inhibition of lipoprotein lipase gene expression in macrophages. <i>Nucleic Acids Research</i> , 2005, 33, 1423-1434.	6.5	42
438	An Oct-1 binding site mediates activation of the gata2 promoter by BMP signaling. <i>Nucleic Acids Research</i> , 2005, 33, 4357-4367.	6.5	23
439	Localization and Action of Dragon (Repulsive Guidance Molecule b), a Novel Bone Morphogenetic Protein Coreceptor, throughout the Reproductive Axis. <i>Endocrinology</i> , 2005, 146, 3614-3621.	1.4	30
442	Cellular and molecular facets of keratinocyte reepithelization during wound healing. <i>Experimental Cell Research</i> , 2005, 304, 274-286.	1.2	329
444	TGF $\beta^2$ /activin/nodal signaling is necessary for the maintenance of pluripotency in human embryonic stem cells. <i>Development (Cambridge)</i> , 2005, 132, 1273-1282.	1.2	778
445	Antisense to transforming growth factor- $\beta^2$ messenger RNA reduces vein graft intimal hyperplasia and monocyte chemotactic protein 1. <i>Journal of Vascular Surgery</i> , 2005, 41, 498-508.	0.6	42
447	Array-Based Comparative Genomic Hybridization Identifies Localized DNA Amplifications and Homozygous Deletions in Pancreatic Cancer. <i>Neoplasia</i> , 2005, 7, 556-IN16.	2.3	180
448	Activin A Mediates Growth Inhibition and Cell Cycle Arrest through Smads in Human Breast Cancer Cells. <i>Cancer Research</i> , 2005, 65, 7968-7975.	0.4	118
449	Bone Morphogenetic Protein Receptor Type II C-Terminus Interacts with c-Src. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 438-446.	1.4	92
450	Transforming Growth Factor- $\beta^2$ -Dependent Growth Inhibition in Primary Vascular Smooth Muscle Cells Is p38-Dependent. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1005-1012.	1.3	92
451	<i>Caenorhabditis elegans</i> Opens Up New Insights into Circadian Clock Mechanisms. <i>Chronobiology International</i> , 2005, 22, 1-19.	0.9	40
452	Cytokines, chemokines and growth factors in endometrium related to implantation. <i>Human Reproduction Update</i> , 2005, 11, 613-630.	5.2	446

#	ARTICLE	IF	CITATIONS
453	The role of proteins of the transforming growth factor- $\beta$ superfamily in the intraovarian regulation of follicular development. <i>Human Reproduction Update</i> , 2005, 11, 144-161.	5.2	304
454	Expression of truncated latent TGF- $\beta$ -binding protein modulates TGF- $\beta$ signaling. <i>Journal of Cell Science</i> , 2005, 118, 2177-2187.	1.2	38
455	TGF- $\beta$ Superfamily and Mouse Craniofacial Development: Interplay of Morphogenetic Proteins and Receptor Signaling Controls Normal Formation of the Face. <i>Current Topics in Developmental Biology</i> , 2005, 66, 65-133.	1.0	37
456	Dopamine and Transforming Growth Factor- $\beta$ 1: An Odd Couple in Growth Inhibition of the Lactotrophs. <i>Endocrinology</i> , 2005, 146, 4177-4178.	1.4	4
457	AMH and AMH receptor defects in persistent Müllerian duct syndrome. <i>Human Reproduction Update</i> , 2005, 11, 351-356.	5.2	240
458	BMP7 signaling in renal development and disease. <i>Trends in Molecular Medicine</i> , 2005, 11, 512-518.	3.5	64
459	Scleroderma: from cell and molecular mechanisms to disease models. <i>Trends in Immunology</i> , 2005, 26, 587-595.	2.9	283
460	Smad4 protein expression correlates with grade, stage, and DNA ploidy in prostatic adenocarcinomas. <i>Human Pathology</i> , 2005, 36, 1204-1209.	1.1	16
461	Emerging roles for TGF- $\beta$ 1 in nervous system development. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 413-424.	0.7	150
462	Intrafollicular paracrine communication in the zebrafish ovary: The state of the art of an emerging model for the study of vertebrate folliculogenesis. <i>Molecular and Cellular Endocrinology</i> , 2005, 237, 1-10.	1.6	119
463	Current insights into the role of transforming growth factor- $\beta$ in bone resorption. <i>Molecular and Cellular Endocrinology</i> , 2005, 243, 19-26.	1.6	84
464	Transcription regulation of the vegf gene by the BMP/Smad pathway in the angioblast of zebrafish embryos. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 324-330.	1.0	60
465	A novel EID family member, EID-3, inhibits differentiation and forms a homodimer or heterodimer with EID-2. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 969-975.	1.0	11
466	A New Class of Transcription Factors Mediates Brassinosteroid-Regulated Gene Expression in Arabidopsis. <i>Cell</i> , 2005, 120, 249-259.	13.5	709
467	Ubiquitin-Mediated Degradation. <i>Cell</i> , 2005, 121, 2-4.	13.5	40
468	A Nuclear Function of $\beta$ -Arrestin1 in GPCR Signaling: Regulation of Histone Acetylation and Gene Transcription. <i>Cell</i> , 2005, 123, 833-847.	13.5	294
469	Myostatin, a negative regulator of muscle mass: implications for muscle degenerative diseases. <i>Current Opinion in Pharmacology</i> , 2005, 5, 328-332.	1.7	61
470	Smad signal and TGF- $\beta$ 2 induced apoptosis in human lymphoma cells. <i>Cytokine</i> , 2005, 30, 228-235.	1.4	20

#	ARTICLE	IF	CITATIONS
471	Dual role for TGF- $\beta$ 1 in apoptosis. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 15-34.	3.2	197
472	BMP receptor signaling: Transcriptional targets, regulation of signals, and signaling cross-talk. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 251-263.	3.2	773
473	Cytokines and junction restructuring during spermatogenesis—a lesson to learn from the testis. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 469-493.	3.2	84
474	Autoregulation and Homodimerization Are Involved in the Activation of the Plant Steroid Receptor BRI1. <i>Developmental Cell</i> , 2005, 8, 855-865.	3.1	257
475	The Structure of the Follistatin:Activin Complex Reveals Antagonism of Both Type I and Type II Receptor Binding. <i>Developmental Cell</i> , 2005, 9, 535-543.	3.1	247
476	BMP Signaling Is Required for Controlling Somatic Stem Cell Self-Renewal in the Drosophila Ovary. <i>Developmental Cell</i> , 2005, 9, 651-662.	3.1	97
477	Mitochondrial Regulation of Cell Cycle Progression during Development as Revealed by the tenured Mutation in Drosophila. <i>Developmental Cell</i> , 2005, 9, 843-854.	3.1	254
478	Roles for lysine residues of the MH2 domain of Smad3 in transforming growth factor- $\beta$ 2 signaling. <i>FEBS Letters</i> , 2005, 579, 2853-2862.	1.3	7
479	Cross-talk between the TGF- $\beta$ 2 and Wnt signaling pathways in murine embryonic maxillary mesenchymal cells. <i>FEBS Letters</i> , 2005, 579, 3539-3546.	1.3	53
480	ALK5 and Smad4 are involved in TGF- $\beta$ 1-induced pulmonary endothelial permeability. <i>FEBS Letters</i> , 2005, 579, 4031-4037.	1.3	46
481	Lung Alveolar Septation Defects in Ltp-3-Null Mice. <i>American Journal of Pathology</i> , 2005, 167, 419-428.	1.9	58
482	Olfactory and lens placode formation is controlled by the hedgehog-interacting protein (Xhip) in Xenopus. <i>Developmental Biology</i> , 2005, 277, 296-315.	0.9	23
483	Conditional BMP inhibition in Xenopus reveals stage-specific roles for BMPs in neural and neural crest induction. <i>Developmental Biology</i> , 2005, 277, 425-442.	0.9	55
484	TGF- $\beta$ 2, c-Cbl, and PDGFR- $\beta$ the in mammary stroma. <i>Developmental Biology</i> , 2005, 279, 58-72.	0.9	29
485	TGF- $\beta$ 3 regulates anchoring junction dynamics in the seminiferous epithelium of the rat testis via the Ras/ERK signaling pathway: An in vivo study. <i>Developmental Biology</i> , 2005, 280, 321-343.	0.9	94
486	Phylogenetic footprinting and genome scanning identify vertebrate BMP response elements and new target genes. <i>Developmental Biology</i> , 2005, 281, 210-226.	0.9	57
487	Temporal analysis of the early BMP functions identifies distinct anti-organizer and mesoderm patterning phases. <i>Developmental Biology</i> , 2005, 282, 442-454.	0.9	31
488	Threshold-specific requirements for Bmp4 in mandibular development. <i>Developmental Biology</i> , 2005, 283, 282-293.	0.9	128

#	ARTICLE	IF	CITATIONS
489	BMP signaling and stem cell regulation. <i>Developmental Biology</i> , 2005, 284, 1-11.	0.9	197
490	Altered primordial germ cell migration in the absence of transforming growth factor $\beta^2$ signaling via ALK5. <i>Developmental Biology</i> , 2005, 284, 194-203.	0.9	53
491	Smad4 is required for the normal organization of the cartilage growth plate. <i>Developmental Biology</i> , 2005, 284, 311-322.	0.9	94
492	BMP-3 is a novel inhibitor of both activin and BMP-4 signaling in <i>Xenopus</i> embryos. <i>Developmental Biology</i> , 2005, 285, 156-168.	0.9	66
493	Generating and interpreting the Brinker gradient in the <i>Drosophila</i> wing. <i>Developmental Biology</i> , 2005, 286, 647-658.	0.9	32
494	The function of Myostatin and strategies of Myostatin blockade—new hope for therapies aimed at promoting growth of skeletal muscle. <i>Neuromuscular Disorders</i> , 2005, 15, 117-126.	0.3	112
495	SPECIFICITY AND VERSATILITY IN TGF- $\beta^2$ SIGNALING THROUGH SMADS. <i>Annual Review of Cell and Developmental Biology</i> , 2005, 21, 659-693.	4.0	1,670
496	Transforming Growth Factor Beta and Prostate Cancer. , 2005, 126, 157-173.		50
497	Adipose Development: From Stem Cell to Adipocyte. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2005, 40, 229-242.	2.3	440
498	Post-transcriptional Regulation of Smad7 in the Gut of Patients With Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2005, 129, 1420-1429.	0.6	101
499	TGF- $\beta^2$ neutralization inhibits proliferation and activates apoptosis of cerebellar granule cell precursors in the developing cerebellum. <i>Mechanisms of Development</i> , 2005, 122, 587-602.	1.7	11
500	Glypican-3 modulates inhibitory Bmp2-Smad signaling to control renal development in vivo. <i>Mechanisms of Development</i> , 2005, 122, 928-938.	1.7	56
501	Epithelial-mesenchymal transition. <i>Journal of Cell Science</i> , 2005, 118, 4325-4326.	1.2	373
502	Regulation of the Polarity Protein Par6 by TGF $\beta$ Receptors Controls Epithelial Cell Plasticity. <i>Science</i> , 2005, 307, 1603-1609.	6.0	824
503	Identification and Characterization of ERK MAP Kinase Phosphorylation Sites in Smad3. <i>Biochemistry</i> , 2005, 44, 12546-12553.	1.2	115
504	Transforming Growth Factor- $\beta^1$ to the Bone. <i>Endocrine Reviews</i> , 2005, 26, 743-774.	8.9	622
505	Epithelial-Mesenchymal Transformation during Craniofacial Development. <i>Journal of Dental Research</i> , 2005, 84, 678-690.	2.5	74
506	Cell Biology of Cardiac Cushion Development. <i>International Review of Cytology</i> , 2005, 243, 287-335.	6.2	316

#	ARTICLE	IF	CITATIONS
507	Molecular Mechanisms in Gliomagenesis. <i>Advances in Cancer Research</i> , 2005, 94, 1-27.	1.9	63
508	Evolving Concepts in Bone Tissue Engineering. <i>Current Topics in Developmental Biology</i> , 2005, 66, 239-285.	1.0	72
509	Transforming growth factor-beta-induced regulatory T cells referee inflammatory and autoimmune diseases. <i>Arthritis Research</i> , 2005, 7, 62.	2.0	70
510	Î²3Integrin and Src facilitate transforming growth factor-Î² mediated induction of epithelial-mesenchymal transition in mammary epithelial cells. <i>Breast Cancer Research</i> , 2006, 8, R42.	2.2	216
511	BMP Signaling in the Cartilage Growth Plate. <i>Current Topics in Developmental Biology</i> , 2006, 76, 1-48.	1.0	104
512	Remodelage de la matrice extracellulaire en pathologie vasculaire. <i>Annales De Pathologie</i> , 2006, 26, 48-49.	0.1	0
513	Cancer Drug Resistance. , 2006, , .		21
514	Pulmonary arterial hypertension. <i>Annals of Medicine</i> , 2006, 38, 95-110.	1.5	35
515	Molecular Mechanisms of Cytodifferentiation in Mammalian Tooth Development. <i>Connective Tissue Research</i> , 2006, 47, 111-118.	1.1	56
516	An Overview of Regenerative Biology and Medicine. , 2006, , 1-20.		52
517	The Tumor Suppressor Smad4 Is Required for Transforming Growth Factor Î²â€œInduced Epithelial to Mesenchymal Transition and Bone Metastasis of Breast Cancer Cells. <i>Cancer Research</i> , 2006, 66, 2202-2209.	0.4	344
518	Isoform-Specific Activation of Latent Transforming Growth Factor Î² <sup>2</sup> (LTGF-Î² <sup>2</sup> ) by Reactive Oxygen Species. <i>Radiation Research</i> , 2006, 166, 839-848.	0.7	246
519	Identification of CD109 as part of the TGFâ€œÎ² <sup>2</sup> receptor system in human keratinocytes. <i>FASEB Journal</i> , 2006, 20, 1525-1527.	0.2	124
520	Epidermal Stem Cells of the Skin. <i>Annual Review of Cell and Developmental Biology</i> , 2006, 22, 339-373.	4.0	681
521	A Keratinocyte Hypermotility/Growth-Arrest Response Involving Laminin 5 and p16INK4A Activated in Wound Healing and Senescence. <i>American Journal of Pathology</i> , 2006, 168, 1821-1837.	1.9	63
522	Mechanisms of Disease: fibroblastsâ€œa new look at an old problem. <i>Nature Clinical Practice Nephrology</i> , 2006, 2, 101-108.	2.0	184
523	Retrograde Signaling That Regulates Synaptic Development and Function at the Drosophila Neuromuscular Junction. <i>International Review of Neurobiology</i> , 2006, 75, 267-285.	0.9	45
524	Analysis of the influence of subcellular localization of the HIV Rev protein on Rev-dependent gene expression by multi-fluorescence live-cell imaging. <i>Experimental Cell Research</i> , 2006, 312, 443-456.	1.2	27

#	ARTICLE	IF	CITATIONS
525	Hgs physically interacts with Smad5 and attenuates BMP signaling. <i>Experimental Cell Research</i> , 2006, 312, 1153-1163.	1.2	7
526	HaCaT keratinocyte migration is dependent on epidermal growth factor receptor signaling and glycogen synthase kinase-3 $\beta$ . <i>Experimental Cell Research</i> , 2006, 312, 2791-2805.	1.2	61
527	Bone morphogenetic protein-2 promotes the haptotactic migration of murine osteoblastic and osteosarcoma cells by enhancing incorporation of integrin $\beta$ 1 into lipid rafts. <i>Experimental Cell Research</i> , 2006, 312, 3927-3938.	1.2	64
528	Methylation of Smad6 by protein arginineN-methyltransferase 1. <i>FEBS Letters</i> , 2006, 580, 6603-6611.	1.3	27
529	Identification of intracellular pathways through which TGF- $\beta$ 1 upregulates PAI-1 expression in endothelial cells. <i>Atherosclerosis</i> , 2006, 186, 92-100.	0.4	19
530	Bone morphogenetic protein 4: Potential regulator of shear stress-induced graft neointimal atrophy. <i>Journal of Vascular Surgery</i> , 2006, 43, 150-158.	0.6	22
531	The function of growth/differentiation factor 11 (Gdf11) in rostrocaudal patterning of the developing spinal cord. <i>Development (Cambridge)</i> , 2006, 133, 2865-2874.	1.2	86
532	Régulation de l'expression des gènes de la matrice extracellulaire par le TGF- $\beta$ 1 : une clef dans la fibrose. <i>Annales De Pathologie</i> , 2006, 26, 45-48.	0.1	0
533	A Rate Equation Approach to Elucidate the Kinetics and Robustness of the TGF- $\beta$ Pathway. <i>Biophysical Journal</i> , 2006, 91, 4368-4380.	0.2	50
534	Lefty at the Crossroads of Stemness and Differentiative Events. <i>Stem Cells</i> , 2006, 24, 1998-2006.	1.4	106
535	The structural basis of TGF- $\beta$ 2, bone morphogenetic protein, and activin ligand binding. <i>Reproduction</i> , 2006, 132, 179-190.	1.1	119
536	The level of BMP4 signaling is critical for the regulation of distinct T-box gene expression domains and growth along the dorso-ventral axis of the optic cup. <i>BMC Developmental Biology</i> , 2006, 6, 62.	2.1	89
537	Smad signalling in the ovary. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 21.	1.4	89
538	Activin B can signal through both ALK4 and ALK7 in gonadotrope cells. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 52.	1.4	60
539	Immunohistochemical evaluation of phosphorylated SMAD2/SMAD3 and the co-activator P300 in human glomerulonephritis: correlation with renal injury. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 838-851.	1.6	1
540	Growth Factors and the Epididymis. <i>Journal of Andrology</i> , 2006, 27, 348-357.	2.0	17
541	Real-time PCR. , 2005, , 1603-1603.		0
542	Regulation of Smad Function by Phosphorylation. , 2006, , 235-252.		2

#	ARTICLE	IF	CITATIONS
543	TRANSFORMING GROWTH FACTOR- $\beta$ 2 REGULATION OF IMMUNE RESPONSES. Annual Review of Immunology, 2006, 24, 99-146.	9.5	1,959
544	Toward a Unified Theory of Renal Progression. Annual Review of Medicine, 2006, 57, 365-380.	5.0	162
545	Role of transforming growth factor- $\beta$ 2 in cancer progression. Future Oncology, 2006, 2, 743-763.	1.1	81
546	Anti-Müllerian hormone receptor defect. Best Practice and Research in Clinical Endocrinology and Metabolism, 2006, 20, 599-610.	2.2	45
547	XBP1 forms a regulatory loop with BMP-4 and suppresses mesodermal and neural differentiation in Xenopus embryos. Mechanisms of Development, 2006, 123, 84-96.	1.7	32
548	The role of brinker in eggshell patterning. Mechanisms of Development, 2006, 123, 395-406.	1.7	35
549	The molecular mechanisms of larval cestode development: First steps into an unknown world. Parasitology International, 2006, 55, S15-S21.	0.6	48
550	Escaping from the TGF $\beta$ anti-proliferative control. Carcinogenesis, 2006, 27, 2148-2156.	1.3	136
551	Dependence of Diffusional Mobility of Integral Inner Nuclear Membrane Proteins on A-Type Lamins. Biochemistry, 2006, 45, 1374-1382.	1.2	75
552	The logic of TGF $\beta$ 2 signaling. FEBS Letters, 2006, 580, 2811-2820.	1.3	657
553	JNK mediates TGF $\beta$ 1-induced epithelial mesenchymal transdifferentiation of mouse transformed keratinocytes. FEBS Letters, 2006, 580, 5385-5391.	1.3	91
554	Hematopoiesis Controlled by Distinct TIF1 $\beta$ 3 and Smad4 Branches of the TGF $\beta$ 2 Pathway. Cell, 2006, 125, 929-941.	13.5	335
555	A Phosphatase Controls the Fate of Receptor-Regulated Smads. Cell, 2006, 125, 838-840.	13.5	17
556	Bone Formation: The Nuclear Matrix Reloaded. Cell, 2006, 125, 840-842.	13.5	41
557	Inner nuclear membrane and regulation of Smad-mediated signaling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 626-631.	1.2	19
558	SnoN co-repressor binds and represses smad7 gene promoter. Biochemical and Biophysical Research Communications, 2006, 341, 889-894.	1.0	19
559	TGF $\beta$ 2 signaling pathway inactivation and cell cycle deregulation in the development of gastric cancer: Role of the $\beta$ 2-spectrin, ELF. Biochemical and Biophysical Research Communications, 2006, 344, 1216-1223.	1.0	36
560	Sulfation is required for bone morphogenetic protein 2-dependent Id1 induction. Biochemical and Biophysical Research Communications, 2006, 344, 1207-1215.	1.0	8

#	ARTICLE	IF	CITATIONS
561	Activation and roles of ALK4/ALK7-mediated maternal TGF $\beta$ 2 signals in zebrafish embryo. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 694-703.	1.0	40
562	Inactivation of TGF $\beta$ 2 signaling in lung cancer results in increased CDK4 activity that can be rescued by ELF. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 1150-1157.	1.0	17
563	TSAd interacts with Smad2 and Smad3. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 266-272.	1.0	8
564	Constitutive homo- and hetero-oligomerization of T $\beta$ RII-B, an alternatively spliced variant of the mouse TGF $\beta$ 2 type II receptor. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 651-657.	1.0	6
565	High resolution structures of the bone morphogenetic protein type II receptor in two crystal forms: Implications for ligand binding. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 831-838.	1.0	48
566	Critical molecular switches involved in BMP-2-induced osteogenic differentiation of mesenchymal cells. <i>Gene</i> , 2006, 366, 51-57.	1.0	342
567	Evolutionary conservation and mutational spectrum of BMPR2 gene. <i>Gene</i> , 2006, 368, 84-93.	1.0	5
568	Downregulation of cAMP-dependent protein kinase inhibitor I $\beta$ 3 is required for BMP-2-induced osteoblastic differentiation. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 2064-2073.	1.2	23
569	IL-1 $\beta$ , but not BMP-7 leads to a dramatic change in the gene expression pattern of human adult articular chondrocytes—Portraying the gene expression pattern in two donors. <i>Cytokine</i> , 2006, 36, 90-99.	1.4	19
570	Transforming growth factor- $\beta$ 2 pathway: Role in pancreas development and pancreatic disease. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 107-119.	3.2	80
571	TGF-beta as a T cell regulator in colitis and colon cancer. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 97-106.	3.2	95
572	Smad3 is key to TGF $\beta$ 2-mediated epithelial-to-mesenchymal transition, fibrosis, tumor suppression and metastasis. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 19-27.	3.2	317
573	Alterations in components of the TGF $\beta$ 2 superfamily signaling pathways in human cancer. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 41-58.	3.2	512
574	Smad3 phosphorylation by cyclin-dependent kinases. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 9-17.	3.2	59
575	Transforming growth factor- $\beta$ 2 signalling in brain disorders. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 121-128.	3.2	114
576	The role of transforming growth factor- $\beta$ 2 in atherosclerosis. <i>Cytokine and Growth Factor Reviews</i> , 2006, 17, 487-499.	3.2	93
577	Schnurri-2 Controls BMP-Dependent Adipogenesis via Interaction with Smad Proteins. <i>Developmental Cell</i> , 2006, 10, 461-471.	3.1	154
578	Tob1 Controls Dorsal Development of Zebrafish Embryos by Antagonizing Maternal $\beta$ -Catenin Transcriptional Activity. <i>Developmental Cell</i> , 2006, 11, 225-238.	3.1	67



#	ARTICLE	IF	CITATIONS
579	Mediators and modulators of pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L547-L558.	1.3	52
580	Nuclear Retention of the Tumor Suppressor cPML by the Homeodomain Protein TGIF Restricts TGF- $\beta$ Signaling. <i>Molecular Cell</i> , 2006, 23, 547-559.	4.5	66
581	TGF $\beta$ in the Context of an Inflammatory Cytokine Milieu Supports De Novo Differentiation of IL-17-Producing T Cells. <i>Immunity</i> , 2006, 24, 179-189.	6.6	3,302
583	Pro- and Antiinflammatory Cytokine Signaling: Reciprocal Antagonism Regulates Interferon-gamma Production by Human Natural Killer Cells. <i>Immunity</i> , 2006, 24, 575-590.	6.6	235
584	An obligatory caravanserai stop on the silk road to neural induction: Inhibition of BMP/GDF signaling. <i>Seminars in Cell and Developmental Biology</i> , 2006, 17, 117-132.	2.3	24
585	BMP-signaling regulates the generation of hair-cells. <i>Developmental Biology</i> , 2006, 292, 55-67.	0.9	90
586	A novel Cripto-related protein reveals an essential role for EGF-CFCs in Nodal signalling in <i>Xenopus</i> embryos. <i>Developmental Biology</i> , 2006, 292, 303-316.	0.9	44
587	Synergistic interaction between Gdf1 and Nodal during anterior axis development. <i>Developmental Biology</i> , 2006, 293, 370-381.	0.9	82
588	Inhibitor-resistant type I receptors reveal specific requirements for TGF- $\beta$ signaling in vivo. <i>Developmental Biology</i> , 2006, 295, 730-742.	0.9	47
589	Both insulin and calcium channel signaling are required for developmental regulation of serotonin synthesis in the chemosensory ADF neurons of <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2006, 298, 32-44.	0.9	31
590	RTK and TGF- $\beta$ signaling pathways genes in the sea urchin genome. <i>Developmental Biology</i> , 2006, 300, 132-152.	0.9	140
591	Temporal and spatial mRNA expression patterns of TGF- $\beta$ 1, 2, 3 and T $\beta$ RI, II, III in skeletal muscles of mdx mice. <i>Neuromuscular Disorders</i> , 2006, 16, 32-38.	0.3	83
592	p38 Mitogen-activated protein kinase and alkaline phosphatase in human dental pulp cells. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2006, 102, 114-118.	1.6	19
593	Smad3 knock-out mice as a useful model to study intestinal fibrogenesis. <i>World Journal of Gastroenterology</i> , 2006, 12, 1211.	1.4	25
594	Biological Foundations of Signal Transduction and the Systems Biology Perspective. , 2006, , 149-168.		2
595	Cellular Biology of the Normal Liver. , 2006, , 17-41.		0
596	Mechanisms Controlling Embryonic Stem Cell Self-Renewal and Differentiation. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2006, 16, 211-232.	0.4	38
598	Reversible ubiquitination regulates the Smad/TGF- $\beta$ signalling pathway. <i>Biochemical Society Transactions</i> , 2006, 34, 761-763.	1.6	58

#	ARTICLE	IF	CITATIONS
599	Transforming growth factor- $\beta$ -regulated expression of genes in macrophages implicated in the control of cholesterol homeostasis. <i>Biochemical Society Transactions</i> , 2006, 34, 1141-1144.	1.6	10
600	Targeting receptor kinases by a novel indolinone derivative in multiple myeloma: abrogation of stroma-derived interleukin-6 secretion and induction of apoptosis in cytogenetically defined subgroups. <i>Blood</i> , 2006, 107, 2079-2089.	0.6	34
601	Role of transforming growth factor- $\beta$ in hematologic malignancies. <i>Blood</i> , 2006, 107, 4589-4596.	0.6	228
602	Smad5 is dispensable for adult murine hematopoiesis. <i>Blood</i> , 2006, 108, 3707-3712.	0.6	33
603	Smad7 promotes self-renewal of hematopoietic stem cells. <i>Blood</i> , 2006, 108, 4246-4254.	0.6	75
605	Pancreatic Cancer. <i>Pancreas</i> , 2006, 33, 111-118.	0.5	115
606	Toward an Optimum System for Intervertebral Disc Organ Culture. <i>Spine</i> , 2006, 31, 884-890.	1.0	97
607	Potential of Smad-mediated transcriptional activation by the RNA-binding protein RBPMS. <i>Nucleic Acids Research</i> , 2006, 34, 6314-6326.	6.5	60
608	Raloxifene Covalently Bonded to Titanium Implants by Interfacing with (3-Aminopropyl)-Triethoxysilane Affects Osteoblast-like Cell Gene Expression. <i>International Journal of Immunopathology and Pharmacology</i> , 2006, 19, 905-914.	1.0	6
609	Effect of salt intake on progression of chronic kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2006, 15, 54-60.	1.0	42
610	TGF- $\beta$ : Its Role in Asthma and Therapeutic Potential. <i>Current Drug Targets</i> , 2006, 7, 547-565.	1.0	97
611	Intracellular Signaling Pathways Regulating Pluripotency of Embryonic Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2006, 1, 103-111.	0.6	108
612	Activin Signaling and Its Role in Regulation of Cell Proliferation, Apoptosis, and Carcinogenesis. <i>Experimental Biology and Medicine</i> , 2006, 231, 534-544.	1.1	159
613	Highly sensitive and specific bioassay for measuring bioactive TGF- $\beta$ . <i>BMC Cell Biology</i> , 2006, 7, 15.	3.0	99
614	Smad7 and protein phosphatase 1alpha are critical determinants in the duration of TGF- $\beta$ /ALK1 signaling in endothelial cells. <i>BMC Cell Biology</i> , 2006, 7, 16.	3.0	50
615	Defective ALK5 signaling in the neural crest leads to increased postmigratory neural crest cell apoptosis and severe outflow tract defects. <i>BMC Developmental Biology</i> , 2006, 6, 51.	2.1	80
616	TGF- $\beta$ receptors: Assembly, signalling, and disease relevance. <i>Signal Transduction</i> , 2006, 6, 301-313.	0.7	0
617	The roles for cytokines in the generation and maintenance of regulatory T cells. <i>Immunological Reviews</i> , 2006, 212, 114-130.	2.8	127

#	ARTICLE	IF	CITATIONS
618	Update on pancreatic cancer and alcohol-associated risk. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2006, 21, S69-S75.	1.4	31
619	Notch controls proliferation and differentiation of stem cells in a dose-dependent manner. <i>European Journal of Neuroscience</i> , 2006, 23, 2289-2296.	1.2	75
620	Therapeutic strategies against TGF- $\beta$ 2 signaling pathway in hepatic fibrosis. <i>Liver International</i> , 2006, 26, 8-22.	1.9	238
621	TGF- $\beta$ : a mobile purveyor of immune privilege. <i>Immunological Reviews</i> , 2006, 213, 213-227.	2.8	213
622	Follistatin is a candidate endogenous negative regulator of activin A in experimental allergic asthma. <i>Clinical and Experimental Allergy</i> , 2006, 36, 941-950.	1.4	49
623	Smad3-null mice lack interstitial cells of Cajal in the colonic wall. <i>European Journal of Clinical Investigation</i> , 2006, 36, 41-48.	1.7	15
624	Intestinal epithelial cell signalling and host-derived negative regulators under chronic inflammation: to be or not to be activated determines the balance towards commensal bacteria. <i>Neurogastroenterology and Motility</i> , 2006, 18, 184-199.	1.6	43
625	Nuclear and cytoplasmic c-Ski differently modulate cellular functions. <i>Genes To Cells</i> , 2006, 11, 1267-1280.	0.5	35
626	Bone morphogenetic protein signaling by hemojuvelin regulates hepcidin expression. <i>Nature Genetics</i> , 2006, 38, 531-539.	9.4	921
627	TGF- $\beta$ 2: the molecular Jekyll and Hyde of cancer. <i>Nature Reviews Cancer</i> , 2006, 6, 506-520.	12.8	1,193
628	The immunomodulator FTY720 and its phosphorylated derivative activate the Smad signalling cascade and upregulate connective tissue growth factor and collagen type IV expression in renal mesangial cells. <i>British Journal of Pharmacology</i> , 2006, 147, 164-174.	2.7	60
629	TGF- $\beta$ 2 pathobiology in the eye. <i>Laboratory Investigation</i> , 2006, 86, 106-115.	1.7	241
630	Baboon/dSmad2 TGF- $\beta$ 2 signaling is required during late larval stage for development of adult-specific neurons. <i>EMBO Journal</i> , 2006, 25, 615-627.	3.5	54
631	Axin is a scaffold protein in TGF- $\beta$ 2 signaling that promotes degradation of Smad7 by Arkadia. <i>EMBO Journal</i> , 2006, 25, 1646-1658.	3.5	161
632	Growth differentiation factor 11 signals through the transforming growth factor- $\beta$ 2 receptor ALK5 to regionalize the anterior-posterior axis. <i>EMBO Reports</i> , 2006, 7, 831-837.	2.0	135
633	Intracellular TGF- $\beta$ 2 Receptor Blockade Abrogates Smad-Dependent Fibroblast Activation In Vitro and In Vivo. <i>Journal of Investigative Dermatology</i> , 2006, 126, 1733-1744.	0.3	81
634	Role of TGF- $\beta$ 2-Mediated Inflammation in Cutaneous Wound Healing. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2006, 11, 112-117.	0.8	189
635	Activated type I TGF- $\beta$ 2 receptor kinase enhances the survival of mammary epithelial cells and accelerates tumor progression. <i>Oncogene</i> , 2006, 25, 3408-3423.	2.6	133

#	ARTICLE	IF	CITATIONS
636	RING finger-dependent ubiquitination by PRAJA is dependent on TGF- $\beta$ 2 and potentially defines the functional status of the tumor suppressor ELF. <i>Oncogene</i> , 2006, 25, 693-705.	2.6	29
637	Critical interactions between TGF- $\beta$ 2 signaling/ELF, and E-cadherin/ $\beta$ 2-catenin mediated tumor suppression. <i>Oncogene</i> , 2006, 25, 1871-1886.	2.6	43
638	MAPKAPK2 and HSP27 are downstream effectors of p38 MAP kinase-mediated matrix metalloproteinase type 2 activation and cell invasion in human prostate cancer. <i>Oncogene</i> , 2006, 25, 2987-2998.	2.6	193
639	Cell type-dependent control of NF- $\kappa$ B activity by TGF- $\beta$ 2. <i>Oncogene</i> , 2006, 25, 3387-3396.	2.6	22
640	Smad6 is a protein kinase X phosphorylation substrate and is required for HL-60 cell differentiation. <i>Oncogene</i> , 2006, 25, 4086-4098.	2.6	28
641	Cited2 modulates TGF- $\beta$ 2-mediated upregulation of MMP9. <i>Oncogene</i> , 2006, 25, 5547-5560.	2.6	89
642	ELAC2, a putative prostate cancer susceptibility gene product, potentiates TGF- $\beta$ 2/Smad-induced growth arrest of prostate cells. <i>Oncogene</i> , 2006, 25, 5591-5600.	2.6	55
643	Involvement of programmed cell death 4 in transforming growth factor- $\beta$ 1-induced apoptosis in human hepatocellular carcinoma. <i>Oncogene</i> , 2006, 25, 6101-6112.	2.6	237
644	An overview of apoptosis and the prevention of colorectal cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2006, 57, 107-121.	2.0	97
645	A Road Map Toward Defining the Role of Smad Signaling in Hematopoietic Stem Cells. <i>Stem Cells</i> , 2006, 24, 1128-1136.	1.4	38
646	Dysregulation of the BMP-4 Signaling Pathway in Fibrodysplasia Ossificans Progressiva. <i>Annals of the New York Academy of Sciences</i> , 2006, 1068, 54-65.	1.8	65
647	Estrogen Regulation of Immune Cell Bone Interactions. <i>Annals of the New York Academy of Sciences</i> , 2006, 1068, 256-274.	1.8	79
648	Dysregulation of the BMP-p38 MAPK Signaling Pathway in Cells From Patients With Fibrodysplasia Ossificans Progressiva (FOP). <i>Journal of Bone and Mineral Research</i> , 2006, 21, 902-909.	3.1	97
649	Bone Morphogenetic Proteins in Bone Stimulate Osteoclasts and Osteoblasts During Bone Development. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1022-1033.	3.1	179
650	Small Molecule Antagonists of the TGF- $\beta$ 1/TGF- $\beta$ 2 Receptor Binding Interaction. <i>Medical Oncology</i> , 2006, 23, 553-562.	1.2	4
651	Neural Crest Contribution to the Cardiovascular System. , 2006, 589, 134-154.		51
652	Smad3 Specific Inhibitor, Naringenin, Decreases the Expression of Extracellular Matrix Induced by TGF- $\beta$ 1 in Cultured Rat Hepatic Stellate Cells. <i>Pharmaceutical Research</i> , 2006, 23, 82-89.	1.7	91
653	Pharmacogenomics of Phenolic Antioxidant Butylated Hydroxyanisole (BHA) in the Small Intestine and Liver of Nrf2 Knockout and C57BL/6J Mice. <i>Pharmaceutical Research</i> , 2006, 23, 2621-2637.	1.7	55

#	ARTICLE	IF	CITATIONS
654	p38 Mitogen-Activated Protein Kinase Affects Transforming Growth Factor- $\beta$ /Smad Signaling in Human Dental Pulp Cells. <i>Molecular and Cellular Biochemistry</i> , 2006, 291, 49-54.	1.4	23
655	Transforming growth factor beta inhibits proliferation of somatic cells without influencing germ cell number in the chicken embryonic ovary. <i>Cell and Tissue Research</i> , 2006, 325, 143-149.	1.5	8
656	Nodal signals pattern vertebrate embryos. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 672-685.	2.4	79
657	Roles for transforming growth factor- $\beta$ and transforming growth factor- $\gamma$ in colorectal cancer. <i>Current Colorectal Cancer Reports</i> , 2006, 2, 72-77.	1.0	0
659	Smad7 mediates inhibition of Saos2 osteosarcoma cell differentiation by NF- $\kappa$ B. <i>Experimental Cell Research</i> , 2006, 312, 40-50.	1.2	73
660	TGF- $\beta$ 2 inhibits AKT activation and FGF-2-induced corneal endothelial cell proliferation. <i>Experimental Cell Research</i> , 2006, 312, 3631-3640.	1.2	34
661	Modern pathogenetic concepts of liver fibrosis suggest stellate cells and TGF- $\beta$ as major players and therapeutic targets. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 76-99.	1.6	668
662	TGF- $\beta$ 1 induces mast cell apoptosis. <i>Experimental Hematology</i> , 2006, 34, 579-587.	0.2	32
663	c-Jun N-terminal kinase upregulation as a key event in the proapoptotic interaction between transforming growth factor- $\beta$ 1 and 4-hydroxynonenal in colon mucosa. <i>Free Radical Biology and Medicine</i> , 2006, 41, 443-454.	1.3	53
664	Involvement of the c-Ski oncoprotein in cell cycle arrest and transformation during nurse cell formation after <i>Trichinella spiralis</i> infection. <i>International Journal for Parasitology</i> , 2006, 36, 1159-1166.	1.3	16
665	Smad3 reduces susceptibility to hepatocarcinoma by sensitizing hepatocytes to apoptosis through downregulation of Bcl-2. <i>Cancer Cell</i> , 2006, 9, 445-457.	7.7	136
666	The role of TGF- $\beta$ s and Sox9 during limb chondrogenesis. <i>Current Opinion in Cell Biology</i> , 2006, 18, 723-729.	2.6	142
667	Betaglycan induces TGF- $\beta$ signaling in a ligand-independent manner, through activation of the p38 pathway. <i>Cellular Signalling</i> , 2006, 18, 1482-1491.	1.7	49
668	FSH signaling pathways in immature granulosa cells that regulate target gene expression: Branching out from protein kinase A. <i>Cellular Signalling</i> , 2006, 18, 1351-1359.	1.7	341
669	TGF- $\beta$ receptor-binding proteins: Complex interactions. <i>Cellular Signalling</i> , 2006, 18, 2077-2088.	1.7	28
670	Bone morphogenetic proteins and growth differentiation factors as drug targets in cardiovascular and metabolic disease. <i>Drug Discovery Today</i> , 2006, 11, 405-411.	3.2	42
671	Transforming growth factor- $\beta$ signaling through the Smad proteins: Role in systemic sclerosis. <i>Autoimmunity Reviews</i> , 2006, 5, 563-569.	2.5	117
672	Regulation of Smad activities. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2006, 1759, 503-513.	2.4	75

#	ARTICLE	IF	CITATIONS
673	Developmental pattern of expression of BMP receptors and Smads and activation of Smad1 and Smad5 by BMP9 in mouse basal forebrain. <i>Brain Research</i> , 2006, 1088, 49-56.	1.1	35
674	Molecular Biology of Colorectal Cancer: New Targets. <i>Seminars in Oncology</i> , 2006, 33, 14-23.	0.8	13
675	Target selection for complex structural genomics. <i>Current Opinion in Structural Biology</i> , 2006, 16, 385-392.	2.6	23
676	A member of the transforming growth factor- $\beta$ 2 receptor family from <i>Echinococcus multilocularis</i> is activated by human bone morphogenetic protein 2. <i>Molecular and Biochemical Parasitology</i> , 2006, 146, 265-271.	0.5	49
677	ALK1 signalling analysis identifies angiogenesis related genes and reveals disparity between TGF- $\beta$ 2 and constitutively active receptor induced gene expression. <i>BMC Cardiovascular Disorders</i> , 2006, 6, 13.	0.7	35
678	Regulation of functional diversity within the Nedd4 family by accessory and adaptor proteins. <i>BioEssays</i> , 2006, 28, 617-628.	1.2	141
679	Jun activation domain-binding protein 1 binds Smad5 and inhibits bone morphogenetic protein signaling. <i>Arthritis and Rheumatism</i> , 2006, 54, 3878-3884.	6.7	17
680	Transforming growth factor- $\beta$ 2 induces loss of epithelial character and smooth muscle cell differentiation in epicardial cells. <i>Developmental Dynamics</i> , 2006, 235, 82-93.	0.8	92
681	Development of the upper lip: Morphogenetic and molecular mechanisms. <i>Developmental Dynamics</i> , 2006, 235, 1152-1166.	0.8	283
682	Inhibins are the major activin ligands expressed during early thymocyte development. <i>Developmental Dynamics</i> , 2006, 235, 1124-1132.	0.8	23
683	$\beta$ EF1 and SIP1 are differentially expressed and have overlapping activities during <i>Xenopus</i> embryogenesis. <i>Developmental Dynamics</i> , 2006, 235, 1491-1500.	0.8	61
684	Two-dimensional morphogen gradient in <i>Xenopus</i> : Boundary formation and real-time transduction response. <i>Developmental Dynamics</i> , 2006, 235, 3189-3198.	0.8	13
685	CD4+CD25+ regulatory T cells control the magnitude of T-dependent humoral immune responses to exogenous antigens. <i>European Journal of Immunology</i> , 2006, 36, 855-863.	1.6	54
686	Pro-metastasis function of TGF- $\beta$ 2 mediated by the smad pathway. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 1380-1390.	1.2	49
687	Distribution of ENG and ACVRL1 (ALK1) mutations in French HHT patients. <i>Human Mutation</i> , 2006, 27, 598-598.	1.1	75
688	PDT-associated host response and its role in the therapy outcome. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 500-508.	1.1	192
689	Effects of TGF- $\beta$ 1 and triiodothyronine on cartilage maturation: In vitro analysis using long-term high-density micromass cultures of chick embryonic limb mesenchymal cells. <i>Journal of Orthopaedic Research</i> , 2006, 24, 2095-2105.	1.2	70
690	Role of TGF- $\beta$ 2 in skin inflammation and carcinogenesis. <i>Molecular Carcinogenesis</i> , 2006, 45, 389-396.	1.3	54

#	ARTICLE	IF	CITATIONS
691	Overexpression of TGF- $\beta$ 1 in esophageal (Barrett's) adenocarcinoma is associated with advanced stage of disease and poor prognosis. <i>Molecular Carcinogenesis</i> , 2006, 45, 786-794.	1.3	48
692	TGF $\beta$ 1-Induced Activation of ATM and p53 Mediates Apoptosis in a Smad7-Dependent Manner. <i>Cell Cycle</i> , 2006, 5, 2787-2795.	1.3	52
693	Quantitative Characterization of 15-Deoxy- $\Delta$ (12,14)-Prostaglandin J <sub>2</sub> in Regulating EGFP/Smad2 Translocation in CHO Cells Through PPAR $\gamma$ 3/TGF $\beta$ 2/Smad2 Pathway. <i>Cellular Physiology and Biochemistry</i> , 2006, 18, 143-150.	1.1	2
694	The expression of Abl interactor 2 in leiomyoma and myometrium and regulation by GnRH analogue and transforming growth factor- $\beta$ 2. <i>Human Reproduction</i> , 2006, 21, 1380-1386.	0.4	4
695	Prohibitin and Cofilin Are Intracellular Effectors of Transforming Growth Factor $\beta$ 2 Signaling in Human Prostate Cancer Cells. <i>Cancer Research</i> , 2006, 66, 8640-8647.	0.4	97
696	TGF- $\beta$ 2, T-cell tolerance and immunotherapy of autoimmune diseases and cancer. <i>Expert Review of Clinical Immunology</i> , 2006, 2, 257-265.	1.3	11
697	Role of Steroid Receptor Coactivators in Glucocorticoid and Transforming Growth Factor $\beta$ 2 Regulation of Plasminogen Activator Inhibitor Gene Expression. <i>Molecular Endocrinology</i> , 2006, 20, 1025-1034.	3.7	24
698	Connective Tissue Growth Factor Induces Extracellular Matrix in Asthmatic Airway Smooth Muscle. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 32-41.	2.5	95
699	Bone Morphogenetic Protein-4 Inhibits Corticotroph Tumor Cells: Involvement in the Retinoic Acid Inhibitory Action. <i>Endocrinology</i> , 2006, 147, 247-256.	1.4	79
700	Smad3 Signaling Involved in Pulmonary Fibrosis and Emphysema. <i>Proceedings of the American Thoracic Society</i> , 2006, 3, 696-702.	3.5	111
701	Dephosphorylation of the Linker Regions of Smad1 and Smad2/3 by Small C-terminal Domain Phosphatases Has Distinct Outcomes for Bone Morphogenetic Protein and Transforming Growth Factor- $\beta$ 2 Pathways. <i>Journal of Biological Chemistry</i> , 2006, 281, 40412-40419.	1.6	147
702	Restoration of Transforming Growth Factor- $\beta$ 2 Type II Receptor Reduces Tumorigenicity in the Human Adrenocortical Carcinoma SW-13 Cell Line. <i>Hormone and Metabolic Research</i> , 2006, 38, 159-166.	0.7	3
703	TGF- $\beta$ 2/Smad Signaling in the Injured Liver. <i>Zeitschrift Fur Gastroenterologie</i> , 2006, 44, 57-66.	0.2	158
704	Activity-Dependent Regulation of Transcription During Development of Synapses. <i>International Review of Neurobiology</i> , 2006, 75, 287-305.	0.9	4
705	Transforming growth factor- $\beta$ 1 enhances the antifibrinolytic and prothrombotic state of growing endothelial cells in a cell cycle-specific manner. <i>FASEB Journal</i> , 2006, 20, 965-966.	0.2	4
706	Coordinated Functions of E-Cadherin and Transforming Growth Factor $\beta$ 2 Receptor II In vitro and In vivo. <i>Cancer Research</i> , 2006, 66, 9878-9885.	0.4	35
707	Regeneration of Digestive, Respiratory, and Urogenital Tissues. , 2006, , 167-195.		0
708	Fibulin-5 gene expression in human lung fibroblasts is regulated by TGF- $\beta$ 2 and phosphatidylinositol 3-kinase activity. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1412-C1421.	2.1	41

#	ARTICLE	IF	CITATIONS
709	Ductal origin of pancreatic adenocarcinomas induced by conditional activation of a human Ha-ras oncogene in rat pancreas. <i>Carcinogenesis</i> , 2006, 27, 2497-2510.	1.3	37
710	Distinctive role of Stat3 and Erk-1/2 activation in mediating interferon- $\beta$ inhibition of TGF- $\beta$ 1 action. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F1234-F1240.	1.3	17
711	TGF- $\beta$ 4; Pathway as a Potential Target in Neurodegeneration and Alzheimers. <i>Current Alzheimer Research</i> , 2006, 3, 191-195.	0.7	75
712	Follicular Development Mouse, Sheep, and Human Models. , 2006, , 383-423.		16
713	Conditional Expression of Smad7 in Pancreatic $\beta$ Cells Disrupts TGF- $\beta$ Signaling and Induces Reversible Diabetes Mellitus. <i>PLoS Biology</i> , 2006, 4, e39.	2.6	115
714	Inhibition of Transforming Growth Factor- $\beta$ 1-induced Signaling and Epithelial-to-Mesenchymal Transition by the Smad-binding Peptide Aptamer Trx-SARA. <i>Molecular Biology of the Cell</i> , 2006, 17, 3819-3831.	0.9	72
715	CCNs, fibulin-1C and S100A4 expression in leiomyoma and myometrium: inverse association with TGF- $\beta$ and regulation by TGF- $\beta$ in leiomyoma and myometrial smooth muscle cells. <i>Molecular Human Reproduction</i> , 2006, 12, 245-256.	1.3	31
716	C/EBP $\beta$ is required for lung maturation at birth. <i>Development (Cambridge)</i> , 2006, 133, 1155-1164.	1.2	122
717	Signal Processing in the TGF- $\beta$ Superfamily Ligand-Receptor Network. <i>PLoS Computational Biology</i> , 2006, 2, e3.	1.5	113
718	Tgf $\beta$ 2 signaling is required for atrioventricular cushion mesenchyme remodeling during in vivo cardiac development. <i>Development (Cambridge)</i> , 2006, 133, 4585-4593.	1.2	89
719	A direct interaction between TGF $\beta$ 2 activated kinase 1 and the TGF $\beta$ 2 type II receptor: Implications for TGF $\beta$ 2 signalling and cardiac hypertrophy. <i>Cardiovascular Research</i> , 2006, 69, 432-439.	1.8	49
720	Transforming Growth Factor- $\beta$ 1: A Molecular Target for the Future Therapy of Glioblastoma. <i>Current Pharmaceutical Design</i> , 2006, 12, 341-349.	0.9	119
721	Schistosoma mansoni TGF- $\beta$ Receptor II: Role in Host Ligand-Induced Regulation of a Schistosome Target Gene. <i>PLoS Pathogens</i> , 2006, 2, e54.	2.1	134
722	The complex pattern of SMAD signaling in the cardiovascular system. <i>Cardiovascular Research</i> , 2006, 69, 15-25.	1.8	141
723	Extracellular Matrix-Mediated Membrane-Type 1 Matrix Metalloproteinase Expression in Pancreatic Ductal Cells Is Regulated by Transforming Growth Factor- $\beta$ 1. <i>Cancer Research</i> , 2006, 66, 7032-7040.	0.4	81
724	From Gut Homeostasis to Cancer. <i>Current Molecular Medicine</i> , 2006, 6, 275-289.	0.6	104
725	A Role for TGF- $\beta$ 4; Signaling in Neurodegeneration: Evidence from Genetically Engineered Models. <i>Current Alzheimer Research</i> , 2006, 3, 505-513.	0.7	58
726	The synthetic triterpenoid CDDO-imidazolide induces monocytic differentiation by activating the Smad and ERK signaling pathways in HL60 leukemia cells. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1452-1458.	1.9	41



#	ARTICLE	IF	CITATIONS
727	Expression Profiling Identifies Altered Expression of Genes That Contribute to the Inhibition of Transforming Growth Factor- $\beta$ Signaling in Ovarian Cancer. <i>Cancer Research</i> , 2006, 66, 8404-8412.	0.4	90
728	Streptococcal modulation of cellular invasion via TGF- $\beta$ 1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2380-2385.	3.3	47
729	Extracellular Matrix-mediated Signaling by Dentin Phosphophoryn Involves Activation of the Smad Pathway Independent of Bone Morphogenetic Protein. <i>Journal of Biological Chemistry</i> , 2006, 281, 5341-5347.	1.6	63
730	Phosphoinositide-3 Kinase- $\alpha$ -Rac1- $\beta$ -c-Jun NH2-terminal Kinase Signaling Mediates Collagen $\alpha$ -induced Cell Scattering and Up-Regulation of N-Cadherin Expression in Mouse Mammary Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2006, 17, 2963-2975.	0.9	80
731	Differential Interactions between Transforming Growth Factor- $\beta$ 3/ $\beta$ 1R1, TAB1, and CD2AP Disrupt Blood-Testis Barrier and Sertoli-Germ Cell Adhesion. <i>Journal of Biological Chemistry</i> , 2006, 281, 16799-16813.	1.6	100
732	Hypoxia Regulates Bone Morphogenetic Protein Signaling Through C-Terminal- $\alpha$ -Binding Protein 1. <i>Circulation Research</i> , 2006, 99, 240-247.	2.0	37
733	Focus on TGF- $\beta$ signalling. <i>Reproduction</i> , 2006, 132, 177-178.	1.1	4
734	The DNA Binding Activities of Smad2 and Smad3 Are Regulated by Coactivator-mediated Acetylation. <i>Journal of Biological Chemistry</i> , 2006, 281, 39870-39880.	1.6	105
735	CNF1-induced Ubiquitylation and Proteasome Destruction of Activated RhoA Is Impaired in Smurf1- $\alpha$ Cells. <i>Molecular Biology of the Cell</i> , 2006, 17, 2489-2497.	0.9	57
736	The Tumor Suppressor KLF11 Mediates a Novel Mechanism in Transforming Growth Factor $\beta$ -Induced Growth Inhibition That Is Inactivated in Pancreatic Cancer. <i>Molecular Cancer Research</i> , 2006, 4, 861-872.	1.5	45
737	Int7G24A Variant of Transforming Growth Factor- $\beta$ Receptor Type I Is Associated with Invasive Breast Cancer. <i>Clinical Cancer Research</i> , 2006, 12, 392-397.	3.2	43
738	VEGF, a prosurvival factor, acts in concert with TGF- $\beta$ 1 to induce endothelial cell apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17260-17265.	3.3	142
739	The molecular genetics of Marfan syndrome and related disorders. <i>Journal of Medical Genetics</i> , 2006, 43, 769-787.	1.5	347
740	Immunohistochemical Localization of Bone Morphogenetic Protein-signaling Smads during Long-bone Distraction Osteogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 407-415.	1.3	36
741	Recombinant Protein Production in Mammalian Cell Culture. , 2005, , 1616-1620.		0
742	Smad6 Represses Dlx3 Transcriptional Activity through Inhibition of DNA Binding. <i>Journal of Biological Chemistry</i> , 2006, 281, 20357-20367.	1.6	14
743	Transforming Growth Factor $\beta$ 1 Stimulated DNA Synthesis in the Granulosa Cells of Preantral Follicles: Negative Interaction with Epidermal Growth Factor1. <i>Biology of Reproduction</i> , 2006, 75, 140-148.	1.2	11
744	Genomic analyses facilitate identification of receptors and signalling pathways for growth differentiation factor 9 and related orphan bone morphogenetic protein/growth differentiation factor ligands. <i>Human Reproduction Update</i> , 2006, 12, 373-383.	5.2	72

#	ARTICLE	IF	CITATIONS
745	Immunohistochemical Localization of $\beta$ -Smooth Muscle Actin During Rat Molar Tooth Development. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1371-1378.	1.3	43
746	The TGF $\beta$ 2 activated kinase TAK1 regulates vascular development in vivo. <i>Development (Cambridge)</i> , 2006, 133, 1529-1541.	1.2	118
747	Recombinant Protein Expression in Bacteria. , 2005, , 1609-1616.		0
748	Retroviruses. , 2005, , 1650-1655.		1
749	The Functional Role of Actin Cytoskeleton Dynamics and Signaling. <i>Advances in Molecular and Cell Biology</i> , 2006, , 181-200.	0.1	2
750	A $\beta$ trafficking control role for TGF $\beta$ 3: orchestrating dermal and epidermal cell motility during wound healing. <i>Journal of Cell Biology</i> , 2006, 172, 1093-1105.	2.3	149
751	Extracellular Signal-Regulated Kinase 1/2 Mitogen-Activated Protein Kinase Pathway Is Involved in Myostatin-Regulated Differentiation Repression. <i>Cancer Research</i> , 2006, 66, 1320-1326.	0.4	120
752	The Early-Immediate Gene EGR-1 Is Induced by Transforming Growth Factor- $\beta$ 2 and Mediates Stimulation of Collagen Gene Expression. <i>Journal of Biological Chemistry</i> , 2006, 281, 21183-21197.	1.6	153
753	Renal Bone Morphogenetic Protein-7 Protects against Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 2504-2512.	3.0	156
754	Endogenous Transforming Growth Factor- $\beta$ 2 Receptor-mediated Smad Signaling Complexes Analyzed by Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1245-1260.	2.5	17
755	Cooperation between Snail and LEF-1 Transcription Factors Is Essential for TGF- $\beta$ 1-induced Epithelial-Mesenchymal Transition. <i>Molecular Biology of the Cell</i> , 2006, 17, 1871-1879.	0.9	193
756	BMP4 Activation and Secretion Are Negatively Regulated by an Intracellular Gremlin-BMP4 Interaction. <i>Journal of Biological Chemistry</i> , 2006, 281, 29349-29356.	1.6	73
757	Receptor Serine/Threonine Kinases. , 2005, , 1603-1608.		1
758	The Diabetic Kidney. , 2006, , .		1
759	Bone Morphogenetic Protein-4 Control of Pituitary Pathophysiology. , 2006, 35, 22-31.		27
760	Cell-specificity of transforming growth factor- $\beta$ 2 response is dictated by receptor bioavailability. <i>Journal of Molecular Endocrinology</i> , 2006, 36, 591-600.	1.1	22
761	The Cysteine-Rich Domain Protein KCP Is a Suppressor of Transforming Growth Factor $\beta$ 2/Activin Signaling in Renal Epithelia. <i>Molecular and Cellular Biology</i> , 2006, 26, 4577-4585.	1.1	46
762	Smad5 determines murine amnion fate through the control of bone morphogenetic protein expression and signalling levels. <i>Development (Cambridge)</i> , 2006, 133, 3399-3409.	1.2	24

#	ARTICLE	IF	CITATIONS
763	Schnurri transcription factors from Drosophila and vertebrates can mediate Bmp signaling through a phylogenetically conserved mechanism. <i>Development (Cambridge)</i> , 2006, 133, 4025-4034.	1.2	49
764	Gonadectomy-induced Adrenocortical Neoplasia in the Domestic Ferret ( <i>Mustela putorius furo</i> ) and Laboratory Mouse. <i>Veterinary Pathology</i> , 2006, 43, 97-117.	0.8	82
765	Nanog binds to Smad1 and blocks bone morphogenetic protein-induced differentiation of embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10294-10299.	3.3	226
766	Structure of the ternary signaling complex of a TGF-beta superfamily member. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7643-7648.	3.3	227
767	Bioluminescence imaging of Smad signaling in living mice shows correlation with excitotoxic neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18326-18331.	3.3	75
768	A FoxO-Smad synexpression group in human keratinocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12747-12752.	3.3	221
769	Bone Morphogenetic Protein-2 Stimulates Runx2 Acetylation. <i>Journal of Biological Chemistry</i> , 2006, 281, 16502-16511.	1.6	303
770	Differential Roles of Glycogen Synthase Kinase-3 Isoforms in the Regulation of Transcriptional Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 30479-30484.	1.6	115
771	Transforming growth factor- $\beta$ 1-induced endothelial barrier dysfunction involves Smad2-dependent p38 activation and subsequent RhoA activation. <i>Journal of Applied Physiology</i> , 2006, 101, 375-384.	1.2	57
772	All in the family: TGF- $\beta$ 2 family action in testis development. <i>Reproduction</i> , 2006, 132, 233-246.	1.1	191
773	Inhibition of Growth and Metastasis of Mouse Mammary Carcinoma by Selective Inhibitor of Transforming Growth Factor- $\beta$ 2 Type I Receptor Kinase In vivo. <i>Clinical Cancer Research</i> , 2006, 12, 4315-4330.	3.2	137
774	TGF $\beta$ 2 Protein Processing and Activity through TCR Triggering of Primary CD8+ T Regulatory Cells. <i>Journal of Immunology</i> , 2006, 177, 6091-6097.	0.4	25
775	Systems theory of Smad signalling. <i>IET Systems Biology</i> , 2006, 153, 412.	2.0	48
776	Genetics of Pulmonary Arterial Hypertension. , 2006, , 50-65.		1
778	The Regulation of Self-Renewal in Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2006, 15, 729-740.	1.1	75
779	Deletion of Exon I of SMAD7 in Mice Results in Altered B Cell Responses. <i>Journal of Immunology</i> , 2006, 176, 6777-6784.	0.4	75
780	The divergent TGF- $\beta$ 2 ligand Dawdle utilizes an activin pathway to influence axon guidance in Drosophila. <i>Development (Cambridge)</i> , 2006, 133, 4981-4991.	1.2	61
781	Unique players in the BMP pathway: Small C-terminal domain phosphatases dephosphorylate Smad1 to attenuate BMP signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11940-11945.	3.3	117

#	ARTICLE	IF	CITATIONS
782	Identification of phosphatases for Smad in the BMP/DPP pathway. <i>Genes and Development</i> , 2006, 20, 648-653.	2.7	111
783	Oxidants Selectively Reverse TGF- $\beta$ 2 Suppression of Proinflammatory Mediator Production. <i>Journal of Immunology</i> , 2006, 176, 1209-1217.	0.4	36
784	Identification of Distinct Inhibin and Transforming Growth Factor $\beta$ 2-binding Sites on Betaglycan. <i>Journal of Biological Chemistry</i> , 2006, 281, 17011-17022.	1.6	71
785	TGF $\beta$ Type II Receptor Signaling Controls Schwann Cell Death and Proliferation in Developing Nerves. <i>Journal of Neuroscience</i> , 2006, 26, 8417-8427.	1.7	65
786	Sumoylated SnoN Represses Transcription in a Promoter-specific Manner. <i>Journal of Biological Chemistry</i> , 2006, 281, 33008-33018.	1.6	48
787	Transforming Growth Factor $\beta$ 2 (TGF- $\beta$ 2) Signaling Is Regulated by Electrical Activity in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 18473-18481.	1.6	25
788	Function of the Two <i>Xenopus</i> Smad4s in Early Frog Development. <i>Journal of Biological Chemistry</i> , 2006, 281, 30794-30803.	1.6	14
789	Cripto Binds Transforming Growth Factor $\beta$ 2 (TGF- $\beta$ 2) and Inhibits TGF- $\beta$ 2 Signaling. <i>Molecular and Cellular Biology</i> , 2006, 26, 9268-9278.	1.1	89
790	Monomeric and dimeric GDF-5 show equal type I receptor binding and oligomerization capability and have the same biological activity. <i>Biological Chemistry</i> , 2006, 387, 451-460.	1.2	19
791	Recombinant Protein Production in Yeast. , 2005, , 1620-1625.		0
792	Transforming Growth Factor $\beta$ 2 Suppresses Human Telomerase Reverse Transcriptase (hTERT) by Smad3 Interactions with c-Myc and the hTERT Gene. <i>Journal of Biological Chemistry</i> , 2006, 281, 25588-25600.	1.6	112
793	Epigenetic Inactivation of Betaig-h3 Gene in Human Cancer Cells. <i>Cancer Research</i> , 2006, 66, 4566-4573.	0.4	46
794	GDF15, a Cardioprotective TGF- $\beta$ 2 Superfamily Protein. <i>Circulation Research</i> , 2006, 98, 294-297.	2.0	139
795	Y-box Protein-1 Is the Crucial Mediator of Antifibrotic Interferon- $\beta$ 3 Effects. <i>Journal of Biological Chemistry</i> , 2006, 281, 1784-1795.	1.6	88
796	Transcriptional profiling of myostatin $\beta$ knockout mice implicates Wnt signaling in postnatal skeletal muscle growth and hypertrophy. <i>FASEB Journal</i> , 2006, 20, 580-582.	0.2	115
797	Post-transcriptional Control of Cited2 by Transforming Growth Factor $\beta$ 2. <i>Journal of Biological Chemistry</i> , 2006, 281, 18451-18462.	1.6	33
798	The pleiotropic roles of transforming growth factor beta in homeostasis and carcinogenesis of endocrine organs. <i>Endocrine-Related Cancer</i> , 2006, 13, 379-400.	1.6	45
799	Human Papillomavirus Type 5 E6 Oncoprotein Represses the Transforming Growth Factor $\beta$ 2 Signaling Pathway by Binding to SMAD3. <i>Journal of Virology</i> , 2006, 80, 12420-12424.	1.5	53

#	ARTICLE	IF	CITATIONS
800	An antagonistic role for the <i>C. elegans</i> Schnurri homolog SMA-9 in modulating TGF $\beta^2$ signaling during mesodermal patterning. <i>Development (Cambridge)</i> , 2006, 133, 2887-2896.	1.2	57
802	FTY720 Ameliorates Th1-Mediated Colitis in Mice by Directly Affecting the Functional Activity of CD4+CD25+ Regulatory T Cells. <i>Journal of Immunology</i> , 2007, 178, 2458-2468.	0.4	159
803	Differential Regulation of Epithelial and Mesenchymal Markers by $\beta$ 1 Proteins in Epithelial $\rightarrow$ Mesenchymal Transition Induced by TGF $\beta^2$ . <i>Molecular Biology of the Cell</i> , 2007, 18, 3533-3544.	0.9	310
804	Bone Morphogenetic Protein 2 Opposes Shh-mediated Proliferation in Cerebellar Granule Cells through a TIEG-1-based Regulation of Nmyc. <i>Journal of Biological Chemistry</i> , 2007, 282, 37170-37180.	1.6	59
805	3-Phosphoinositide-dependent PDK1 Negatively Regulates Transforming Growth Factor $\beta^2$ -induced Signaling in a Kinase-dependent Manner through Physical Interaction with Smad Proteins. <i>Journal of Biological Chemistry</i> , 2007, 282, 12272-12289.	1.6	38
806	Src Phosphorylates Tyr284 in TGF $\beta^2$ Type II Receptor and Regulates TGF $\beta^2$ Stimulation of p38 MAPK during Breast Cancer Cell Proliferation and Invasion. <i>Cancer Research</i> , 2007, 67, 3752-3758.	0.4	223
807	Stage-Specific Role of Endogenous Smad2 Activation in Cardiomyogenesis of Embryonic Stem Cells. <i>Circulation Research</i> , 2007, 101, 78-87.	2.0	30
808	von Willebrand Factor Type C Domain-containing Proteins Regulate Bone Morphogenetic Protein Signaling through Different Recognition Mechanisms. <i>Journal of Biological Chemistry</i> , 2007, 282, 20002-20014.	1.6	97
809	Endofin, a FYVE Domain Protein, Interacts with Smad4 and Facilitates Transforming Growth Factor $\beta^2$ Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 9688-9695.	1.6	65
810	Requirement for the Dynein Light Chain km23-1 in a Smad2-dependent Transforming Growth Factor $\beta^2$ Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2007, 282, 19122-19132.	1.6	33
811	Repulsive Guidance Molecule RGMA Alters Utilization of Bone Morphogenetic Protein (BMP) Type II Receptors by BMP2 and BMP4. <i>Journal of Biological Chemistry</i> , 2007, 282, 18129-18140.	1.6	91
812	TAK1 MAPK Kinase Kinase Mediates Transforming Growth Factor $\beta^2$ Signaling by Targeting SnoN Oncoprotein for Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 9475-9481.	1.6	36
813	Inhibition of Allergen-Induced Airway Remodeling in Smad 3-Deficient Mice. <i>Journal of Immunology</i> , 2007, 178, 7310-7316.	0.4	101
814	Structural and Biophysical Coupling of Heparin and Activin Binding to Follistatin Isoform Functions. <i>Journal of Biological Chemistry</i> , 2007, 282, 15930-15939.	1.6	60
815	Expression and activation of TGF $\beta$ isoforms in acute allergen-induced remodelling in asthma. <i>Thorax</i> , 2007, 62, 307-313.	2.7	84
816	Small-molecule-mediated rescue of protein function by an inducible proteolytic shunt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11209-11214.	3.3	88
817	Competition between Ski and CREB-binding Protein for Binding to Smad Proteins in Transforming Growth Factor $\beta^2$ Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 11365-11376.	1.6	33
818	TGF $\beta^1$ stimulates human AT1 receptor expression in lung fibroblasts by cross talk between the Smad, p38 MAPK, JNK, and PI3K signaling pathways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L790-L799.	1.3	76

#	ARTICLE	IF	CITATIONS
819	TGF- $\beta$ 2 and atherosclerosis in man. <i>Cardiovascular Research</i> , 2007, 74, 213-222.	1.8	127
820	Phosphorylation of the Cyclic AMP Response Element Binding Protein Mediates Transforming Growth Factor $\beta$ 2-Induced Downregulation of Cyclin A in Vascular Smooth Muscle Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 3489-3498.	1.1	25
821	TGF- $\beta$ 2 signaling and its effect on glutaminase expression in LLC-PK1-FBPase+ cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F846-F853.	1.3	11
822	BMP7 is a podocyte survival factor and rescues podocytes from diabetic injury. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1641-F1648.	1.3	78
823	Expression of messenger RNA for transforming growth factor-beta1 and for transforming growth factor-beta receptors in peripheral blood of systemic lupus erythematosus patients treated with low doses of quinagolide. <i>Autoimmunity</i> , 2007, 40, 23-30.	1.2	9
824	Peroxisome Proliferator-Activated Receptor- $\beta$ 3 (PPAR- $\beta$ 3) Agonists Attenuate the Profibrotic Response Induced by TGF- $\beta$ 21 in Renal Interstitial Fibroblasts. <i>Mediators of Inflammation</i> , 2007, 2007, 1-7.	1.4	49
825	ERK signaling is a central regulator for BMP-4 dependent capillary sprouting. <i>Cardiovascular Research</i> , 2007, 76, 390-399.	1.8	79
826	Activation of elastin transcription by transforming growth factor- $\beta$ 2 in human lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L944-L952.	1.3	69
827	Overexpression of human bone morphogenetic protein receptor 2 does not ameliorate monocrotaline pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L872-L878.	1.3	72
828	Interference with TGF- $\beta$ 2 signaling by Smad3-knockout in mice limits diabetic glomerulosclerosis without affecting albuminuria. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1657-F1665.	1.3	110
829	Understanding the role of transforming growth factor- $\beta$ 21 in intimal thickening after vascular injury. <i>Cardiovascular Research</i> , 2007, 74, 223-234.	1.8	97
830	Smooth muscle cell-specific transcription is regulated by nuclear localization of the myocardin-related transcription factors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1170-H1180.	1.5	90
831	Msk is required for nuclear import of TGF- $\beta$ 2/BMP-activated Smads. <i>Journal of Cell Biology</i> , 2007, 178, 981-994.	2.3	72
832	Myocardial Smad4 Is Essential for Cardiogenesis in Mouse Embryos. <i>Circulation Research</i> , 2007, 101, 277-285.	2.0	59
833	Smad4 is critical for self-renewal of hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2007, 204, 467-474.	4.2	114
834	Activin receptor subunits in normal and dysfunctional adult human testis. <i>Human Reproduction</i> , 2007, 23, 412-420.	0.4	31
835	The MH1 domain of Smad3 interacts with Pax6 and represses autoregulation of the Pax6 P1 promoter. <i>Nucleic Acids Research</i> , 2007, 35, 890-901.	6.5	44
836	Drosophila Nemo antagonizes BMP signaling by phosphorylation of Mad and inhibition of its nuclear accumulation. <i>Development (Cambridge)</i> , 2007, 134, 2061-2071.	1.2	57

#	ARTICLE	IF	CITATIONS
837	Inhibition of Restenosis Development after Mechanical Injury: A New Field of Application for Malononitrilamides?. <i>Cardiology</i> , 2007, 108, 128-137.	0.6	8
838	Mechanistic Exploration of Phthalimide Neovascular Factor 1 Using Network Analysis Tools. <i>Tissue Engineering</i> , 2007, 13, 2561-2575.	4.9	11
839	Transforming Growth Factor $\hat{1}^2$ Is a Critical Regulator of Adult Human Islet Plasticity. <i>Molecular Endocrinology</i> , 2007, 21, 1467-1477.	3.7	23
840	Inhibin A and B in Vitro Bioactivities Are Modified by Their Degree of Glycosylation and Their Affinities to Betaglycan. <i>Endocrinology</i> , 2007, 148, 2309-2316.	1.4	47
841	Imbalance of Receptor-Regulated and Inhibitory Smads in Lung Fibroblasts from Bleomycin-Exposed Rats. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 206-212.	1.4	14
842	Skin involvement in scleroderma—where histological and clinical scores meet. <i>Rheumatology</i> , 2007, 46, 833-841.	0.9	123
843	Morphogens and the Control of Cell Proliferation and Patterning in the Spinal Cord. <i>Cell Cycle</i> , 2007, 6, 2640-2649.	1.3	189
844	Development of a Rabbit Monoclonal Antibody Group Against Smads and Immunocytochemical Study of Human and Mouse Embryonic Stem Cells. <i>Hybridoma</i> , 2007, 26, 387-392.	0.5	17
845	Anti-Apoptotic Effect of Sphingosine-1-Phosphate and Platelet-Derived Growth Factor in Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2007, 16, 989-1002.	1.1	60
846	Co-option of Signaling Mechanisms from Neural Induction to Telencephalic Patterning. <i>Reviews in the Neurosciences</i> , 2007, 18, 311-42.	1.4	22
847	Transforming growth factor- $\hat{1}^2$ receptor III downregulation in prostate cancer: is inhibin B a tumor suppressor in prostate?. <i>Journal of Molecular Endocrinology</i> , 2007, 39, 329-332.	1.1	19
848	TrkC Binds to the Bone Morphogenetic Protein Type II Receptor to Suppress Bone Morphogenetic Protein Signaling. <i>Cancer Research</i> , 2007, 67, 9869-9877.	0.4	33
849	The TFIID subunit TAF4 regulates keratinocyte proliferation and has cell-autonomous and non-cell-autonomous tumour suppressor activity in mouse epidermis. <i>Development (Cambridge)</i> , 2007, 134, 2947-2958.	1.2	28
850	FSTL3 deletion reveals roles for TGF-beta family ligands in glucose and fat homeostasis in adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1348-1353.	3.3	139
851	SMAD3 prevents binding of NKX2.1 and FOXA1 to the SpB promoter through its MH1 and MH2 domains. <i>Nucleic Acids Research</i> , 2007, 36, 179-188.	6.5	32
852	A Unique Element in the Cytoplasmic Tail of the Type II Transforming Growth Factor- $\hat{1}^2$ Receptor Controls Basolateral Delivery. <i>Molecular Biology of the Cell</i> , 2007, 18, 3788-3799.	0.9	25
853	Negative regulation of Activin/Nodal signaling by SRF during <i>Xenopus</i> gastrulation. <i>Development (Cambridge)</i> , 2007, 134, 769-777.	1.2	17
854	Activation of Mps1 Promotes Transforming Growth Factor- $\hat{1}^2$ -independent Smad Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 18327-18338.	1.6	60

#	ARTICLE	IF	CITATIONS
855	Stable Overexpression of Smad7 in Human Melanoma Cells Impairs Bone Metastasis. <i>Cancer Research</i> , 2007, 67, 2317-2324.	0.4	187
856	Fibrillin-1 regulates the bioavailability of TGF $\beta$ 1. <i>Journal of Cell Biology</i> , 2007, 176, 355-367.	2.3	263
857	Arkadia Induces Degradation of SnoN and c-Ski to Enhance Transforming Growth Factor- $\beta$ 2 Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 20492-20501.	1.6	148
858	Identification of protein interaction antagonists using the repressed transactivator two-hybrid system. <i>BioTechniques</i> , 2007, 42, 635-644.	0.8	22
859	Dynamic Decapentaplegic signaling regulates patterning and adhesion in the Drosophila pupal retina. <i>Development (Cambridge)</i> , 2007, 134, 1861-1871.	1.2	36
860	The Type III Transforming Growth Factor- $\beta$ 2 Receptor as a Novel Tumor Suppressor Gene in Prostate Cancer. <i>Cancer Research</i> , 2007, 67, 1090-1098.	0.4	167
861	Sonic hedgehog signaling promotes motility and invasiveness of gastric cancer cells through TGF- $\beta$ -mediated activation of the ALK5-Smad 3 pathway. <i>Carcinogenesis</i> , 2007, 29, 480-490.	1.3	147
862	FAK Is Required for TGF $\beta$ 2-induced JNK Phosphorylation in Fibroblasts: Implications for Acquisition of a Matrix-remodeling Phenotype. <i>Molecular Biology of the Cell</i> , 2007, 18, 2169-2178.	0.9	118
863	Signaling by ALK5 mediates TGF- $\beta$ 2-induced ET-1 expression in endothelial cells: a role for migration and proliferation. <i>Journal of Cell Science</i> , 2007, 120, 1256-1266.	1.2	86
864	Cx43 Mediates TGF- $\beta$ 2 Signaling through Competitive Smads Binding to Microtubules. <i>Molecular Biology of the Cell</i> , 2007, 18, 2264-2273.	0.9	91
865	Moderate Pulmonary Arterial Hypertension in Male Mice Lacking the Vasoactive Intestinal Peptide Gene. <i>Circulation</i> , 2007, 115, 1260-1268.	1.6	163
866	$\beta$ 2-Catenin/LEF-1 Signalling in Breast Cancer " Central Players Activated by a Plethora of Inputs. <i>Cells Tissues Organs</i> , 2007, 185, 51-60.	1.3	17
867	Smad7 Antagonizes Transforming Growth Factor $\beta$ 2 Signaling in the Nucleus by Interfering with Functional Smad-DNA Complex Formation. <i>Molecular and Cellular Biology</i> , 2007, 27, 4488-4499.	1.1	220
868	Presynaptic Contributions of Chordin to Hippocampal Plasticity and Spatial Learning. <i>Journal of Neuroscience</i> , 2007, 27, 7740-7750.	1.7	58
869	Mechanisms underlying TGF- $\beta$ 1-induced expression of VEGF and Flk-1 in mouse macrophages and their implications for angiogenesis. <i>Journal of Leukocyte Biology</i> , 2007, 81, 557-566.	1.5	127
870	BMP signalling inhibits premature neural differentiation in the mouse embryo. <i>Development (Cambridge)</i> , 2007, 134, 3359-3369.	1.2	142
871	Endo-fin-ally a SARA for BMP receptors. <i>Journal of Cell Science</i> , 2007, 120, 1153-1155.	1.2	10
872	Transforming Growth Factor- $\beta$ 2 Promotes Survival of Mammary Carcinoma Cells through Induction of Antiapoptotic Transcription Factor DEC1. <i>Cancer Research</i> , 2007, 67, 9694-9703.	0.4	90



#	ARTICLE	IF	CITATIONS
873	ANP signaling inhibits TGF- $\beta$ -induced Smad2 and Smad3 nuclear translocation and extracellular matrix expression in rat pulmonary arterial smooth muscle cells. <i>Journal of Applied Physiology</i> , 2007, 102, 390-398.	1.2	58
874	Bone Morphogenetic Proteins. , 0, , 19-33.		0
876	Glutathione suppresses TGF- $\beta$ -induced PAI-1 expression by inhibiting p38 and JNK MAPK and the binding of AP-1, SP-1, and Smad to the PAI-1 promoter. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L1281-L1292.	1.3	83
878	Expression of connective tissue growth factor in pancreatic cancer cell lines. <i>International Journal of Oncology</i> , 2007, 31, 693.	1.4	10
879	Pattern Recognition Receptors: From the Cell Surface to Intracellular Dynamics. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 1031-1039.	1.4	102
880	Mice develop normally in the absence of Smad4 nucleocytoplasmic shuttling. <i>Biochemical Journal</i> , 2007, 404, 235-245.	1.7	16
881	Iron transferrin regulates hepcidin synthesis in primary hepatocyte culture through hemojuvelin and BMP2/4. <i>Blood</i> , 2007, 110, 2182-2189.	0.6	235
882	Resistance to TGF- $\beta$ 1 correlates with aberrant expression of TGF- $\beta$ receptor II in human B-cell lymphoma cell lines. <i>Blood</i> , 2007, 109, 5301-5307.	0.6	22
883	Identification of BMP9 and BMP10 as functional activators of the orphan activin receptor-like kinase 1 (ALK1) in endothelial cells. <i>Blood</i> , 2007, 109, 1953-1961.	0.6	603
884	Understanding the extrinsic and intrinsic signals involved in pancreas and $\beta$ -cell development: from endoderm to $\beta$ cells. <i>Current Opinion in Organ Transplantation</i> , 2007, 12, 40-48.	0.8	3
885	Paeoniflorin inhibits TGF- $\beta$ 1-mediated collagen production by <i>Schistosoma japonicum</i> soluble egg antigen in vitro. <i>Parasitology</i> , 2007, 134, 1611-1621.	0.7	35
886	Regulation of brassinosteroid signaling. <i>Trends in Plant Science</i> , 2007, 12, 37-41.	4.3	154
887	Essential functions of Alk3 during AV cushion morphogenesis in mouse embryonic hearts. <i>Developmental Biology</i> , 2007, 301, 276-286.	0.9	78
888	Sp-Smad2/3 mediates patterning of neurogenic ectoderm by nodal in the sea urchin embryo. <i>Developmental Biology</i> , 2007, 302, 494-503.	0.9	46
889	Nodal signaling activates differentiation genes during zebrafish gastrulation. <i>Developmental Biology</i> , 2007, 304, 525-540.	0.9	75
890	TGF- $\beta$ isoform signaling regulates secondary transition and mesenchymal-induced endocrine development in the embryonic mouse pancreas. <i>Developmental Biology</i> , 2007, 305, 508-521.	0.9	53
891	Zebrafish Bmp4 regulates left-right asymmetry at two distinct developmental time points. <i>Developmental Biology</i> , 2007, 305, 577-588.	0.9	147
892	Endoglin is required for myogenic differentiation potential of neural crest stem cells. <i>Developmental Biology</i> , 2007, 308, 520-533.	0.9	49

#	ARTICLE	IF	CITATIONS
893	An early requirement for maternal FoxH1 during zebrafish gastrulation. <i>Developmental Biology</i> , 2007, 310, 10-22.	0.9	50
894	Distinct and cooperative roles of mammalian Vg1 homologs GDF1 and GDF3 during early embryonic development. <i>Developmental Biology</i> , 2007, 311, 500-511.	0.9	82
895	Nuclear reprogramming and pluripotency of embryonic cells: Application to the isolation of embryonic stem cells in farm animals. <i>Theriogenology</i> , 2007, 68, S196-S205.	0.9	17
896	The BMP Ligand Gbb Gates the Expression of Synaptic Homeostasis Independent of Synaptic Growth Control. <i>Neuron</i> , 2007, 56, 109-123.	3.8	115
897	The Regulation of Cellular Iron Metabolism. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2007, 44, 413-459.	2.7	143
898	Activation of growth factor receptors in pancreatic cancer. <i>American Journal of Surgery</i> , 2007, 194, S76-S83.	0.9	1
899	Cross-talk between Smad and p38 MAPK signalling in transforming growth factor $\beta$ 2 signal transduction in human glioblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 1101-1106.	1.0	50
900	Deficient Alk3-mediated BMP signaling causes prenatal omphalocele-like defect. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 238-243.	1.0	19
901	Suppression of MafA-dependent transcription by transforming growth factor- $\beta$ 2 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 151-156.	1.0	7
902	Inhibition of RhoA/Rho-kinase pathway suppresses the expression of type I collagen induced by TGF- $\beta$ 2 in human retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2007, 84, 464-472.	1.2	54
903	Smad3 null mice display more rapid wound closure and reduced scar formation after a stab wound to the cerebral cortex. <i>Experimental Neurology</i> , 2007, 203, 168-184.	2.0	79
904	Integrating Patterning Signals: Wnt/GSK3 Regulates the Duration of the BMP/Smad1 Signal. <i>Cell</i> , 2007, 131, 980-993.	13.5	483
905	Identification of peptide inhibitors of transforming growth factor beta 1 using a phage-displayed peptide library. <i>Cytokine</i> , 2007, 39, 106-115.	1.4	69
906	TGF- $\beta$ 1: a novel target for cardiovascular pharmacology. <i>Cytokine and Growth Factor Reviews</i> , 2007, 18, 279-286.	3.2	38
907	IFN- $\gamma$ abrogates profibrogenic TGF- $\beta$ 2 signaling in liver by targeting expression of inhibitory and receptor Smads. <i>Journal of Hepatology</i> , 2007, 46, 295-303.	1.8	132
908	Differential Ubiquitination of Smad1 Mediated by CHIP: Implications in the Regulation of the Bone Morphogenetic Protein Signaling Pathway. <i>Journal of Molecular Biology</i> , 2007, 374, 777-790.	2.0	25
909	Chronic hyperglycaemia increases TGF- $\beta$ 2 signaling and the expression of extracellular matrix proteins in the rat parotid gland. <i>Matrix Biology</i> , 2007, 26, 572-582.	1.5	14
910	Octreotide induces apoptosis in the oxyntic mucosa. <i>Molecular and Cellular Endocrinology</i> , 2007, 264, 188-196.	1.6	7

#	ARTICLE	IF	CITATIONS
911	BMP6 is axonally transported by motoneurons and supports their survival in vitro. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 653-661.	1.0	21
912	Oxygen tension controls the expansion of human CNS precursors and the generation of astrocytes and oligodendrocytes. <i>Molecular and Cellular Neurosciences</i> , 2007, 35, 424-435.	1.0	146
913	Balancing BMP Signaling through Integrated Inputs into the Smad1 Linker. <i>Molecular Cell</i> , 2007, 25, 441-454.	4.5	381
914	Lower expression levels of the transforming growth factor beta receptor type II protein are associated with a less aggressive tumor phenotype and improved survival among patients with clear cell renal cell carcinoma. <i>Human Pathology</i> , 2007, 38, 453-461.	1.1	11
915	Loss-of-Function Mutations in Growth Differentiation Factor-1 (GDF1) Are Associated with Congenital Heart Defects in Humans. <i>American Journal of Human Genetics</i> , 2007, 81, 987-994.	2.6	119
916	Niche-mediated control of human embryonic stem cell self-renewal and differentiation. <i>EMBO Journal</i> , 2007, 26, 4744-4755.	3.5	365
917	Termination of TGF- $\beta$ Superfamily Signaling Through SMAD Dephosphorylation—A Functional Genomic View. <i>Journal of Genetics and Genomics</i> , 2007, 34, 1-9.	1.7	13
918	Transforming Growth Factor- $\beta$ Signaling in Normal and Malignant Hematopoiesis. <i>Journal of Interferon and Cytokine Research</i> , 2007, 27, 543-552.	0.5	47
919	Genetics and Mediators in Pulmonary Arterial Hypertension. <i>Clinics in Chest Medicine</i> , 2007, 28, 43-57.	0.8	48
920	Cell size and invasion in TGF- $\beta$ -induced epithelial to mesenchymal transition is regulated by activation of the mTOR pathway. <i>Journal of Cell Biology</i> , 2007, 178, 437-451.	2.3	505
921	The role of TGF- $\beta$ signaling in myocardial infarction and cardiac remodeling. <i>Cardiovascular Research</i> , 2007, 74, 184-195.	1.8	800
922	Interactome of Transforming Growth Factor- $\beta$ Type I Receptor (T $\beta$ RI): Inhibition of TGF $\beta$ Signaling by Epac1. <i>Journal of Proteome Research</i> , 2007, 6, 287-297.	1.8	34
923	Development and validation of a phosphorylated SMADex vivostimulation assay. <i>Biomarkers</i> , 2007, 12, 313-330.	0.9	21
924	Differential expression of TGFBR3 (betaglycan) in mouse ovary and testis during gonadogenesis. <i>Growth Factors</i> , 2007, 25, 334-345.	0.5	37
925	Novel Mutations in Smad Proteins That Inhibit Signaling by the Transforming Growth Factor $\beta$ in Mammalian Cells. <i>Biochemistry</i> , 2007, 46, 13775-13786.	1.2	7
926	Proteomics-Based Strategy To Delineate the Molecular Mechanisms of the Metastasis Suppressor Gene BRMS1. <i>Journal of Proteome Research</i> , 2007, 6, 4006-4018.	1.8	37
927	BMP-3 and BMP-6 Structures Illuminate the Nature of Binding Specificity with Receptors. <i>Biochemistry</i> , 2007, 46, 12238-12247.	1.2	96
928	Acteoside inhibits human promyelocytic HL-60 leukemia cell proliferation via inducing cell cycle arrest at G0/G1 phase and differentiation into monocyte. <i>Carcinogenesis</i> , 2007, 28, 1928-1936.	1.3	86

#	ARTICLE	IF	CITATIONS
930	Basics of TGF- $\beta$ and Pancreatic Cancer. <i>Pancreatology</i> , 2007, 7, 423-435.	0.5	141
931	<i>Drosophila</i> SnoN modulates growth and patterning by antagonizing TGF- $\beta$ signalling. <i>Mechanisms of Development</i> , 2007, 124, 304-317.	1.7	14
932	The <i>Xenopus</i> POU class V transcription factor XOct-25 inhibits ectodermal competence to respond to bone morphogenetic protein-mediated embryonic induction. <i>Mechanisms of Development</i> , 2007, 124, 840-855.	1.7	20
933	Functional role of Meox2 during the epithelial cyostatic response to TGF- $\beta$ . <i>Molecular Oncology</i> , 2007, 1, 55-71.	2.1	35
934	Controversy surrounding the increased expression of TGF- $\beta$ 1 in asthma. <i>Respiratory Research</i> , 2007, 8, 66.	1.4	43
935	Large Hepatitis Delta Antigen Modulates Transforming Growth Factor- $\beta$ Signaling Cascades: Implication of Hepatitis Delta Virus-Induced Liver Fibrosis. <i>Gastroenterology</i> , 2007, 132, 343-357.	0.6	61
936	Multiple Transforming Growth Factor- $\beta$ Isoforms and Receptors Function during Epithelial-Mesenchymal Cell Transformation in the Embryonic Heart. <i>Cells Tissues Organs</i> , 2007, 185, 146-156.	1.3	133
937	TGF- $\beta$ in Renal Injury and Disease. <i>Seminars in Nephrology</i> , 2007, 27, 309-320.	0.6	320
938	Pituitary Action of Cytokines: Focus on BMP-4 and gp130 Family. <i>Neuroendocrinology</i> , 2007, 85, 94-100.	1.2	16
939	Complexity in Interpretation of Embryonic Epithelial-Mesenchymal Transition in Response to Transforming Growth Factor- $\beta$ Signaling. <i>Cells Tissues Organs</i> , 2007, 185, 131-145.	1.3	28
940	Signaling and Glycoproteins. , 2007, , 249-266.		0
941	Transforming growth factor- $\beta$ and fibrosis. <i>World Journal of Gastroenterology</i> , 2007, 13, 3056.	1.4	438
942	Transforming Growth Factor- $\beta$ and the Endothelium. , 2007, , 304-323.		0
943	The Influence of Dietary Salt Intake on Endothelial Cell Function. , 0, , 1287-1293.		0
944	Cellular and Molecular Pathophysiology of Idiopathic Pulmonary Arterial Hypertension. <i>Tuberculosis and Respiratory Diseases</i> , 2007, 63, 475.	0.7	0
945	Presynaptic Terminal Differentiation. , 2007, , 75-94.		0
946	Hereditary Hemorrhagic Telangiectasia: A Model to Probe the Biology of the Vascular Endothelium. , 2007, , 1113-1123.		1
947	TMEPAI, a transmembrane TGF- $\beta$ -inducible protein, sequesters Smad proteins in TGF- $\beta$ signaling. <i>Nature Precedings</i> , 2007, , .	0.1	0

#	ARTICLE	IF	CITATIONS
948	Deconstructing digit chondrogenesis. <i>BioEssays</i> , 2007, 29, 725-737.	1.2	27
949	Postnatal induction of transforming growth factor $\beta$ signaling in fibroblasts of mice recapitulates clinical, histologic, and biochemical features of scleroderma. <i>Arthritis and Rheumatism</i> , 2007, 56, 334-344.	6.7	174
950	Interleukin-1 $\beta$ impairment of transforming growth factor $\beta$ 1 signaling by DOWNREGULATION of transforming growth factor $\beta$ 2 receptor type II and upregulation of Smad7 in human articular chondrocytes. <i>Arthritis and Rheumatism</i> , 2007, 56, 3020-3032.	6.7	66
951	Mechanotransduction of bovine articular cartilage superficial zone protein by transforming growth factor $\beta$ signaling. <i>Arthritis and Rheumatism</i> , 2007, 56, 3706-3714.	6.7	129
952	Bacteria- and host-derived mechanisms to control intestinal epithelial cell homeostasis: Implications for chronic inflammation. <i>Inflammatory Bowel Diseases</i> , 2007, 13, 1153-1164.	0.9	91
953	Dynamic stromal-epithelial interactions during progression of MCF10DCIS.com xenografts. <i>International Journal of Cancer</i> , 2007, 120, 2127-2134.	2.3	60
954	Transforming growth factor $\beta$ signaling in cancer invasion and metastasis. <i>International Journal of Cancer</i> , 2007, 121, 2119-2124.	2.3	179
955	Elevation of transforming growth factor beta (TGF $\beta$ ) and its downstream mediators in subcutaneous foreign body capsule tissue. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 498-508.	2.1	34
956	Mechanisms of metastasis: Epithelial-to-mesenchymal transition and contribution of tumor microenvironment. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 816-829.	1.2	306
957	TGF $\beta$ signaling: A tale of two responses. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 593-608.	1.2	337
958	Novel biochemical pathways of endoglin in vascular cell physiology. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 1375-1388.	1.2	115
959	Connective tissue growth factor (CTGF) acts as a downstream mediator of TGF $\beta$ 1 to induce mesenchymal cell condensation. <i>Journal of Cellular Physiology</i> , 2007, 210, 398-410.	2.0	102
960	Endoglin increases eNOS expression by modulating Smad2 protein levels and Smad2-dependent TGF $\beta$ signaling. <i>Journal of Cellular Physiology</i> , 2007, 210, 456-468.	2.0	101
961	BMP4 and Noggin signaling modulate dorsal fin and somite development in the axolotl trunk. <i>Developmental Dynamics</i> , 2007, 236, 2464-2474.	0.8	13
962	The TGF $\beta$ pseudoreceptor gene <i>Bambi</i> is dispensable for mouse embryonic development and postnatal survival. <i>Genesis</i> , 2007, 45, 482-486.	0.8	42
963	TGF $\beta$ 1/SMAD signaling induces astrocyte fate commitment in vitro: Implications for radial glia development. <i>Glia</i> , 2007, 55, 1023-1033.	2.5	100
964	Transforming growth factor-beta differentially regulates oval cell and hepatocyte proliferation. <i>Hepatology</i> , 2007, 45, 31-41.	3.6	130
965	Profibrogenic transforming growth factor- $\beta$ /activin receptor-like kinase 5 signaling via connective tissue growth factor expression in hepatocytes. <i>Hepatology</i> , 2007, 46, 1257-1270.	3.6	109

#	ARTICLE	IF	CITATIONS
966	Small bowel carcinoid (enterochromaffin cell) neoplasia exhibits transforming growth factor- $\beta$ 1-mediated regulatory abnormalities including up-regulation of C-Myc and MTA1. <i>Cancer</i> , 2007, 109, 2420-2431.	2.0	46
967	Decreased focal inflammatory response by G-CSF may improve stroke outcome after transient middle cerebral artery occlusion in rats. <i>Journal of Neuroscience Research</i> , 2007, 85, 2167-2174.	1.3	49
968	The role of TGF- $\beta$ 2 superfamily during T cell development: new insights. <i>Immunology Letters</i> , 2007, 109, 1-12.	1.1	36
969	A rapid and sensitive bioassay to measure bone morphogenetic protein activity. <i>BMC Cell Biology</i> , 2007, 8, 41.	3.0	69
970	Low concentrations of transforming growth factor-beta-1 induce tubulogenesis in cultured mammary epithelial cells. <i>BMC Developmental Biology</i> , 2007, 7, 7.	2.1	28
971	A silent H-bond can be mutationally activated for high-affinity interaction of BMP-2 and activin type IIB receptor. <i>BMC Structural Biology</i> , 2007, 7, 6.	2.3	129
972	Antagonism between Notch and bone morphogenetic protein receptor signaling regulates neurogenesis in the cerebellar rhombic lip. <i>Neural Development</i> , 2007, 2, 5.	1.1	78
973	Role of RGM coreceptors in bone morphogenetic protein signaling. <i>Journal of Molecular Signaling</i> , 2007, 2, 4.	0.5	47
974	A genomic view of TGF- $\beta$ 2 signal transduction in an invertebrate deuterostome organism and lessons from the functional analyses of Nodal and BMP2/4 during sea urchin development. <i>Signal Transduction</i> , 2007, 7, 187-206.	0.7	2
975	Signaling through the high affinity IgE receptor and conditions able to modify IgE-antigen responsiveness of mast cells. <i>Signal Transduction</i> , 2007, 7, 402-414.	0.7	3
976	TGFBR3 loss and consequences in prostate cancer. <i>Prostate</i> , 2007, 67, 301-311.	1.2	68
977	SRF is a nuclear repressor of Smad3-mediated TGF- $\beta$ 2 signaling. <i>Oncogene</i> , 2007, 26, 173-185.	2.6	33
978	Endoglin inhibits prostate cancer motility via activation of the ALK2-Smad1 pathway. <i>Oncogene</i> , 2007, 26, 7240-7250.	2.6	61
979	Loss of GLIS2 causes nephronophthisis in humans and mice by increased apoptosis and fibrosis. <i>Nature Genetics</i> , 2007, 39, 1018-1024.	9.4	221
980	TGF- $\beta$ 2 signalling in control of T-cell-mediated self-reactivity. <i>Nature Reviews Immunology</i> , 2007, 7, 443-453.	10.6	290
981	TGF- $\beta$ 2- $\beta$ SMAD signal transduction: molecular specificity and functional flexibility. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 970-982.	16.1	1,129
982	Smad3 Signal Transducer Regulates Skin Inflammation and Specific IgE Response in Murine Model of Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1923-1929.	0.3	34
983	Antisense extracellular signal-regulated kinase-2 gene therapy inhibits platelet-derived growth factor-induced proliferation, migration and transforming growth factor- $\beta$ 1 expression in vascular smooth muscle cells and attenuates transplant vasculopathy. <i>Transplant International</i> , 2007, 21, 071010023823002-???	0.8	15

#	ARTICLE	IF	CITATIONS
984	Bone morphogenetic protein-2/4 signalling pathway components are expressed in the human thymus and inhibit early T-cell development. <i>Immunology</i> , 2007, 121, 94-104.	2.0	50
985	The transforming growth factor- $\beta$ superfamily in early spermatogenesis: potential relevance to testicular dysgenesis. <i>Journal of Developmental and Physical Disabilities</i> , 2007, 30, 377-384.	3.6	36
986	Photoageing: mechanism, prevention and therapy. <i>British Journal of Dermatology</i> , 2007, 157, 874-887.	1.4	602
987	Altered endothelial gene expression associated with hereditary haemorrhagic telangiectasia. <i>European Journal of Clinical Investigation</i> , 2007, 37, 580-588.	1.7	23
988	Ki26894, a novel transforming growth factor- $\beta$ type I receptor kinase inhibitor, inhibits in vitro invasion and in vivo bone metastasis of a human breast cancer cell line. <i>Cancer Science</i> , 2007, 98, 127-133.	1.7	173
989	Transforming growth factor- $\beta$ 1 up-regulates the expression of nerve growth factor through mitogen-activated protein kinase signaling pathways in dental pulp cells. <i>European Journal of Oral Sciences</i> , 2007, 115, 57-63.	0.7	26
990	What MAN1 does to the Smads. <i>FEBS Journal</i> , 2007, 274, 1374-1382.	2.2	49
991	Bone morphogenetic protein signaling in stem cells— $\beta$ 1 signal, many consequences. <i>FEBS Journal</i> , 2007, 274, 2968-2976.	2.2	37
992	Identification and characterization of an $\alpha$ 5 Smad ortholog (SmSmad1B) from <i>Schistosoma mansoni</i> . <i>FEBS Journal</i> , 2007, 274, 4075-4093.	2.2	16
993	Effect of TGF- $\beta$ /Smad signaling pathway on lung myofibroblast differentiation. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 382-391.	2.8	147
994	Computational selection and prioritization of candidate genes for Fetal Alcohol Syndrome. <i>BMC Genomics</i> , 2007, 8, 389.	1.2	36
995	Visualizing Smad1/4 signaling response to bone morphogenetic Protein-4 activation by FRET biosensors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1759-1773.	1.9	11
996	Actions of TGF- $\beta$ 2 as tumor suppressor and pro-metastatic factor in human cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 21-62.	3.3	350
997	Expression and genomic profiling of colorectal cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 103-137.	3.3	77
998	The anticancer agent prodigiosin induces p21WAF1/CIP1 expression via transforming growth factor-beta receptor pathway. <i>Biochemical Pharmacology</i> , 2007, 74, 1340-1349.	2.0	43
999	Altered transforming growth factor- $\beta$ 2 pathway expression pattern in rat endometrial cancer. <i>Cancer Genetics and Cytogenetics</i> , 2007, 177, 43-50.	1.0	5
1000	Signaling on the endocytic pathway. <i>Current Opinion in Cell Biology</i> , 2007, 19, 436-445.	2.6	247
1001	Requirement of phosphatidylinositol 3-kinase/Akt signaling pathway for regulation of tissue inhibitor of metalloproteinases-3 gene expression by TGF- $\beta$ 2 in human chondrocytes. <i>Cellular Signalling</i> , 2007, 19, 1643-1651.	1.7	64

#	ARTICLE	IF	CITATIONS
1002	Regulation of myostatin signaling by c-Jun N-terminal kinase in C2C12 cells. <i>Cellular Signalling</i> , 2007, 19, 2286-2295.	1.7	76
1003	<i>Schistosoma mansoni</i> : TGF- $\beta$ signaling pathways. <i>Experimental Parasitology</i> , 2007, 117, 304-317.	0.5	80
1004	Activin- $\beta$ 2A Signaling Is Required for Zebrafish Fin Regeneration. <i>Current Biology</i> , 2007, 17, 1390-1395.	1.8	137
1006	Expression of the TGF- $\beta$ /BMP inhibitor EVI1 in human dental pulp cells. <i>Archives of Oral Biology</i> , 2007, 52, 712-719.	0.8	9
1007	Immunohistochemical study of hard tissue formation in the rat pulp cavity after tooth replantation. <i>Archives of Oral Biology</i> , 2007, 52, 945-953.	0.8	42
1008	Regulation of TGF- $\beta$ 1/MAPK-mediated PAI-1 gene expression by the actin cytoskeleton in human mesangial cells. <i>Experimental Cell Research</i> , 2007, 313, 1240-1250.	1.2	37
1009	Identification of calponin 3 as a novel Smad-binding modulator of BMP signaling expressed in cartilage. <i>Experimental Cell Research</i> , 2007, 313, 3386-3394.	1.2	23
1010	Expression of TGF- $\beta$ 1, $\beta$ 2RII and Smad4 in colorectal carcinoma. <i>Experimental and Molecular Pathology</i> , 2007, 82, 284-291.	0.9	14
1011	Atrial extracellular matrix remodelling in patients with atrial fibrillation. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 189-208.	1.6	111
1012	Hepcidin ? central regulator of iron metabolism. <i>European Journal of Haematology</i> , 2007, 78, 1-10.	1.1	97
1013	Transforming growth factor- $\beta$ 2: What every pancreatic surgeon should know. <i>Surgery</i> , 2007, 141, 1-6.	1.0	12
1014	Intestinal epithelial cell signalling and chronic inflammation: From the proteome to specific molecular mechanisms. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 622, 42-57.	0.4	46
1015	Inhibition of Smad7, a negative regulator of TGF-beta signaling, suppresses autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2007, 187, 61-73.	1.1	22
1016	Expression and function of $\beta$ 2RII-B, a variant of the type II TGF- $\beta$ receptor, in human chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 442-453.	0.6	22
1017	The immunosuppressant FK506 promotes development of the chondrogenic phenotype in human synovial stromal cells via modulation of the Smad signaling pathway. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 709-718.	0.6	24
1018	Chondrogenic potential of human synovial mesenchymal stem cells in alginate. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 1178-1189.	0.6	137
1019	Modulation of TGF- $\beta$ signaling by proinflammatory cytokines in articular chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2007, 15, 1367-1377.	0.6	111
1020	Comparative analysis of expression of TGF $\beta$ family factors and their receptors in mouse embryonic stem and teratocarcinoma cells. <i>Russian Journal of Developmental Biology</i> , 2007, 38, 95-103.	0.1	2



#	ARTICLE	IF	CITATIONS
1021	Mechanisms of Action of TGF $\beta$ 2 in Cancer. <i>Annals of the New York Academy of Sciences</i> , 2007, 1114, 56-68.	1.8	35
1022	Morphogen Receptor Genes and Metamorphogenes: Skeleton Keys to Metamorphosis. <i>Annals of the New York Academy of Sciences</i> , 2007, 1116, 113-133.	1.8	42
1023	Dysregulated BMP Signaling and Enhanced Osteogenic Differentiation of Connective Tissue Progenitor Cells From Patients With Fibrodysplasia Ossificans Progressiva (FOP). <i>Journal of Bone and Mineral Research</i> , 2008, 23, 305-313.	3.1	135
1024	Estrogen Receptors: How Do They Signal and What Are Their Targets. <i>Physiological Reviews</i> , 2007, 87, 905-931.	13.1	1,489
1025	Crystal structure of activin receptor type IIB kinase domain from human at 2.0 Å... resolution. <i>Protein Science</i> , 2007, 16, 2272-2277.	3.1	30
1026	Vascular calcification and osteoporosis—from clinical observation towards molecular understanding. <i>Osteoporosis International</i> , 2007, 18, 251-259.	1.3	204
1027	Involvement of deterioration in S100C/A11-mediated pathway in resistance of human squamous cancer cell lines to TGF $\beta$ 2-induced growth suppression. <i>Journal of Molecular Medicine</i> , 2007, 85, 753-762.	1.7	6
1028	SMAD3 inhibits SF-1-dependent activation of the CYP17 promoter in H295R cells. <i>Molecular and Cellular Biochemistry</i> , 2007, 307, 65-71.	1.4	11
1029	Toll-like receptor triggered dendritic cell maturation and IL-12 secretion are necessary to overcome T-cell inhibition by glioma-associated TGF- $\beta$ 2. <i>Journal of Neuro-Oncology</i> , 2007, 82, 151-161.	1.4	37
1030	Bone Morphogenetic Protein 7 is Elevated in Patients with Chronic Liver Disease and Exerts Fibrogenic Effects on Human Hepatic Stellate Cells. <i>Digestive Diseases and Sciences</i> , 2007, 52, 3404-3415.	1.1	60
1031	Prevention of TGF- $\beta$ 2-induced apoptosis by interleukin-4 through Akt activation and p70S6K survival signaling pathways. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1659-1670.	2.2	18
1032	Epidermal growth factor inhibits glycogen synthase kinase-3 (GSK-3) and $\beta$ -catenin transcription in cultured ARPE-19 cells. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 1543-1548.	1.0	7
1033	Monomeric mature protein of Nodal-related 3 activates Xbra expression. <i>Development Genes and Evolution</i> , 2007, 217, 29-37.	0.4	3
1034	GnRH-Mediated DAN Production Regulates the Transcription of the GnRH Receptor in Gonadotrope Cells. <i>NeuroMolecular Medicine</i> , 2007, 9, 230-248.	1.8	17
1035	Constitutively activated dystrophic muscle fibroblasts show a paradoxical response to TGF- $\beta$ 2 and CTGF/CCN2. <i>Journal of Cell Communication and Signaling</i> , 2007, 1, 205-217.	1.8	40
1036	Expression and bioinformatic analysis of lymphoma-associated novel gene KIAA0372. <i>Frontiers of Medicine in China</i> , 2007, 1, 93-98.	0.1	1
1037	$\beta$ EF1 represses BMP-2-induced differentiation of C2C12 myoblasts into the osteoblast lineage. <i>Journal of Biomedical Science</i> , 2007, 14, 663-679.	2.6	26
1038	Regulatory mechanisms of atrial fibrotic remodeling in atrial fibrillation. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 1489-1508.	2.4	92

#	ARTICLE	IF	CITATIONS
1039	Oxidative stress and the pathogenesis of scleroderma: the Murrell's hypothesis revisited. <i>Seminars in Immunopathology</i> , 2008, 30, 329-337.	2.8	58
1040	The TGF $\beta$ pathway as a therapeutic target in cancer. <i>Clinical and Translational Oncology</i> , 2008, 10, 14-19.	1.2	48
1041	Skeletal metamorphosis in fibrodysplasia ossificans progressiva (FOP). <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 521-530.	1.3	73
1042	Association of bone morphogenetic protein-2 gene polymorphisms with susceptibility to ossification of the posterior longitudinal ligament of the spine and its severity in Chinese patients. <i>European Spine Journal</i> , 2008, 17, 956-964.	1.0	54
1043	Osteoinduction in human fat-derived stem cells by recombinant human bone morphogenetic protein-2 produced in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2008, 30, 15-21.	1.1	25
1044	Genes in congenital heart disease: atrioventricular valve formation. <i>Basic Research in Cardiology</i> , 2008, 103, 216-227.	2.5	45
1045	TGF-beta in neural stem cells and in tumors of the central nervous system. <i>Cell and Tissue Research</i> , 2008, 331, 225-241.	1.5	91
1046	Structure of <i>Drosophila</i> Mad MH2 domain. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 986-990.	0.7	4
1047	The up-regulation of 14-3-3 proteins in Smad4 deficient epidermis and hair follicles at catagen. <i>Proteomics</i> , 2008, 8, 2230-2243.	1.3	13
1048	Bone morphogenetic proteins in tissue engineering: the road from the laboratory to the clinic, part I (basic concepts). <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2008, 2, 1-13.	1.3	273
1049	Primary and immortalized mouse epicardial cells undergo differentiation in response to TGF $\beta$ <sup>2</sup> . <i>Developmental Dynamics</i> , 2008, 237, 366-376.	0.8	70
1050	Activin/nodal signaling modulates <i>XPAPC</i> expression during <i>Xenopus</i> gastrulation. <i>Developmental Dynamics</i> , 2008, 237, 683-691.	0.8	2
1051	Expression and regulation of the decoy bone morphogenetic protein receptor <i>BAMBI</i> in the developing avian face. <i>Developmental Dynamics</i> , 2008, 237, 1500-1508.	0.8	20
1052	TGF $\beta$ <sup>2</sup> inhibits prolactin-induced expression of <i>Î²-casein</i> by a Smad3-dependent mechanism. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1647-1659.	1.2	12
1053	Change in cell shape is required for matrix metalloproteinase-induced epithelial-mesenchymal transition of mammary epithelial cells. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 25-33.	1.2	120
1054	Tissue stretch decreases soluble TGF $\beta$ <sup>1</sup> and type I procollagen in mouse subcutaneous connective tissue: Evidence from ex vivo and in vivo models. <i>Journal of Cellular Physiology</i> , 2008, 214, 389-395.	2.0	76
1055	Akt kinase targets association of CBP with SMAD 3 to regulate TGF $\beta$ <sup>2</sup> -induced expression of plasminogen activator inhibitor-1. <i>Journal of Cellular Physiology</i> , 2008, 214, 513-527.	2.0	62
1056	TGF $\beta$ <sup>2</sup> induces connexin43 gene expression in normal murine mammary gland epithelial cells via activation of p38 and PI3K/AKT signaling pathways. <i>Journal of Cellular Physiology</i> , 2008, 217, 759-768.	2.0	44

#	ARTICLE	IF	CITATIONS
1057	Transforming growth factor- $\beta$ gene expression signature in mouse hepatocytes predicts clinical outcome in human cancer. <i>Hepatology</i> , 2008, 47, 2059-2067.	3.6	302
1058	Murine cirrhosis induces hepatocyte epithelial mesenchymal transition and alterations in survival signaling pathways. <i>Hepatology</i> , 2008, 48, 909-919.	3.6	150
1059	Studying protein structure and function using semisynthesis. <i>Biopolymers</i> , 2008, 90, 743-750.	1.2	22
1060	Involvement of the TGF- $\beta$ and mTOR/p70S6Kinase pathways in the transformation process induced by v-ErbA. <i>Leukemia Research</i> , 2008, 32, 1878-1888.	0.4	8
1061	MH1 domain of SMAD4 binds N-terminal residues of the homeodomain of Hoxc9. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 747-752.	1.1	11
1062	Secretion of bioactive hepcidin-25 by liver cells correlates with its gene transcription and points towards synergism between iron and inflammation signaling pathways. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 2029-2037.	1.1	29
1063	Modeling semantics of inconsistent qualitative knowledge for quantitative Bayesian network inference. <i>Neural Networks</i> , 2008, 21, 182-192.	3.3	17
1064	Small Molecular Inhibitor of Transforming Growth Factor- $\beta$ Protects Against Development of Radiation-Induced Lung Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 829-837.	0.4	126
1065	Development of an injectable composite as a carrier for growth factor-enhanced periodontal regeneration. <i>Journal of Clinical Periodontology</i> , 2008, 35, 976-984.	2.3	37
1066	Putting out the fire: coordinated suppression of the innate and adaptive immune systems by SOCS1 and SOCS3 proteins. <i>Immunological Reviews</i> , 2008, 224, 265-283.	2.8	156
1067	A novel mechanism of TGF- $\beta$ -induced actin reorganization mediated by Smad proteins and Rho GTPases. <i>FEBS Journal</i> , 2008, 275, 4074-4087.	2.2	64
1068	IKK $\alpha$ , a critical regulator of epidermal differentiation and a suppressor of skin cancer. <i>EMBO Journal</i> , 2008, 27, 2639-2647.	3.5	82
1069	An Id-like molecule, HHM, is a synexpression group-restricted regulator of TGF- $\beta$ signalling. <i>EMBO Journal</i> , 2008, 27, 2955-2965.	3.5	51
1070	VE-cadherin is a critical endothelial regulator of TGF- $\beta$ signalling. <i>EMBO Journal</i> , 2008, 27, 993-1004.	3.5	146
1071	Smad3 knockout mice exhibit impaired intestinal mucosal healing. <i>Laboratory Investigation</i> , 2008, 88, 1101-1109.	1.7	38
1072	Human embryonic stem cells and lung regeneration. <i>British Journal of Pharmacology</i> , 2008, 155, 316-325.	2.7	20
1073	Itch: a HECT-type E3 ligase regulating immunity, skin and cancer. <i>Cell Death and Differentiation</i> , 2008, 15, 1103-1112.	5.0	151
1074	Retinoic acid induces TGF- $\beta$ -dependent autocrine fibroblast growth. <i>Oncogene</i> , 2008, 27, 477-489.	2.6	18

#	ARTICLE	IF	CITATIONS
1075	Rb/E2F4 and Smad2/3 link survivin to TGF- $\beta$ 2-induced apoptosis and tumor progression. <i>Oncogene</i> , 2008, 27, 5326-5338.	2.6	63
1076	FOXO-binding partners: it takes two to tango. <i>Oncogene</i> , 2008, 27, 2289-2299.	2.6	185
1077	Bone morphogenetic protein signaling enhances invasion and bone metastasis of breast cancer cells through Smad pathway. <i>Oncogene</i> , 2008, 27, 6322-6333.	2.6	205
1078	Prostate tumor progression is mediated by a paracrine TGF- $\beta$ 2/Wnt3a signaling axis. <i>Oncogene</i> , 2008, 27, 7118-7130.	2.6	145
1079	Ligand-dependent ubiquitination of Smad3 is regulated by casein kinase 1 gamma 2, an inhibitor of TGF- $\beta$ 2 signaling. <i>Oncogene</i> , 2008, 27, 7235-7247.	2.6	32
1080	The type I TGF- $\beta$ 2 receptor engages TRAF6 to activate TAK1 in a receptor kinase-independent manner. <i>Nature Cell Biology</i> , 2008, 10, 1199-1207.	4.6	482
1081	A critical function for TGF- $\beta$ 2 signaling in the development of natural CD4+CD25+Foxp3+ regulatory T cells. <i>Nature Immunology</i> , 2008, 9, 632-640.	7.0	499
1082	Inflammation and the Aging Process: Devil or Angel. <i>Nutrition Reviews</i> , 2007, 65, S167-S169.	2.6	7
1083	Expression of Smad Protein by Normal Skin Fibroblasts and Hypertrophic Scar Fibroblasts in Response to Transforming Growth Factor 1. <i>Dermatologic Surgery</i> , 2008, 34, ???-???	0.4	16
1084	Glutamate activates GFAP gene promoter from cultured astrocytes through TGF- $\beta$ 1 pathways. <i>Journal of Neurochemistry</i> , 2008, 106, 746-756.	2.1	64
1085	Transforming growth factor- $\beta$ 2 and hepatocyte transdifferentiation in liver fibrogenesis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, S122-S127.	1.4	93
1086	Chronic inflammation in asthma: a contest of persistence vs resolution. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1095-1109.	2.7	25
1087	Effects of asiaticoside on the expression of Smad protein by normal skin fibroblasts and hypertrophic scar fibroblasts. <i>Clinical and Experimental Dermatology</i> , 2008, 33, 171-175.	0.6	27
1088	General morphological and biological features of neoplasms: integration of molecular findings. <i>Histopathology</i> , 2008, 53, 1-19.	1.6	26
1089	Transforming growth factor-beta-mediated regulation of BK virus gene expression. <i>Virology</i> , 2008, 378, 6-12.	1.1	24
1090	Analysis of the contribution of receptor subdomains to the cooperative binding and internalization of transforming growth factor- $\beta$ 2 (TGF- $\beta$ 2) type I and type II receptors. <i>Experimental Cell Research</i> , 2008, 314, 2553-2568.	1.2	2
1091	Different gene-expression profiles for the poorly differentiated carcinoma and the highly differentiated papillary adenocarcinoma in mammary glands support distinct metabolic pathways. <i>BMC Cancer</i> , 2008, 8, 270.	1.1	10
1092	Integrating chromosomal aberrations and gene expression profiles to dissect rectal tumorigenesis. <i>BMC Cancer</i> , 2008, 8, 314.	1.1	38

#	ARTICLE	IF	CITATIONS
1093	Regulation of human B lymphopoiesis by the transforming growth factor- $\beta$ superfamily in a newly established coculture system using human mesenchymal stem cells as a supportive microenvironment. <i>Experimental Hematology</i> , 2008, 36, 587-597.	0.2	32
1094	Dynamic control of TGF $\beta$ signaling and its links to the cytoskeleton. <i>FEBS Letters</i> , 2008, 582, 2051-2065.	1.3	92
1095	Specificity of the inhibitory effects of Dad on TGF $\beta$ family type I receptors, Thickveins, Saxophone, and Baboon in <i>Drosophila</i> . <i>FEBS Letters</i> , 2008, 582, 2496-2500.	1.3	28
1096	Identification of a BMP7 homolog in zebrafish expressed in developing organ systems. <i>Gene Expression Patterns</i> , 2008, 8, 369-375.	0.3	32
1097	Disruption of the latent transforming growth factor- $\beta$ binding protein-1 gene causes alteration in facial structure and influences TGF- $\beta$ bioavailability. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 34-48.	1.9	46
1098	The functional implications of Akt activity and TGF- $\beta$ signaling in tamoxifen-resistant breast cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 438-447.	1.9	28
1099	Retinoids regulate TGF $\beta$ signaling at the level of Smad2 phosphorylation and nuclear accumulation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 2279-2286.	1.9	13
1100	Estrogen deficiency, T cells and bone loss. <i>Cellular Immunology</i> , 2008, 252, 68-80.	1.4	121
1101	Modulation of signaling pathways by RNA virus capsid proteins. <i>Cellular Signalling</i> , 2008, 20, 1227-1236.	1.7	19
1102	To (TGF) $\beta$ or not to (TGF) $\beta$ : Fine-tuning of Smad signaling via post-translational modifications. <i>Cellular Signalling</i> , 2008, 20, 1579-1591.	1.7	45
1103	Smad2 functions as a co-activator of canonical Wnt/ $\beta$ -catenin signaling pathway independent of Smad4 through histone acetyltransferase activity of p300. <i>Cellular Signalling</i> , 2008, 20, 1632-1641.	1.7	48
1104	ERK5/MAPK is activated by TGF $\beta$ in hepatocytes and required for the GSK-3-mediated Snail protein stabilization. <i>Cellular Signalling</i> , 2008, 20, 2113-2118.	1.7	39
1105	Doxorubicin inhibits TGF- $\beta$ signaling in human lung carcinoma A549 cells. <i>European Journal of Pharmacology</i> , 2008, 590, 67-73.	1.7	23
1106	Molecular characterisation of a second structurally unusual AR-Smad without an MH1 domain and a Smad4 orthologue from <i>Echinococcus multilocularis</i> . <i>International Journal for Parasitology</i> , 2008, 38, 161-176.	1.3	24
1107	The induction of endochondral bone formation by transforming growth factor- $\beta$ : experimental studies in the non-human primate <i>Papio ursinus</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1029-1048.	1.6	51
1108	Disruption of the Smad7 gene enhances CCl <sub>4</sub> -dependent liver damage and fibrogenesis in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2130-2144.	1.6	54
1109	Neurokinin-A inhibits cell cycle activators in K562 cells and activates Smad 4 through a non-canonical pathway: A novel method in neural "hematopoietic axis". <i>Journal of Neuroimmunology</i> , 2008, 204, 85-91.	1.1	7
1110	Fibrotic disorders in the eye: Targets of gene therapy. <i>Progress in Retinal and Eye Research</i> , 2008, 27, 177-196.	7.3	151

#	ARTICLE	IF	CITATIONS
1111	Regulation of metastasis in colorectal adenocarcinoma: A collision between development and tumor biology. <i>Surgery</i> , 2008, 144, 353-366.	1.0	24
1112	Endoglin-Mediated Vascular Remodeling: Mechanisms Underlying Hereditary Hemorrhagic Telangiectasia. <i>Trends in Cardiovascular Medicine</i> , 2008, 18, 25-32.	2.3	66
1113	The c-myc Promoter: Still Mystery and Challenge. <i>Advances in Cancer Research</i> , 2008, 99, 113-333.	1.9	179
1114	Role of TGF- $\beta^2$ in Osteolytic Bone Metastases. , 2008, , 95-123.		0
1115	Unexpected activities of Smad7 in <i>Xenopus</i> mesodermal and neural induction. <i>Mechanisms of Development</i> , 2008, 125, 421-431.	1.7	15
1116	TGF $\beta^2$ /Activin/Nodal Pathway in Inhibition of Human Embryonic Stem Cell Differentiation by Mechanical Strain. <i>Biophysical Journal</i> , 2008, 94, 4123-4133.	0.2	110
1117	Down-regulation of transforming growth factor- $\beta^2$ type II receptor (TGF- $\beta^2$ RII) protein and mRNA expression in cervical cancer. <i>Molecular Cancer</i> , 2008, 7, 3.	7.9	26
1118	<i>Trichinella spiralis</i> : nurse cell formation with emphasis on analogy to muscle cell repair. <i>Parasites and Vectors</i> , 2008, 1, 27.	1.0	85
1119	Bone Morphogenetic Protein Receptors and Actions. , 2008, , 1177-1196.		2
1120	Transforming Growth Factor- $\beta^2$ . , 2008, , 1145-1166.		10
1122	Uterine myoma: a condition amendable to medical therapy?. <i>Expert Opinion on Emerging Drugs</i> , 2008, 13, 119-133.	1.0	54
1124	Bioactive Components of Milk. <i>Advances in Experimental Medicine and Biology</i> , 2008, , .	0.8	19
1126	Epithelial Morphogenesis and Intestinal Cancer: New Insights in Signaling Mechanisms. <i>Advances in Cancer Research</i> , 2008, 100, 85-111.	1.9	15
1127	Transforming Growth Factor- $\beta^2$ 1 Attenuates Expression of Both the Progesterone Receptor and Dickkopf in Differentiated Human Endometrial Stromal Cells. <i>Molecular Endocrinology</i> , 2008, 22, 716-728.	3.7	42
1128	The regulation of aggrecanase ADAMTS-4 expression in human Achilles tendon and tendon-derived cells. <i>Matrix Biology</i> , 2008, 27, 393-401.	1.5	56
1129	Smad3 and Pitx2 cooperate in stimulation of FSH $\beta^2$ gene transcription. <i>Molecular and Cellular Endocrinology</i> , 2008, 281, 27-36.	1.6	22
1130	Recent advances in the study of genes involved in non-syndromic premature ovarian failure. <i>Molecular and Cellular Endocrinology</i> , 2008, 282, 101-111.	1.6	65
1131	The goldfish ( <i>Carassius auratus</i> ) as a model for neuroendocrine signaling. <i>Molecular and Cellular Endocrinology</i> , 2008, 293, 43-56.	1.6	147

#	ARTICLE	IF	CITATIONS
1132	Lithium inhibits Smad3/4 transactivation via increased CREB activity induced by enhanced PKA and AKT signaling. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 440-453.	1.0	74
1133	Transforming growth factor-beta (TGF- $\beta$ 2) and brain tumours. <i>Journal of Clinical Neuroscience</i> , 2008, 15, 845-855.	0.8	36
1134	Fluid Shear Stress Regulates the Expression of TGF- $\beta$ 1 and Its Signaling Molecules in Mouse Embryo Mesenchymal Progenitor Cells. <i>Journal of Surgical Research</i> , 2008, 150, 266-270.	0.8	29
1135	Compound Astragalus and Salvia miltiorrhiza Extract exerts anti-fibrosis by mediating TGF- $\beta$ 2/Smad signaling in myofibroblasts. <i>Journal of Ethnopharmacology</i> , 2008, 118, 264-270.	2.0	53
1136	Pharmacological application of caffeine inhibits TGF- $\beta$ 2-stimulated connective tissue growth factor expression in hepatocytes via PPAR $\gamma$ 3 and SMAD2/3-dependent pathways. <i>Journal of Hepatology</i> , 2008, 49, 758-767.	1.8	109
1137	Characterization of Ligand-Binding Properties of the Human BMP Type II Receptor Extracellular Domain. <i>Journal of Molecular Biology</i> , 2008, 378, 191-203.	2.0	23
1138	Cooperative Assembly of TGF- $\beta$ 2 Superfamily Signaling Complexes Is Mediated by Two Disparate Mechanisms and Distinct Modes of Receptor Binding. <i>Molecular Cell</i> , 2008, 29, 157-168.	4.5	247
1139	A Very Private TGF- $\beta$ 2 Receptor Embrace. <i>Molecular Cell</i> , 2008, 29, 149-150.	4.5	73
1140	TGF- $\beta$ 1 is increased in a transgenic mouse model of familial Alzheimer's disease and causes neuronal apoptosis. <i>Neuroscience Letters</i> , 2008, 430, 81-86.	1.0	41
1141	Contextual Regulation of Inflammation: A Duet by Transforming Growth Factor- $\beta$ 2 and Interleukin-10. <i>Immunity</i> , 2008, 28, 468-476.	6.6	420
1142	Induction of a Homeostatic Circuit in Lung Tissue by Microbial Compounds. <i>Immunity</i> , 2008, 28, 724.	6.6	24
1143	Regulation of aminopeptidase N (EC 3.4.11.2; APN; CD13) on the HL-60 cell line by TGF- $\beta$ 1. <i>International Immunopharmacology</i> , 2008, 8, 613-623.	1.7	11
1144	Transitions between epithelial and mesenchymal states in development and disease. <i>Seminars in Cell and Developmental Biology</i> , 2008, 19, 294-308.	2.3	360
1145	TGF- $\beta$ 2 signaling is required for multiple processes during <i>Xenopus</i> tail regeneration. <i>Developmental Biology</i> , 2008, 315, 203-216.	0.9	98
1146	TGF- $\beta$ 2 type I receptor Alk5 regulates tooth initiation and mandible patterning in a type II receptor-independent manner. <i>Developmental Biology</i> , 2008, 320, 19-29.	0.9	58
1147	Mechanisms of TGF $\beta$ 2 inhibition of LUNG endodermal morphogenesis: The role of T $\beta$ 2RII, Smads, Nkx2.1 and Pten. <i>Developmental Biology</i> , 2008, 320, 340-350.	0.9	27
1148	Pathogenic mechanisms of pulmonary arterial hypertension. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 14-30.	0.9	229
1149	NANOG Is a Direct Target of TGF $\beta$ 2/Activin-Mediated SMAD Signaling in Human ESCs. <i>Cell Stem Cell</i> , 2008, 3, 196-206.	5.2	446

#	ARTICLE	IF	CITATIONS
1150	Component Hardware for Transforming Growth Factor- $\beta$ Signal Transduction: TGF- $\beta$ Ligands, TGF- $\beta$ Receptors, and Smads. , 2008, , 3-21.		2
1151	The Ins and Outs of Satellite Cell Myogenesis: The Role of the Ruling Growth Factors. , 2008, , 107-144.		11
1152	Alveolar bone regeneration of subcutaneously transplanted rat molar. <i>Bone</i> , 2008, 42, 350-357.	1.4	33
1153	Molecular requirements for induction of CTGF expression by TGF- $\beta$ 1 in primary osteoblasts. <i>Bone</i> , 2008, 42, 871-885.	1.4	51
1154	Ubc9 promotes the stability of Smad4 and the nuclear accumulation of Smad1 in osteoblast-like Saos-2 cells. <i>Bone</i> , 2008, 42, 886-893.	1.4	28
1155	Insights from a rare genetic disorder of extra-skeletal bone formation, fibrodysplasia ossificans progressiva (FOP). <i>Bone</i> , 2008, 43, 427-433.	1.4	117
1156	Molecular profiling of bladder cancer: Involvement of the TGF- $\beta$ pathway in bladder cancer progression. <i>Cancer Letters</i> , 2008, 265, 27-38.	3.2	33
1157	Downregulation of Par-3 expression and disruption of Par complex integrity by TGF- $\beta$ during the process of epithelial to mesenchymal transition in rat proximal epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 51-59.	1.8	57
1158	Role of transforming growth factor- $\beta$ superfamily signaling pathways in human disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 197-228.	1.8	544
1159	Sumoylation of Smad3 stimulates its nuclear export during PIASy-mediated suppression of TGF- $\beta$ signaling. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 359-365.	1.0	43
1160	Roles of mono-ubiquitinated Smad4 in the formation of Smad transcriptional complexes. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 288-292.	1.0	15
1161	Ubiquitin-mediated proteasomal degradation in normal and malignant hematopoiesis. <i>Blood Cells, Molecules, and Diseases</i> , 2008, 40, 200-210.	0.6	15
1162	Integrating positional information at the level of Smad1/5/8. <i>Current Opinion in Genetics and Development</i> , 2008, 18, 304-310.	1.5	72
1164	SnapShot: The TGF- $\beta$ Pathway Interactome. <i>Cell</i> , 2008, 133, 378-378.e1.	13.5	35
1165	TGF- $\beta$ in Cancer. <i>Cell</i> , 2008, 134, 215-230.	13.5	3,312
1166	TGF- $\beta$ : A Master of All T Cell Trades. <i>Cell</i> , 2008, 134, 392-404.	13.5	783
1167	Genome-Wide Identification of Smad/Foxh1 Targets Reveals a Role for Foxh1 in Retinoic Acid Regulation and Forebrain Development. <i>Developmental Cell</i> , 2008, 14, 411-423.	3.1	51
1168	The immune system and cardiac repair. <i>Pharmacological Research</i> , 2008, 58, 88-111.	3.1	560



#	ARTICLE	IF	CITATIONS
1169	Prenatal Lung Epithelial Cell-Specific Abrogation of Alk3-Bone Morphogenetic Protein Signaling Causes Neonatal Respiratory Distress by Disrupting Distal Airway Formation. <i>American Journal of Pathology</i> , 2008, 172, 571-582.	1.9	46
1170	Brain Area-Specific Effect of TGF- $\beta$ 2 Signaling on Wnt-Dependent Neural Stem Cell Expansion. <i>Cell Stem Cell</i> , 2008, 2, 472-483.	5.2	123
1171	Transforming growth factor- $\beta$ 2 in cutaneous melanoma. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 123-132.	1.5	125
1172	Aberrant Transforming Growth Factor $\beta$ 21 Signaling and SMAD4 Nuclear Translocation Confer Epigenetic Repression of ADAM19 in Ovarian Cancer. <i>Neoplasia</i> , 2008, 10, 908-IN2.	2.3	60
1173	Chapter 6 Vascular Calcification Inhibitors In Relation To Cardiovascular Disease With Special Emphasis On Fetuin-A In Chronic Kidney Disease. <i>Advances in Clinical Chemistry</i> , 2008, 46, 217-262.	1.8	30
1174	Synthesis and Evaluation of [2-(4-Quinolylloxy)phenyl]methanone Derivatives: Novel Selective Inhibitors of Transforming Growth Factor- $\beta$ Kinase. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3326-3329.	2.9	8
1175	The Bmp Pathway in Skull Vault Development. , 2008, 12, 197-208.		29
1176	Review of the activation of TGF- $\beta$ 2 in immunity. <i>Journal of Leukocyte Biology</i> , 2009, 85, 29-33.	1.5	148
1177	Functional Redundancy of TGF-beta Family Type I Receptors and Receptor-Smads in Mediating Anti-M $\beta$ 2/4 Allergic Hormone-Induced M $\beta$ 2/4 Allergic Duct Regression in the Mouse1. <i>Biology of Reproduction</i> , 2008, 78, 994-1001.	1.2	102
1178	Mathematical modeling identifies Smad nucleocytoplasmic shuttling as a dynamic signal-interpreting system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6608-6613.	3.3	168
1179	IKK $\beta$ is a critical coregulator of a Smad4-independent TGF $\beta$ 2-Smad2/3 signaling pathway that controls keratinocyte differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2487-2492.	3.3	138
1180	ING2 as a Novel Mediator of Transforming Growth Factor- $\beta$ 2-dependent Responses in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 13269-13279.	1.6	53
1181	A Smad-binding Element in Intron 1 Participates in Activin-dependent Regulation of the Follistatin Gene. <i>Journal of Biological Chemistry</i> , 2008, 283, 7016-7026.	1.6	30
1182	The Structure of FSTL3 $\beta$ -Activin A Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 32831-32838.	1.6	63
1183	TGF- $\beta$ receptor II in epithelia versus mesenchyme plays distinct roles in the developing lung. <i>European Respiratory Journal</i> , 2008, 32, 285-295.	3.1	73
1184	Smad and p38 MAP Kinase-mediated Signaling of Proteoglycan Synthesis in Vascular Smooth Muscle. <i>Journal of Biological Chemistry</i> , 2008, 283, 7844-7852.	1.6	58
1185	Snail and Slug Promote Epithelial-Mesenchymal Transition through $\beta$ -Catenin $\beta$ -T-Cell Factor-4-dependent Expression of Transforming Growth Factor- $\beta$ 3. <i>Molecular Biology of the Cell</i> , 2008, 19, 4875-4887.	0.9	425
1186	Crb2 binding to Tyr284 in T $\beta$ R-II is essential for mammary tumor growth and metastasis stimulated by TGF- $\beta$ 2. <i>Carcinogenesis</i> , 2008, 29, 244-251.	1.3	74

#	ARTICLE	IF	CITATIONS
1187	Transforming Growth Factor- $\beta$ 1 Promotes Matrix Metalloproteinase-9-Mediated Oral Cancer Invasion through Snail Expression. <i>Molecular Cancer Research</i> , 2008, 6, 10-20.	1.5	118
1188	Adult Neurogenesis Requires Smad4-Mediated Bone Morphogenetic Protein Signaling in Stem Cells. <i>Journal of Neuroscience</i> , 2008, 28, 434-446.	1.7	228
1189	TGF $\beta$ 2 signals regulate axonal development through distinct Smad-independent mechanisms. <i>Development (Cambridge)</i> , 2008, 135, 4025-4035.	1.2	49
1190	Transforming Growth Factor- $\beta$ 1-Mediated Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Expression and Apoptosis in Hepatoma Cells Requires Functional Cooperation between Smad Proteins and Activator Protein-1. <i>Molecular Cancer Research</i> , 2008, 6, 1169-1177.	1.5	22
1192	PCTA: A New Player in TGF- $\beta$ 2 Signaling. <i>Science Signaling</i> , 2008, 1, pe49.	1.6	10
1193	Altered Transforming Growth Factor-Beta Signaling in a Murine Model of Thoracic Aortic Aneurysm. <i>Journal of Vascular Research</i> , 2008, 45, 457-468.	0.6	36
1194	Synaptic Patterning by Morphogen Signaling. <i>Science Signaling</i> , 2008, 1, pe20.	1.6	3
1195	IHG-1 Amplifies TGF- $\beta$ 1 Signaling and Is Increased in Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 1672-1680.	3.0	57
1196	TGF $\beta$ 2 mediates activation of transglutaminase 2 in response to oxidative stress that leads to protein aggregation. <i>FASEB Journal</i> , 2008, 22, 2498-2507.	0.2	64
1197	Oncogenic Ras and Transforming Growth Factor- $\beta$ 2 Synergistically Regulate AU-Rich Element-Containing mRNAs during Epithelial to Mesenchymal Transition. <i>Molecular Cancer Research</i> , 2008, 6, 1124-1136.	1.5	38
1198	Genome-wide Impact of the BRG1 SWI/SNF Chromatin Remodeler on the Transforming Growth Factor $\beta$ 2 Transcriptional Program. <i>Journal of Biological Chemistry</i> , 2008, 283, 1146-1155.	1.6	103
1199	Activin B receptor ALK7 is a negative regulator of pancreatic $\beta$ -cell function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7246-7251.	3.3	87
1200	Bone Morphogenetic Protein-9 Is a Circulating Vascular Quiescence Factor. <i>Circulation Research</i> , 2008, 102, 914-922.	2.0	362
1201	A cytokine-neutralizing antibody as a structural mimetic of 2 receptor interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20251-20256.	3.3	52
1202	Preferential Utilization of Imp7/8 in Nuclear Import of Smads. <i>Journal of Biological Chemistry</i> , 2008, 283, 22867-22874.	1.6	69
1203	Severe Acute Respiratory Syndrome-associated Coronavirus Nucleocapsid Protein Interacts with Smad3 and Modulates Transforming Growth Factor- $\beta$ 2 Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 3272-3280.	1.6	180
1204	Endocytosis of the Type III Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Receptor through the Clathrin-independent/Lipid Raft Pathway Regulates TGF- $\beta$ 2 Signaling and Receptor Down-regulation. <i>Journal of Biological Chemistry</i> , 2008, 283, 34808-34818.	1.6	57
1205	Cripto Is a Noncompetitive Activin Antagonist That Forms Analogous Signaling Complexes with Activin and Nodal. <i>Journal of Biological Chemistry</i> , 2008, 283, 4490-4500.	1.6	58

#	ARTICLE	IF	CITATIONS
1206	L- and S-endoglin differentially modulate TGF $\beta$ 1 signaling mediated by ALK1 and ALK5 in L6E9 myoblasts. <i>Journal of Cell Science</i> , 2008, 121, 913-919.	1.2	105
1207	Collagen $\alpha$ 1-mediated up-regulation of N-cadherin requires cooperative signals from integrins and discoidin domain receptor 1. <i>Journal of Cell Biology</i> , 2008, 180, 1277-1289.	2.3	224
1208	Dual Roles of Immunoregulatory Cytokine TGF $\beta$ 2 in the Pathogenesis of Autoimmunity-Mediated Organ Damage. <i>Journal of Immunology</i> , 2008, 180, 1903-1912.	0.4	105
1209	Genistein Induces Phenotypic Reversion of Endoglin Deficiency in Human Prostate Cancer Cells. <i>Molecular Pharmacology</i> , 2008, 73, 235-242.	1.0	25
1210	Transcriptional and Translational Regulation of TGF $\beta$ 2 Production in Response to Apoptotic Cells. <i>Journal of Immunology</i> , 2008, 181, 3575-3585.	0.4	113
1211	Axin and GSK3 $\beta$ control Smad3 protein stability and modulate TGF $\beta$ 2 signaling. <i>Genes and Development</i> , 2008, 22, 106-120.	2.7	224
1212	EGF antagonizes TGF $\beta$ 2-induced tropoelastin expression in lung fibroblasts via stabilization of Smad corepressor TGIF. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L143-L151.	1.3	17
1213	TGF $\beta$ 2-induced RhoA activation and fibronectin production in mesangial cells require caveolae. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F153-F164.	1.3	69
1214	Cyclic GMP/Protein Kinase G Phosphorylation of Smad3 Blocks Transforming Growth Factor $\beta$ 2-Induced Nuclear Smad Translocation. <i>Circulation Research</i> , 2008, 102, 151-153.	2.0	24
1215	High-Density Lipoproteins Affect Endothelial BMP-Signaling by Modulating Expression of the Activin-Like Kinase Receptor 1 and 2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2266-2274.	1.1	44
1216	SnoN in TGF $\beta$ 2 Signaling and Cancer Biology. <i>Current Molecular Medicine</i> , 2008, 8, 319-328.	0.6	30
1217	Transforming growth factor $\beta$ 1 protects against pulmonary artery endothelial cell apoptosis via ALK5. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L123-L133.	1.3	29
1218	Regulation of TGF $\beta$ 2 signalling by N-acetylgalactosaminyltransferase-like 1. <i>Development (Cambridge)</i> , 2008, 135, 1813-1822.	1.2	34
1220	Lysyl Oxidase Binds Transforming Growth Factor $\beta$ 2 and Regulates Its Signaling via Amine Oxidase Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 34229-34240.	1.6	118
1221	Transforming Growth Factor $\beta$ 2 Blockade Down-Regulates the Renin-Angiotensin System and Modifies Cardiac Remodeling after Myocardial Infarction. <i>Endocrinology</i> , 2008, 149, 5828-5834.	1.4	68
1222	A New Synthetic Compound, SST-VEDI-1, Inhibits Osteoblast Differentiation with a Down-Regulation of the Osterix Expression. <i>Journal of Biochemistry</i> , 2008, 145, 239-247.	0.9	6
1223	Bone Morphogenetic Proteins Signal through the Transforming Growth Factor $\beta$ 2 Type III Receptor. <i>Journal of Biological Chemistry</i> , 2008, 283, 7628-7637.	1.6	161
1224	Altered TAB1:IKK Kinase Interaction Promotes Transforming Growth Factor $\beta$ 2-Mediated Nuclear Factor $\kappa$ B Activation during Breast Cancer Progression. <i>Cancer Research</i> , 2008, 68, 1462-1470.	0.4	81

#	ARTICLE	IF	CITATIONS
1225	An Allelic Series Uncovers Novel Roles of the BRCT Domain-Containing Protein PTIP in Mouse Embryonic Vascular Development. <i>Molecular and Cellular Biology</i> , 2008, 28, 6439-6451.	1.1	11
1226	<i>Molecular Organization of Cells.</i> , 2008, , 50-65.		0
1227	The Molecular Basis of Pluripotency in <i>Principles of Regenerative Medicine.</i> , 2008, , 126-135.		0
1228	TÎ²R111 suppresses non-small cell lung cancer invasiveness and tumorigenicity. <i>Carcinogenesis</i> , 2008, 29, 528-535.	1.3	110
1229	Atrial Natriuretic Peptide Inhibits Transforming Growth Factor Î²-Induced Smad Signaling and Myofibroblast Transformation in Mouse Cardiac Fibroblasts. <i>Circulation Research</i> , 2008, 102, 185-192.	2.0	188
1230	Signaling through ShcA Is Required for Transforming Growth Factor Î²- and Neu/ErbB-2-Induced Breast Cancer Cell Motility and Invasion. <i>Molecular and Cellular Biology</i> , 2008, 28, 3162-3176.	1.1	61
1231	Bmp in Podocytes Is Essential for Normal Glomerular Capillary Formation. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 685-694.	3.0	47
1232	TG-interacting factor is required for the differentiation of preadipocytes. <i>Journal of Lipid Research</i> , 2008, 49, 1224-1234.	2.0	25
1233	RAP250 Is a Coactivator in the Transforming Growth Factor Î² Signaling Pathway That Interacts with Smad2 and Smad3. <i>Journal of Biological Chemistry</i> , 2008, 283, 8995-9001.	1.6	22
1234	Activin A/Bone Morphogenetic Protein (BMP) Chimeras Exhibit BMP-like Activity and Antagonize Activin and Myostatin. <i>Journal of Biological Chemistry</i> , 2008, 283, 3782-3790.	1.6	17
1235	Proline and Î³-Carboxylated Glutamate Residues in Matrix Gla Protein Are Critical for Binding of Bone Morphogenetic Protein-4. <i>Circulation Research</i> , 2008, 102, 1065-1074.	2.0	67
1236	Differential growth factor regulation of N-cadherin expression and motility in normal and malignant oral epithelium. <i>Journal of Cell Science</i> , 2008, 121, 2197-2207.	1.2	38
1237	Transforming Growth Factor-Î²-stimulated Endocardial Cell Transformation Is Dependent on Par6c Regulation of RhoA. <i>Journal of Biological Chemistry</i> , 2008, 283, 13834-13841.	1.6	46
1238	The Integrin-coupled Signaling Adaptor p130Cas Suppresses Smad3 Function in Transforming Growth Factor-Î² Signaling. <i>Molecular Biology of the Cell</i> , 2008, 19, 2135-2146.	0.9	48
1239	p53 Brings a New Twist to the Smad Signaling Network. <i>Science Signaling</i> , 2008, 1, pe33.	1.6	24
1240	Modulation of the Bioactive Conformation of Transforming Growth Factor Î²: Possible Implications of Cation Binding for Biological Function. <i>Topics in Current Chemistry</i> , 2008, 273, 155-181.	4.0	3
1241	Tuning Immune Suppression in Systemic Autoimmunity with Self-Derived Peptides. <i>Inflammation and Allergy: Drug Targets</i> , 2008, 7, 253-259.	1.8	10
1242	Novel Regulation of Vascular Endothelial Growth Factor-A (VEGF-A) by Transforming Growth Factor Î²1. <i>Journal of Biological Chemistry</i> , 2008, 283, 35337-35353.	1.6	87

#	ARTICLE	IF	CITATIONS
1243	Regulation of transforming growth factor $\beta$ -induced responses by protein kinase A in pancreatic acinar cells. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G170-G178.	1.6	16
1244	Transforming Growth Factor- $\beta$ Suppresses the Ability of Ski to Inhibit Tumor Metastasis by Inducing Its Degradation. <i>Cancer Research</i> , 2008, 68, 3277-3285.	0.4	94
1245	Lung Fibroblast Repair Functions in Patients with Chronic Obstructive Pulmonary Disease Are Altered by Multiple Mechanisms. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 248-260.	2.5	172
1246	Role of the TGF- $\beta$ /Alk5 Signaling Pathway in Monocrotaline-induced Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 896-905.	2.5	130
1247	Epithelial-Mesenchymal Transition as a Therapeutic Target for Prevention of Ocular Tissue Fibrosis. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2008, 8, 69-76.	0.6	67
1248	Regulation of early steps of chondrogenesis in the developing limb. <i>Animal Cells and Systems</i> , 2008, 12, 1-9.	0.8	5
1249	Selective binding of RGMc/hemojuvelin, a key protein in systemic iron metabolism, to BMP-2 and neogenin. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C994-C1003.	2.1	44
1250	TGF- $\beta$ -Smad2 Signaling Regulates the Cdh1-APC/SnoN Pathway of Axonal Morphogenesis. <i>Journal of Neuroscience</i> , 2008, 28, 1961-1969.	1.7	81
1251	Spatial Regulation of BMP Signaling by Patterned Receptor Expression. <i>Tissue Engineering - Part A</i> , 2008, 14, 1469-1477.	1.6	20
1252	Expression of Smad Protein by Normal Skin Fibroblasts and Hypertrophic Scar Fibroblasts in Response to Transforming Growth Factor $\beta$ 1. <i>Dermatologic Surgery</i> , 2008, 34, 1216-1225.	0.4	29
1253	Activin A: Autocrine Regulator of Kidney Development and Repair. <i>Endocrine Journal</i> , 2008, 55, 1-9.	0.7	26
1254	The essential role for c-Ski in mediating TGF- $\beta$ 1-induced bi-directional effects on skin fibroblast proliferation through a feedback loop. <i>Biochemical Journal</i> , 2008, 409, 289-297.	1.7	29
1255	Regulation and consequences of differential gene expression in diabetic kidney disease. <i>Biochemical Society Transactions</i> , 2008, 36, 941-945.	1.6	32
1256	Activin-A: a novel dendritic cell-derived cytokine that potently attenuates CD40 ligand-specific cytokine and chemokine production. <i>Blood</i> , 2008, 111, 2733-2743.	0.6	98
1257	Hemojuvelin regulates hepcidin expression via a selective subset of BMP ligands and receptors independently of neogenin. <i>Blood</i> , 2008, 111, 5195-5204.	0.6	194
1258	PGE2 induces angiogenesis via MT1-MMP-mediated activation of the TGF- $\beta$ /Alk5 signaling pathway. <i>Blood</i> , 2008, 112, 1120-1128.	0.6	67
1259	Inhibition of endogenous TGF- $\beta$ signaling enhances lymphangiogenesis. <i>Blood</i> , 2008, 111, 4571-4579.	0.6	207
1260	Short-term BMP-4 treatment initiates mesoderm induction in human embryonic stem cells. <i>Blood</i> , 2008, 111, 1933-1941.	0.6	270

#	ARTICLE	IF	CITATIONS
1261	Inhibition of the TGF- $\beta$ 2 receptor I kinase promotes hematopoiesis in MDS. <i>Blood</i> , 2008, 112, 3434-3443.	0.6	157
1262	The in vitro osteogenetic characteristics of primary osteoblastic cells from a rabbit calvarium. <i>Journal of Oral Science</i> , 2008, 50, 427-434.	0.7	11
1264	TGF- $\beta$ 2; Signaling in Gastrointestinal Cancer Stem Cells. <i>Current Cancer Therapy Reviews</i> , 2008, 4, 196-200.	0.2	0
1265	Building Epithelial Tissues from Skin Stem Cells. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 333-350.	2.0	75
1266	TGF- $\beta$ 2 signaling dictates therapeutic targeting in prostate cancer. <i>Therapy: Open Access in Clinical Medicine</i> , 2008, 5, 7-11.	0.2	2
1267	Antitransforming growth factor- $\beta$ 2 therapy in fibrosis: recent progress and implications for systemic sclerosis. <i>Current Opinion in Rheumatology</i> , 2008, 20, 720-728.	2.0	91
1268	Aberrant signaling in T-cell acute lymphoblastic leukemia: biological and therapeutic implications. <i>Brazilian Journal of Medical and Biological Research</i> , 2008, 41, 344-350.	0.7	21
1269	Involvement of Smad3 phosphoisoform-mediated signaling in the development of colonic cancer in IL-10-deficient mice. <i>International Journal of Oncology</i> , 0, , .	1.4	0
1270	Zeb1 Mutant Mice as a Model of Posterior Corneal Dystrophy. , 2008, 49, 1843.		51
1271	Intracellular Signal Transduction Pathways and Transcription Factors for Osteogenesis. <i>The Journal of the Korean Rheumatism Association</i> , 2008, 15, 1.	0.1	5
1272	Mechanisms of Estrogen Action in Bone. , 2008, , 921-933.		5
1274	Two msh/msx-related genes, Djmsh1 and Djmsh2, contribute to the early blastema growth during planarian head regeneration. <i>International Journal of Developmental Biology</i> , 2008, 52, 943-952.	0.3	17
1275	Cell Signaling Events. , 2008, , 249-272.		0
1276	Transforming Growth Factor $\beta$ 21 Induces Epithelial $\rightarrow$ mesenchymal Transition by Activating the Jnk $\rightarrow$ SMAD3 Pathway in Rat Peritoneal Mesothelial Cells. <i>Peritoneal Dialysis International</i> , 2008, 28, 88-95.	1.1	55
1277	TGF- $\beta$ 2 superfamily enhances the antigen-induced IFN- $\gamma$ 3 production by effector/memory CD8+ T cells. <i>International Journal of Molecular Medicine</i> , 2009, 25, .	1.8	4
1278	Differential Effects of TGF $\beta$ 2 and Vitreous on the Transformation of Retinal Pigment Epithelial Cells. , 2009, 50, 5965.		67
1279	Expression and mutational analysis of TGF- $\beta$ 2/Smads signaling in human cervical cancers. <i>Journal of Gynecologic Oncology</i> , 2009, 20, 117.	1.0	22
1280	Modulation of TGF-beta signaling during progression of chronic liver diseases. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 2923.	3.0	61

#	ARTICLE	IF	CITATIONS
1281	TGF-beta signal transduction in chronic kidney disease. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 2448.	3.0	112
1282	PML nuclear bodies in the pathogenesis of acute promyelocytic leukemia: active players or innocent bystanders?. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1684.	3.0	27
1283	Specification of the germ cell lineage in mice. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1068.	3.0	34
1284	The Inflammatory Response and Cardiac Repair After Myocardial Infarction. <i>Korean Circulation Journal</i> , 2009, 39, 393.	0.7	58
1285	TGFb in fibroproliferative diseases in the eye. <i>Frontiers in Bioscience - Scholar</i> , 2009, S1, 376-390.	0.8	99
1286	BMP-7 as antagonist of organ fibrosis. <i>Frontiers in Bioscience - Landmark</i> , 2009, 14, 4992.	3.0	76
1287	Graded Smad2/3 Activation Is Converted Directly into Levels of Target Gene Expression in Embryonic Stem Cells. <i>PLoS ONE</i> , 2009, 4, e4268.	1.1	45
1288	BRCA1 Interacts with Smad3 and Regulates Smad3-Mediated TGF- $\beta^2$ Signaling during Oxidative Stress Responses. <i>PLoS ONE</i> , 2009, 4, e7091.	1.1	20
1289	ActRIIA and BMPRII Type II BMP Receptor Subunits Selectively Required for Smad4-Independent BMP7-Evoked Chemotaxis. <i>PLoS ONE</i> , 2009, 4, e8198.	1.1	37
1290	Apoptosis in Carcinogenesis and Chemotherapy. , 2009, , .		10
1291	Tumor Necrosis Factor-Receptor-associated Factor-4 Is a Positive Regulator of Transforming Growth Factor- $\beta^2$ Signaling That Affects Neural Crest Formation. <i>Molecular Biology of the Cell</i> , 2009, 20, 3436-3450.	0.9	44
1292	Disruption of Smad4 in Mouse Epidermis Leads to Depletion of Follicle Stem Cells. <i>Molecular Biology of the Cell</i> , 2009, 20, 882-890.	0.9	41
1293	Review Paper: Origin and Molecular Pathology of Adrenocortical Neoplasms. <i>Veterinary Pathology</i> , 2009, 46, 194-210.	0.8	51
1294	Kruppel-like Factor KLF10 Targets Transforming Growth Factor- $\beta^1$ to Regulate CD4+CD25 <sup>hi</sup> T Cells and T Regulatory Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 24914-24924.	1.6	90
1295	Effect of Direct Ovarian Infusion of Bone Morphogenetic Protein 6 (BMP6) on Ovarian Function in Sheep1. <i>Biology of Reproduction</i> , 2009, 81, 1016-1023.	1.2	18
1296	When nutrition interacts with osteoblast function: molecular mechanisms of polyphenols. <i>Nutrition Research Reviews</i> , 2009, 22, 68-81.	2.1	67
1297	Loss of NF- $\kappa$ B Control and Repression of Prdx6 Gene Transcription by Reactive Oxygen Species-driven SMAD3-mediated Transforming Growth Factor $\beta^2$ Signaling. <i>Journal of Biological Chemistry</i> , 2009, 284, 22758-22772.	1.6	27
1298	Small C-terminal Domain Phosphatase Enhances Snail Activity through Dephosphorylation. <i>Journal of Biological Chemistry</i> , 2009, 284, 640-648.	1.6	97

#	ARTICLE	IF	CITATIONS
1299	FoxL2 and Smad3 Coordinately Regulate Follistatin Gene Transcription. <i>Journal of Biological Chemistry</i> , 2009, 284, 7631-7645.	1.6	102
1300	A Negative Feedback Control of Transforming Growth Factor- $\beta$ 2 Signaling by Glycogen Synthase Kinase 3-mediated Smad3 Linker Phosphorylation at Ser-204. <i>Journal of Biological Chemistry</i> , 2009, 284, 19808-19816.	1.6	69
1302	Mechanisms of the epithelial $\rightarrow$ mesenchymal transition by TGF- $\beta$ 2. <i>Future Oncology</i> , 2009, 5, 1145-1168.	1.1	290
1303	Evidence for Activation of the TGF- $\beta$ 1 Promoter by C/EBP $\beta$ and Its Modulation by Smads. <i>Journal of Interferon and Cytokine Research</i> , 2009, 29, 1-8.	0.5	20
1304	Pin1 Down-regulates Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Signaling by Inducing Degradation of Smad Proteins. <i>Journal of Biological Chemistry</i> , 2009, 284, 6109-6115.	1.6	93
1305	Distinct Roles for Mammalian Target of Rapamycin Complexes in the Fibroblast Response to Transforming Growth Factor- $\beta$ 2. <i>Cancer Research</i> , 2009, 69, 84-93.	0.4	82
1306	Dysfunctional Transforming Growth Factor- $\beta$ 2 Receptor II Accelerates Prostate Tumorigenesis in the TRAMP Mouse Model. <i>Cancer Research</i> , 2009, 69, 7366-7374.	0.4	54
1307	Pattern formation by dynamically interacting network motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3213-3218.	3.3	35
1308	Regulation of Transforming Growth Factor- $\beta$ 2-dependent Cyclooxygenase-2 Expression in Fibroblasts. <i>Journal of Biological Chemistry</i> , 2009, 284, 35861-35871.	1.6	27
1309	Activin A and Follistatin-Like 3 Determine the Susceptibility of Heart to Ischemic Injury. <i>Circulation</i> , 2009, 120, 1606-1615.	1.6	83
1310	Activation of the Bone Morphogenetic Protein Receptor by H11Kinase/Hsp22 Promotes Cardiac Cell Growth and Survival. <i>Circulation Research</i> , 2009, 104, 887-895.	2.0	42
1311	<i>TGFBR1</i> Haplotypes and Risk of Non-Small-Cell Lung Cancer. <i>Cancer Research</i> , 2009, 69, 7046-7052.	0.4	24
1312	Role of SARA (SMAD Anchor for Receptor Activation) in Maintenance of Epithelial Cell Phenotype. <i>Journal of Biological Chemistry</i> , 2009, 284, 25181-25189.	1.6	36
1313	Transforming Growth Factor- $\beta$ 2-inducible Phosphorylation of Smad3. <i>Journal of Biological Chemistry</i> , 2009, 284, 9663-9673.	1.6	113
1314	SKI and MEL1 Cooperate to Inhibit Transforming Growth Factor- $\beta$ 2 Signal in Gastric Cancer Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 3334-3344.	1.6	74
1315	NET37, a Nuclear Envelope Transmembrane Protein with Glycosidase Homology, Is Involved in Myoblast Differentiation. <i>Journal of Biological Chemistry</i> , 2009, 284, 29666-29676.	1.6	34
1316	Phosphatidylinositol 3-Kinase/Akt Pathway Targets Acetylation of Smad3 through Smad3/CREB-binding Protein Interaction. <i>Journal of Biological Chemistry</i> , 2009, 284, 23912-23924.	1.6	19
1317	Smad7 Is Required for the Development and Function of the Heart. <i>Journal of Biological Chemistry</i> , 2009, 284, 292-300.	1.6	99



#	ARTICLE	IF	CITATIONS
1318	Hey1 Basic Helix-Loop-Helix Protein Plays an Important Role in Mediating BMP9-induced Osteogenic Differentiation of Mesenchymal Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 649-659.	1.6	167
1319	N-Methyl Pyrrolidone as a Potent Bone Morphogenetic Protein Enhancer for Bone Tissue Regeneration. <i>Tissue Engineering - Part A</i> , 2009, 15, 2955-2963.	1.6	55
1320	TGF $\beta$ 1 Independently Activates Smad- and CD2AP-Dependent Pathways in Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 2127-2137.	3.0	41
1322	Role of BMP-4 and Its Signaling Pathways in Cultured Human Melanocytes. <i>International Journal of Cell Biology</i> , 2009, 2009, 1-11.	1.0	22
1323	Transforming growth factor- $\beta$ 2 and kidney dysfunction. <i>Journal of Organ Dysfunction</i> , 2009, 5, 182-192.	0.3	5
1324	Synovium-Derived Mesenchymal Stem Cells: A New Cell Source for Musculoskeletal Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2009, 15, 75-86.	2.5	204
1325	Transforming Growth Factor $\beta$ 21-mediated Activation of the Smooth Muscle $\alpha$ -Actin Gene in Human Pulmonary Myofibroblasts Is Inhibited by Tumor Necrosis Factor- $\alpha$ via Mitogen-activated Protein Kinase Kinase 1-dependent Induction of the Egr-1 Transcriptional Repressor. <i>Molecular Biology of the Cell</i> , 2009, 20, 2174-2185.	0.9	35
1326	Analysis of activin/TGFB-signaling modulators within the normal and dysfunctional adult human testis reveals evidence of altered signaling capacity in a subset of seminomas. <i>Reproduction</i> , 2009, 138, 801-811.	1.1	29
1327	Different Domains Regulate Homomeric and Heteromeric Complex Formation among Type I and Type II Transforming Growth Factor- $\beta$ 2 Receptors. <i>Journal of Biological Chemistry</i> , 2009, 284, 7843-7852.	1.6	28
1329	Bioluminescence. <i>Methods in Molecular Biology</i> , 2009, , .	0.4	1
1330	Transforming Growth Factor- $\beta$ 2 Signaling in Thoracic Aortic Aneurysm Development: A Paradox in Pathogenesis. <i>Journal of Vascular Research</i> , 2009, 46, 119-137.	0.6	154
1331	Functional Analysis of <i>saxophone</i> , the Drosophila Gene Encoding the BMP Type I Receptor Ortholog of Human ALK1/ACVRL1 and ACVR1/ALK2. <i>Genetics</i> , 2009, 183, 563-579.	1.2	24
1332	Recruitment and maintenance of tendon progenitors by TGF $\beta$ 2 signaling are essential for tendon formation. <i>Development (Cambridge)</i> , 2009, 136, 1351-1361.	1.2	371
1333	Hypotheses on the Role of Transforming Growth Factor- $\beta$ 2 in the Onset and Progression of Hepatocellular Carcinoma. <i>Digestive Diseases</i> , 2009, 27, 93-101.	0.8	33
1334	Activin Signaling: Effects on Body Composition and Mitochondrial Energy Metabolism. <i>Endocrinology</i> , 2009, 150, 3521-3529.	1.4	43
1335	Gain or loss of TGF- $\beta$ 2 signaling in mammary carcinoma cells can promote metastasis. <i>Cell Cycle</i> , 2009, 8, 3319-3327.	1.3	58
1336	Targeting Prostate Cancer Stem Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2009, 9, 1105-1113.	0.9	21
1337	Profiling neuroendocrine gene expression changes following fadrozole-induced estrogen decline in the female goldfish. <i>Physiological Genomics</i> , 2009, 38, 351-361.	1.0	29

#	ARTICLE	IF	CITATIONS
1338	Roles for Transforming Growth Factor Beta Superfamily Proteins in Early Folliculogenesis. <i>Seminars in Reproductive Medicine</i> , 2009, 27, 014-023.	0.5	105
1339	Genetics of Pulmonary Arterial Hypertension. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2009, 30, 386-398.	0.8	43
1340	Pleural mesothelial cell transformation into myofibroblasts and haptotactic migration in response to TGF- $\beta$ 1 in vitro. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 297, L115-L124.	1.3	98
1341	Renal recovery after injury: the role of Pax-2. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2628-2633.	0.4	22
1342	Soluble HB-EGF induces epithelial-to-mesenchymal transition in inner medullary collecting duct cells by upregulating Snail-2. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F957-F965.	1.3	25
1343	Arterial gene transfer of the TGF- $\beta$ 2 signalling protein Smad3 induces adaptive remodelling following angioplasty: a role for CTGF. <i>Cardiovascular Research</i> , 2009, 84, 326-335.	1.8	62
1344	Diffuse-Type Gastric Carcinoma: Progression, Angiogenesis, and Transforming Growth Factor $\beta$ 2 Signaling. <i>Journal of the National Cancer Institute</i> , 2009, 101, 592-604.	3.0	66
1345	Transforming growth factor- $\beta$ 1 causes pulmonary microvascular endothelial cell apoptosis via ALK5. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L825-L838.	1.3	33
1346	MAPK ERK Signaling Regulates the TGF- $\beta$ 1-Dependent Mosquito Response to Plasmodium falciparum. <i>PLoS Pathogens</i> , 2009, 5, e1000366.	2.1	69
1347	Breast Cancer-derived Factors Stimulate Osteoclastogenesis through the Ca <sup>2+</sup> /Protein Kinase C and Transforming Growth Factor- $\beta$ 2/MAPK Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2009, 284, 33662-33670.	1.6	36
1348	Mesenchymal Cell Fate and Phenotypes in the Pathogenesis of Emphysema. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2009, 6, 201-210.	0.7	15
1349	Immunohistochemical investigation of wound healing in response to fractional photothermolysis. <i>Journal of Biomedical Optics</i> , 2009, 14, 064044.	1.4	56
1350	Pharmacological Targeting of the Integrated Protein Kinase B, Phosphatase and Tensin Homolog Deleted on Chromosome 10, and Transforming Growth Factor- $\beta$ 2 Pathways in Prostate Cancer. <i>Molecular Pharmacology</i> , 2009, 75, 429-436.	1.0	8
1351	Postinfarction gene therapy with adenoviral vector expressing decorin mitigates cardiac remodeling and dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1504-H1513.	1.5	39
1352	Transforming growth factor- $\beta$ 2 signaling in hypertensive remodeling of porcine aorta. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H2044-H2053.	1.5	18
1353	Rock2 controls TGF $\beta$ 2 signaling and inhibits mesoderm induction in zebrafish embryos. <i>Journal of Cell Science</i> , 2009, 122, 2197-2207.	1.2	30
1354	Extracellular Matrix-Induced Gene Expression in Human Breast Cancer Cells. <i>Molecular Cancer Research</i> , 2009, 7, 319-329.	1.5	26
1355	SMAD proteins of oligodendroglial cells regulate transcription of JC virus early and late genes coordinately with the Tat protein of human immunodeficiency virus type 1. <i>Journal of General Virology</i> , 2009, 90, 2005-2014.	1.3	39

#	ARTICLE	IF	CITATIONS
1356	Regulation of TGF- $\beta$ signaling by Smad7. <i>Acta Biochimica Et Biophysica Sinica</i> , 2009, 41, 263-272.	0.9	350
1357	The <i>Drosophila</i> DPP signal is produced by cleavage of its proprotein at evolutionary diversified furin-recognition sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8501-8506.	3.3	62
1358	SCUBE2 Suppresses Breast Tumor Cell Proliferation and Confers a Favorable Prognosis in Invasive Breast Cancer. <i>Cancer Research</i> , 2009, 69, 3634-3641.	0.4	63
1359	The Transforming Growth Factor- $\beta$ Type III Receptor Mediates Distinct Subcellular Trafficking and Downstream Signaling of Activin-like Kinase (ALK)3 and ALK6 Receptors. <i>Molecular Biology of the Cell</i> , 2009, 20, 4362-4370.	0.9	37
1360	PP2A regulates BMP signalling by interacting with BMP receptor complexes and by dephosphorylating both the C-terminus and the linker region of Smad1. <i>Journal of Cell Science</i> , 2009, 122, 1248-1257.	1.2	42
1361	Role of Ras Signaling in the Induction of Snail by Transforming Growth Factor- $\beta$ . <i>Journal of Biological Chemistry</i> , 2009, 284, 245-253.	1.6	195
1362	Transforming Growth Factor $\beta$ Depletion Is the Primary Determinant of Smad Signaling Kinetics. <i>Molecular and Cellular Biology</i> , 2009, 29, 2443-2455.	1.1	61
1363	Ethanol Affects Transforming Growth Factor $\beta$ 1-Initiated Signals: Cross-Talking Pathways in the Developing Rat Cerebral Wall. <i>Journal of Neuroscience</i> , 2009, 29, 9521-9533.	1.7	16
1364	p38 MAPK Is an Early Determinant of Promiscuous Smad2/3 Signaling in the Aortas of Fibrillin-1 (Fbn1)-null Mice. <i>Journal of Biological Chemistry</i> , 2009, 284, 5630-5636.	1.6	91
1365	Bone Morphogenetic Protein 15 (BMP15) Acts as a BMP and Wnt Inhibitor during Early Embryogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 26127-26136.	1.6	13
1366	A BMP- <i>Shh</i> negative-feedback loop restricts <i>Shh</i> expression during limb development. <i>Development (Cambridge)</i> , 2009, 136, 3779-3789.	1.2	74
1367	Mechanisms of Lung Development: Contribution to Adult Lung Disease and Relevance to Chronic Obstructive Pulmonary Disease. <i>Proceedings of the American Thoracic Society</i> , 2009, 6, 558-563.	3.5	87
1368	Dysregulated molecular networks in head and neck carcinogenesis. <i>Oral Oncology</i> , 2009, 45, 324-334.	0.8	317
1369	New regulatory mechanisms of TGF- $\beta$ receptor function. <i>Trends in Cell Biology</i> , 2009, 19, 385-394.	3.6	297
1370	An integrative ChIP-chip and gene expression profiling to model SMAD regulatory modules. <i>BMC Systems Biology</i> , 2009, 3, 73.	3.0	62
1371	Cx43 contributes to TGF- $\beta$ signaling to regulate differentiation of cardiac fibroblasts into myofibroblasts. <i>Experimental Cell Research</i> , 2009, 315, 1190-1199.	1.2	60
1372	BMP- $\beta$ -induced osteogenic differentiation of mesenchymal progenitors requires functional canonical Wnt/ $\beta$ -catenin signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2448-2464.	1.6	225
1373	Establishment and characterization of scleroderma fibroblast clonal cell lines by introduction of the hTERT gene. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 14, 1156-65.	1.6	12

#	ARTICLE	IF	CITATIONS
1374	TGF- $\beta$ 2 receptor levels regulate the specificity of signaling pathway activation and biological effects of TGF- $\beta$ 2. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1165-1173.	1.9	92
1375	GDF5 and BMP2 inhibit apoptosis via activation of BMPR2 and subsequent stabilization of XIAP. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1819-1827.	1.9	30
1376	Effects of omega-3 fatty acids on components of the transforming growth factor beta-1 pathway: implication for dietary modification and prevention in ovarian cancer. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 200, 516.e1-516.e6.	0.7	16
1377	A bone morphogenetic protein homologue in the parasitic flatworm, <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2009, 39, 281-287.	1.3	33
1378	Genetic polymorphism in the transforming growth factor $\beta$ 21 gene (-509 C/T and -800 G/A) and colorectal cancer. <i>Cancer Genetics and Cytogenetics</i> , 2009, 190, 21-25.	1.0	19
1379	Rapamycin induces the TGF $\beta$ 1/Smad signaling cascade in renal mesangial cells upstream of mTOR. <i>Cellular Signalling</i> , 2009, 21, 1806-1817.	1.7	40
1380	The etiology of liver damage imparts cytokines transforming growth factor $\beta$ 21 or interleukin-13 as driving forces in fibrogenesis. <i>Hepatology</i> , 2009, 50, 230-243.	3.6	115
1381	Classic and atypical fibrodysplasia ossificans progressiva (FOP) phenotypes are caused by mutations in the bone morphogenetic protein (BMP) type I receptor ACVR1. <i>Human Mutation</i> , 2009, 30, 379-390.	1.1	364
1382	BMP15 mutations associated with primary ovarian insufficiency cause a defective production of bioactive protein. <i>Human Mutation</i> , 2009, 30, 804-810.	1.1	126
1383	The tale of transforming growth factor $\beta$ 2 signaling: A soignÃ© enigma. <i>IUBMB Life</i> , 2009, 61, 929-939.	1.5	75
1384	Wnt antagonist gene polymorphisms and renal cancer. <i>Cancer</i> , 2009, 115, 4488-4503.	2.0	50
1385	Finding partners: How BMPs select their targets. <i>Developmental Dynamics</i> , 2009, 238, 1321-1331.	0.8	44
1386	Overexpression of BMP3 in the developing skeleton alters endochondral bone formation resulting in spontaneous rib fractures. <i>Developmental Dynamics</i> , 2009, 238, 2374-2381.	0.8	61
1387	Follistatin preferentially antagonizes activin rather than BMP signaling in <i>Drosophila</i> . <i>Genesis</i> , 2009, 47, 261-273.	0.8	28
1388	Synergistic effect of TGF $\beta$ 2 superfamily members on the induction of Foxp3 <sup>+</sup> Treg. <i>European Journal of Immunology</i> , 2010, 40, 142-152.	1.6	111
1389	Mitogen activated protein kinase-dependent inhibition of osteocalcin gene expression by transforming growth factor $\beta$ 1. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 161-169.	1.2	20
1390	Slug is a downstream mediator of transforming growth factor $\beta$ 1-induced matrix metalloproteinase-9 expression and invasion of oral cancer cells. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 726-736.	1.2	75
1391	SMAD proteins as a molecular switch from hypertrophy to apoptosis induction in adult ventricular cardiomyocytes. <i>Journal of Cellular Physiology</i> , 2009, 220, 515-523.	2.0	17

#	ARTICLE	IF	CITATIONS
1392	Requirement of a dynein light chain in TGF $\beta$ <sup>2</sup> /Smad3 signaling. <i>Journal of Cellular Physiology</i> , 2009, 221, 707-715.	2.0	31
1393	Bone morphogenetic protein 2 and dexamethasone synergistically increase alkaline phosphatase levels through JAK/STAT signaling in C3H10T1/2 cells. <i>Journal of Cellular Physiology</i> , 2010, 223, 123-133.	2.0	64
1394	Inflammation and EMT: an alliance towards organ fibrosis and cancer progression. <i>EMBO Molecular Medicine</i> , 2009, 1, 303-314.	3.3	557
1395	Tumor suppressor and oncogene actions of TGF $\beta$ <sup>2</sup> 1 occur early in skin carcinogenesis and are mediated by Smad3. <i>Molecular Carcinogenesis</i> , 2009, 48, 441-453.	1.3	23
1396	PTK $\beta$ pathways and TGF $\beta$ <sup>2</sup> signaling pathways in schistosomes. <i>Journal of Basic Microbiology</i> , 2009, 49, 25-31.	1.8	9
1397	TGF $\beta$ <sup>1</sup> and TGFBR1 are Expressed in Ameloblasts and Promote MMP20 Expression. <i>Anatomical Record</i> , 2009, 292, 885-890.	0.8	33
1398	Effect of interleukin $\beta$ <sup>1</sup> on osteogenic protein 1 $\beta$ -induced signaling in adult human articular chondrocytes. <i>Arthritis and Rheumatism</i> , 2009, 60, 143-154.	6.7	40
1399	Smad2/3 is involved in growth inhibition of mouse embryonic palate mesenchymal cells induced by all $\beta$ -trans retinoic acid. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2009, 85, 780-790.	1.6	16
1400	Gonocytes, the forgotten cells of the germ cell lineage. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2009, 87, 1-26.	3.6	208
1401	Emerging mechanisms in morphogen $\beta$ -mediated axon guidance. <i>BioEssays</i> , 2009, 31, 1013-1025.	1.2	80
1402	Keloid scarring: bench and bedside. <i>Archives of Dermatological Research</i> , 2009, 301, 259-272.	1.1	181
1403	Mice with Disrupted TGF $\beta$ <sup>2</sup> Signaling Have Normal Cerebella Development, but Exhibit Facial Dymorphogenesis and Strain-Dependent Deficits in Their Body Wall. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 621-633.	1.7	3
1404	Biology of BMP signalling and cancer. <i>Clinical and Translational Oncology</i> , 2009, 11, 126-137.	1.2	62
1405	Role of transforming growth factor $\beta$ <sup>2</sup> in cancer microenvironment. <i>Clinical and Translational Oncology</i> , 2009, 11, 715-720.	1.2	27
1406	New therapeutics targeting colon cancer stem cells. <i>Current Colorectal Cancer Reports</i> , 2009, 5, 209-216.	1.0	44
1407	Crystal structure of the MH2 domain of Drosophila Mad. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 539-544.	1.3	5
1408	The Effect of Tanshinone IIA upon the TGF-beta1/Smads signaling pathway in hypertrophic myocardium of hypertensive rats. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2009, 29, 476-480.	1.0	12
1409	Bone morphogenetic protein (BMP)-responsive elements located in the proximal and distal hepcidin promoter are critical for its response to HJV/BMP/SMAD. <i>Journal of Molecular Medicine</i> , 2009, 87, 471-480.	1.7	139

#	ARTICLE	IF	CITATIONS
1410	Calcium signaling-induced Smad3 nuclear accumulation induces acetylcholinesterase transcription in apoptotic HeLa cells. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2181-2193.	2.4	7
1411	Upregulation of mRNA expression of MCP-1 by TGF- $\beta$ 1 in fibroblast cells from Peyronie's disease. <i>World Journal of Urology</i> , 2009, 27, 123-130.	1.2	25
1412	Analysis of Ventricular Hypertrabeculation and Noncompaction Using Genetically Engineered Mouse Models. <i>Pediatric Cardiology</i> , 2009, 30, 626-634.	0.6	67
1413	Smad, PI3K/Akt, and Wnt-Dependent Signaling Pathways Are Involved in BMP-4-Induced ESC Self-Renewal. <i>Stem Cells</i> , 2009, 27, 1858-1868.	1.4	71
1414	Subcellular fractionation of TGF- $\beta$ 1-stimulated lung epithelial cells: A novel proteomic approach for identifying signaling intermediates. <i>Proteomics</i> , 2009, 9, 1230-1240.	1.3	14
1415	Syndromic and non-syndromic aneurysms of the human ascending aorta share activation of the Smad2 pathway. <i>Journal of Pathology</i> , 2009, 218, 131-142.	2.1	162
1416	A case-control study of childhood acute lymphoblastic leukaemia and polymorphisms in the TGF- $\beta$ 2 and receptor genes. <i>Pediatric Blood and Cancer</i> , 2009, 52, 819-823.	0.8	9
1417	Role of host genetics in fibrosis. <i>Fibrogenesis and Tissue Repair</i> , 2009, 2, 6.	3.4	35
1418	Promoter-wide analysis of Smad4 binding sites in human epithelial cells. <i>Cancer Science</i> , 2009, 100, 2133-2142.	1.7	61
1419	Fibroblastic response to treatment with different preparations rich in growth factors. <i>Cell Proliferation</i> , 2009, 42, 162-170.	2.4	221
1420	Transforming growth factor- $\beta$ 2 in allergic inflammatory disease of the upper airways: friend or foe?. <i>Clinical and Experimental Allergy</i> , 2009, 39, 1128-1135.	1.4	24
1421	Signaling cross-talk between TGF- $\beta$ /BMP and other pathways. <i>Cell Research</i> , 2009, 19, 71-88.	5.7	870
1422	Endocytic regulation of TGF- $\beta$ signaling. <i>Cell Research</i> , 2009, 19, 58-70.	5.7	243
1423	Roles of TGF- $\beta$ 2 in metastasis. <i>Cell Research</i> , 2009, 19, 89-102.	5.7	739
1424	Nucleocytoplasmic shuttling of Smad proteins. <i>Cell Research</i> , 2009, 19, 36-46.	5.7	199
1425	TGF- $\beta$ 2 signaling in vascular biology and dysfunction. <i>Cell Research</i> , 2009, 19, 116-127.	5.7	476
1426	Phospho-control of TGF- $\beta$ 2 superfamily signaling. <i>Cell Research</i> , 2009, 19, 8-20.	5.7	316
1427	Mutational analysis of the ACVR1 gene in Italian patients affected with fibrodysplasia ossificans progressiva: confirmations and advancements. <i>European Journal of Human Genetics</i> , 2009, 17, 311-318.	1.4	96

#	ARTICLE	IF	CITATIONS
1428	Novel crosstalk to BMP signalling: cGMP-dependent kinase I modulates BMP receptor and Smad activity. <i>EMBO Journal</i> , 2009, 28, 1537-1550.	3.5	69
1429	SnoN functions as a tumour suppressor by inducing premature senescence. <i>EMBO Journal</i> , 2009, 28, 3500-3513.	3.5	34
1430	Differential expression of SMAD3 transcripts is not regulated by cis-acting genetic elements but has a gender specificity. <i>Genes and Immunity</i> , 2009, 10, 192-196.	2.2	11
1431	TGF- $\beta^2$ induces apoptosis in human B cells by transcriptional regulation of BIK and BCL-XL. <i>Cell Death and Differentiation</i> , 2009, 16, 593-602.	5.0	83
1432	Lack of the bone morphogenetic protein BMP6 induces massive iron overload. <i>Nature Genetics</i> , 2009, 41, 478-481.	9.4	529
1433	BMP6 is a key endogenous regulator of hepcidin expression and iron metabolism. <i>Nature Genetics</i> , 2009, 41, 482-487.	9.4	678
1434	The cunning little vixen: Foxo and the cycle of life and death. <i>Nature Immunology</i> , 2009, 10, 1057-1063.	7.0	149
1435	TGF- $\beta^2$ -mediated activation of RhoA signalling is required for efficient V12HaRas and V600EBRAF transformation. <i>Oncogene</i> , 2009, 28, 983-993.	2.6	42
1436	Blockade of Cripto binding to cell surface GRP78 inhibits oncogenic Cripto signaling via MAPK/PI3K and Smad2/3 pathways. <i>Oncogene</i> , 2009, 28, 2324-2336.	2.6	166
1437	Elevated level of inhibin- $\beta$ subunit is pro-tumourigenic and pro-metastatic and associated with extracapsular spread in advanced prostate cancer. <i>British Journal of Cancer</i> , 2009, 100, 1784-1793.	2.9	26
1438	Importins and Beyond: Non-Conventional Nuclear Transport Mechanisms. <i>Traffic</i> , 2009, 10, 1188-1198.	1.3	143
1439	Control of transforming growth factor $\beta^2$ signal transduction by small GTPases. <i>FEBS Journal</i> , 2009, 276, 2947-2965.	2.2	88
1440	Development, repair and fibrosis: What is common and why it matters. <i>Respirology</i> , 2009, 14, 656-665.	1.3	70
1441	Complex and Context Dependent Regulation of Hematopoiesis by TGF- $\beta^2$ Superfamily Signaling. <i>Annals of the New York Academy of Sciences</i> , 2009, 1176, 55-69.	1.8	99
1442	Targeted disruption of Smad3 confers resistance to the development of dimethylnitrosamine-induced hepatic fibrosis in mice. <i>Liver International</i> , 2009, 29, 997-1009.	1.9	93
1443	The core aldehyde 9-oxononanoyl cholesterol increases the level of transforming growth factor- $\beta^2$ -specific receptors on promonocytic U937 cell membranes. <i>Aging Cell</i> , 2009, 8, 77-87.	3.0	8
1444	A mathematical model of the stoichiometric control of Smad complex formation in TGF- signal transduction pathway. <i>Journal of Theoretical Biology</i> , 2009, 259, 389-403.	0.8	6
1445	Blood-brain barrier breakdown-inducing astrocytic transformation: Novel targets for the prevention of epilepsy. <i>Epilepsy Research</i> , 2009, 85, 142-149.	0.8	238

#	ARTICLE	IF	CITATIONS
1446	Cell-Intrinsic Transforming Growth Factor- $\beta$ 2 Signaling Mediates Virus-Specific CD8+ T Cell Deletion and Viral Persistence In Vivo. <i>Immunity</i> , 2009, 31, 145-157.	6.6	224
1447	Hypoxia and HIF1 $\alpha$ Repress the Differentiative Effects of BMPs in High-Grade Glioma. <i>Stem Cells</i> , 2009, 27, 7-17.	1.4	100
1448	SOX9 Directly Binds CREB as a Novel Synergism With the PKA Pathway in BMP-2-Induced Osteochondrogenic Differentiation. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 826-836.	3.1	47
1449	Estrogens attenuate oxidative stress and the differentiation and apoptosis of osteoblasts by DNA-binding-independent actions of the ER $\alpha$ . <i>Journal of Bone and Mineral Research</i> , 2010, 25, 769-781.	3.1	99
1450	Smad4-Shh-Nfic signaling cascade-mediated epithelial-mesenchymal interaction is crucial in regulating tooth root development. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1167-1178.	3.1	124
1451	Regulation of in vitro and in vivo differentiation of mouse embryonic stem cells, embryonic germ cells and teratocarcinoma cells by TGF $\beta$ 2 family signaling factors. <i>Russian Journal of Developmental Biology</i> , 2009, 40, 325-338.	0.1	7
1452	Novel Regulation of Smad3 Oligomerization and DNA Binding by Its Linker Domain. <i>Biochemistry</i> , 2009, 48, 8366-8378.	1.2	15
1453	A Comprehensive Analysis of the Dual Roles of BMPs in Regulating Adipogenic and Osteogenic Differentiation of Mesenchymal Progenitor Cells. <i>Stem Cells and Development</i> , 2009, 18, 545-558.	1.1	341
1454	TGF- $\beta$ 2 and BMPR-II pharmacology implications for pulmonary vascular diseases. <i>Current Opinion in Pharmacology</i> , 2009, 9, 274-280.	1.7	44
1455	The FOP metamorphogene encodes a novel type I receptor that dysregulates BMP signaling. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 399-407.	3.2	60
1456	Recent advances in BMP receptor signaling. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 343-355.	3.2	404
1457	The RGM/DRAGON family of BMP co-receptors. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 389-398.	3.2	102
1458	Integration of BMP and Wnt signaling via vertebrate Smad1/5/8 and Drosophila Mad. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 357-365.	3.2	59
1459	Intricacies of BMP receptor assembly. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 367-377.	3.2	85
1460	Essential Role of TGF- $\beta$ 2 Signaling in Glucose-Induced Cell Hypertrophy. <i>Developmental Cell</i> , 2009, 17, 35-48.	3.1	145
1461	Bone Ridge Patterning during Musculoskeletal Assembly Is Mediated through SCX Regulation of Bmp4 at the Tendon-Skeleton Junction. <i>Developmental Cell</i> , 2009, 17, 861-873.	3.1	270
1462	Sustained co-cultivation with human placenta-derived MSCs enhances ALK5/Smad3 signaling in human breast epithelial cells, leading to EMT and differentiation. <i>Differentiation</i> , 2009, 77, 450-461.	1.0	9
1463	Smad3 activates the Sox9-dependent transcription on chromatin. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1198-1204.	1.2	75



#	ARTICLE	IF	CITATIONS
1464	Overexpression of bone morphogenetic protein 4 enhances the invasiveness of Smad4-deficient human colorectal cancer cells. <i>Cancer Letters</i> , 2009, 281, 220-231.	3.2	46
1465	Molecular mechanisms of pulmonary hypertension. <i>Clinica Chimica Acta</i> , 2009, 403, 9-16.	0.5	44
1466	A Signaling Principle for the Specification of the Germ Cell Lineage in Mice. <i>Cell</i> , 2009, 137, 571-584.	13.5	471
1467	Protection of cerulein-induced pancreatic fibrosis by pancreas-specific expression of Smad7. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 56-60.	1.8	27
1468	TGF- $\beta$ 2 and fibrosis in different organs – molecular pathway imprints. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 746-756.	1.8	518
1469	TGF- $\beta$ 1 modulates focal adhesion kinase expression in rat intestinal epithelial IEC-6 cells via stimulatory and inhibitory Smad binding elements. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009, 1789, 88-98.	0.9	16
1470	High yield expression and NMR characterization of Arkadia E3 ubiquitin ligase RING-H2 finger domain. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 498-502.	1.0	22
1471	Bone morphogenetic protein-2 down-regulates miR-206 expression by blocking its maturation process. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 125-129.	1.0	44
1472	Traf2 interacts with Smad4 and regulates BMP signaling pathway in MC3T3-E1 osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 775-779.	1.0	10
1473	Stage- and area-specific control of stem cells in the developing nervous system. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 454-460.	1.5	19
1474	GDF3 is a BMP inhibitor that can activate Nodal signaling only at very high doses. <i>Developmental Biology</i> , 2009, 325, 43-48.	0.9	35
1475	Smad2/3 activities are required for induction and patterning of the neuroectoderm in zebrafish. <i>Developmental Biology</i> , 2009, 333, 273-284.	0.9	35
1476	Activin promotes differentiation of cultured mouse trophoblast stem cells towards a labyrinth cell fate. <i>Developmental Biology</i> , 2009, 335, 120-131.	0.9	66
1477	Gender differences of echocardiographic and gene expression patterns in human pressure overload left ventricular hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 526-535.	0.9	69
1478	Cumulative ligand activity of NODAL mutations and modifiers are linked to human heart defects and holoprosencephaly. <i>Molecular Genetics and Metabolism</i> , 2009, 98, 225-234.	0.5	67
1479	Smad2 isoforms are differentially expressed during mouse brain development and aging. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 501-510.	0.7	21
1480	Primary ovarian insufficiency: X chromosome defects and autoimmunity. <i>Journal of Autoimmunity</i> , 2009, 33, 35-41.	3.0	100
1481	Sox9 Represses $\beta$ -Sarcoglycan Gene Expression in Early Myogenic Differentiation. <i>Journal of Molecular Biology</i> , 2009, 394, 1-14.	2.0	18

#	ARTICLE	IF	CITATIONS
1482	A combination of PPAR- $\hat{1}^3$ agonists and HMG CoA reductase inhibitors (statins) as a new therapy for the conservative treatment of AAS (aortic aneurysm syndromes). <i>Medical Hypotheses</i> , 2009, 73, 614-618.	0.8	11
1483	TACE-Mediated Ectodomain Shedding of the Type I TGF- $\hat{1}^2$ Receptor Downregulates TGF- $\hat{1}^2$ Signaling. <i>Molecular Cell</i> , 2009, 35, 26-36.	4.5	120
1484	Ubiquitin Ligase Nedd4L Targets Activated Smad2/3 to Limit TGF- $\hat{1}^2$ Signaling. <i>Molecular Cell</i> , 2009, 36, 457-468.	4.5	306
1485	Suppressed acute phase response to LPS-induced hepatic injury in Smad3-deficient mice. <i>Molecular Immunology</i> , 2009, 46, 362-365.	1.0	8
1486	TGF- $\hat{1}^2$ and kynurenines as the key to infectious tolerance. <i>Trends in Molecular Medicine</i> , 2009, 15, 41-49.	3.5	121
1487	Apoptosis and colorectal cancer: implications for therapy. <i>Trends in Molecular Medicine</i> , 2009, 15, 225-233.	3.5	89
1488	The Extracellular Matrix: Not Just Pretty Fibrils. <i>Science</i> , 2009, 326, 1216-1219.	6.0	2,754
1489	Future Perspectives for the Treatment of Pulmonary Arterial Hypertension. <i>Journal of the American College of Cardiology</i> , 2009, 54, S108-S117.	1.2	62
1490	Genetics and Genomics of Pulmonary Arterial Hypertension. <i>Journal of the American College of Cardiology</i> , 2009, 54, S32-S42.	1.2	342
1491	Activin and transforming growth factor- $\hat{1}^2$ signaling pathways are activated after allergen challenge in mild asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 454-462.	1.5	69
1492	Quantitative Modeling and Analysis of the Transforming Growth Factor $\hat{1}^2$ Signaling Pathway. <i>Biophysical Journal</i> , 2009, 96, 1733-1750.	0.2	53
1493	The Drosophila Activin-like ligand Dawdle signals preferentially through one isoform of the Type-I receptor Baboon. <i>Mechanisms of Development</i> , 2009, 126, 950-957.	1.7	39
1494	Bone Morphogenetic Protein Signaling Is Impaired in an Hfe Knockout Mouse Model of Hemochromatosis. <i>Gastroenterology</i> , 2009, 137, 1489-1497.	0.6	131
1495	Differential Gene Expression in Models of Pituitary Prolactin-Producing Tumoral Cells. <i>Hormone Research in Paediatrics</i> , 2009, 71, 88-94.	0.8	7
1496	TGF- $\hat{1}^2$ 3: A potential biological therapy for enhancing chondrogenesis. <i>Expert Opinion on Biological Therapy</i> , 2009, 9, 689-701.	1.4	95
1497	Fibroblasts. , 2009, , 193-200.		6
1498	TGF- $\hat{1}^2$ Inhibits CYP17 Transcription in H295R Cells Acting via Activin Receptor-Like Kinase 5. <i>Endocrine Research</i> , 2009, 34, 68-79.	0.6	5
1499	Expressed Protein Ligation (EPL) in the Study of Signal Transduction, Ion Conduction, And Chromatin Biology. <i>Accounts of Chemical Research</i> , 2009, 42, 107-116.	7.6	110

#	ARTICLE	IF	CITATIONS
1500	Estrogen and progesterone receptors have distinct roles in the establishment of the hyperplastic phenotype in PR-A transgenic mice. <i>Breast Cancer Research</i> , 2009, 11, R72.	2.2	14
1501	Comparison the Effects of BMP-4 and BMP-7 on Articular Cartilage Repair with Bone Marrow Mesenchymal Stem Cells. <i>IFMBE Proceedings</i> , 2009, , 1285-1288.	0.2	2
1502	Development and Engineering of Dopamine Neurons. <i>Advances in Experimental Medicine and Biology</i> , 2009, , .	0.8	6
1503	Platelet-Rich Therapies in the Treatment of Orthopaedic Sport Injuries. <i>Sports Medicine</i> , 2009, 39, 345-354.	3.1	275
1504	Signalling Through Receptor Serine/Threonine Kinases. , 2009, , 599-639.		0
1505	Modulation of TGF $\beta$ 1-Dependent Myofibroblast Differentiation by Hyaluronan. <i>American Journal of Pathology</i> , 2009, 175, 148-160.	1.9	106
1506	Biological Mechanisms in Palatogenesis and Cleft Palate. <i>Journal of Dental Research</i> , 2009, 88, 22-33.	2.5	147
1507	Avotermin for the improvement of scar appearance: a new pharmaceutical in a new therapeutic area. <i>Expert Opinion on Investigational Drugs</i> , 2009, 18, 1231-1239.	1.9	28
1508	The basics of epithelial-mesenchymal transition. <i>Journal of Clinical Investigation</i> , 2009, 119, 1420-1428.	3.9	8,252
1509	Activin-A attenuates several human natural killer cell functions. <i>Blood</i> , 2009, 113, 3218-3225.	0.6	61
1510	Regulation of growth differentiation factor 15 expression by intracellular iron. <i>Blood</i> , 2009, 113, 1555-1563.	0.6	75
1511	Molecular cloning, characterization and tissue distribution of six splice variants of activin type IIA receptor (ActRIIA) from grass carp ( <i>Ctenopharyngodon idellus</i> ). <i>Genes and Genetic Systems</i> , 2009, 84, 335-344.	0.2	2
1512	Identification of Differentially Expressed Genes During Proliferative Response of the Liver Induced by Follistatin. <i>Endocrine Journal</i> , 2009, 56, 1067-1077.	0.7	3
1513	Regulation of TGF- $\beta$ 2 signalling by Fbxo11, the gene mutated in the Jeff otitis media mouse mutant. <i>PathoGenetics</i> , 2009, 2, 5.	5.7	51
1514	Halofuginone mediated protection against radiation-induced leg contracture. <i>International Journal of Oncology</i> , 2009, , .	1.4	8
1515	Inhibiting Breast Cancer Progression by Exploiting TGF $\beta$ Signaling. <i>Current Drug Targets</i> , 2010, 11, 1089-1102.	1.0	5
1516	SnoN: Bridging Neurobiology and Cancer Biology. <i>Current Molecular Medicine</i> , 2010, 10, 667-673.	0.6	6
1517	The role of growth factors in foot and ankle surgery. <i>Current Orthopaedic Practice</i> , 2010, 21, 245-250.	0.1	1

#	ARTICLE	IF	CITATIONS
1518	Soluble transforming growth factor- $\beta$ 1 receptor II might inhibit transforming growth factor- $\beta$ 2-induced myofibroblast differentiation and improve ischemic cardiac function after myocardial infarction in rats. <i>Coronary Artery Disease</i> , 2010, 21, 369-377.	0.3	7
1519	Endothelin-1 Stimulation of Proteoglycan Synthesis in Vascular Smooth Muscle is Mediated by Endothelin Receptor Transactivation of the Transforming Growth Factor- $\beta$ Type I Receptor. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 56, 360-368.	0.8	52
1520	Connecting Transcriptional Control to Chromosome Structure and Human Disease. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2010, 75, 227-235.	2.0	14
1521	Canonical BMP signaling is dispensable for hematopoietic stem cell function in both adult and fetal liver hematopoiesis, but essential to preserve colon architecture. <i>Blood</i> , 2010, 115, 4689-4698.	0.6	50
1522	ALK1 signaling regulates early postnatal lymphatic vessel development. <i>Blood</i> , 2010, 115, 1654-1661.	0.6	85
1523	SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. <i>Blood</i> , 2010, 115, 2657-2665.	0.6	112
1524	Functional interaction between Smad3 and S100A4 (metastatin-1) for TGF- $\beta$ 2-mediated cancer cell invasiveness. <i>Biochemical Journal</i> , 2010, 426, 327-335.	1.7	47
1525	TGF- $\beta$ 2 (transforming growth factor $\beta$ 2) receptor type III directs clathrin-mediated endocytosis of TGF- $\beta$ 2 receptor types I and II. <i>Biochemical Journal</i> , 2010, 429, 137-145.	1.7	39
1526	Pulmonary Vascular Disease Related to Hemodynamic Stress in the Pulmonary Circulation. , 2011, 1, 123-139.		4
1527	Potentials of transforming growth factors alpha and beta-1 in predicting the clinical outcome of bladder carcinoma. <i>International Journal of Immunological Studies</i> , 2010, 1, 169.	0.2	0
1528	Wnt inhibitors <i>Dkk1</i> and <i>Sost</i> are downstream targets of BMP signaling through the type IA receptor (BMPRIA) in osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 200-210.	3.1	190
1529	The molecular machinery of germ line specification. <i>Molecular Reproduction and Development</i> , 2010, 77, 3-18.	1.0	156
1530	The predictive value of genes of the TGF- $\beta$ 1 pathway in multimodally treated squamous cell carcinoma of the esophagus. <i>International Journal of Colorectal Disease</i> , 2010, 25, 515-521.	1.0	11
1531	Changes in expression, and/or mutations in TGF- $\beta$ 2 receptors (TGF- $\beta$ 2 RI and TGF- $\beta$ 2 RII) and Smad 4 in human ovarian tumors. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010, 136, 351-361.	1.2	31
1532	Effects of TGF- $\beta$ 1 on the proliferation and differentiation of human periodontal ligament cells and a human periodontal ligament stem/progenitor cell line. <i>Cell and Tissue Research</i> , 2010, 342, 233-242.	1.5	72
1533	Regulation of neural stem cell by bone morphogenetic protein (BMP) signaling during brain development. <i>Frontiers in Biology</i> , 2010, 5, 380-385.	0.7	2
1534	Unveiling Hair Follicle Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2010, 6, 658-664.	5.6	43
1535	Targeting Smad4 links microRNA-146a to the TGF- $\beta$ 2 pathway during retinoid acid induction in acute promyelocytic leukemia cell line. <i>International Journal of Hematology</i> , 2010, 92, 129-135.	0.7	75

#	ARTICLE	IF	CITATIONS
1536	The Pathogenesis of Aortopathy in Marfan Syndrome and Related Diseases. <i>Current Cardiology Reports</i> , 2010, 12, 99-107.	1.3	24
1537	Role for TGF- $\beta$ 2 superfamily signaling in telencephalic GABAergic neuron development. <i>Journal of Neurodevelopmental Disorders</i> , 2010, 2, 48-60.	1.5	38
1538	Cell Polarity in Motion: Redefining Mammary Tissue Organization Through EMT and Cell Polarity Transitions. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2010, 15, 149-168.	1.0	70
1539	Association of a TGF- $\beta$ 1 gene $\sim$ 509 C/T polymorphism with breast cancer risk: a meta-analysis. <i>Breast Cancer Research and Treatment</i> , 2010, 124, 481-485.	1.1	16
1540	Molecular Mechanisms of Heparin Regulation: Implications for the Anemia of CKD. <i>American Journal of Kidney Diseases</i> , 2010, 55, 726-741.	2.1	203
1541	Factors Associated With Free Flap Complications After Head and Neck Reconstruction and the Molecular Basis of Fibrotic Tissue Rearrangement in Preirradiated Soft Tissue. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010, 68, 2169-2178.	0.5	45
1542	Regulators and mediators of radiation-induced fibrosis: Gene expression profiles and a rationale for Smad3 inhibition. <i>Otolaryngology - Head and Neck Surgery</i> , 2010, 143, 525-530.	1.1	19
1543	Distinguishing between cancer driver and passenger gene alteration candidates via cross-species comparison: a pilot study. <i>BMC Cancer</i> , 2010, 10, 426.	1.1	17
1544	Signalling pathways in vasculogenic mimicry. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010, 1806, 18-28.	3.3	135
1545	Ischemia induced neural stem cell proliferation and differentiation in neonatal rat involved vascular endothelial growth factor and transforming growth factor-beta pathways. <i>Brain and Development</i> , 2010, 32, 191-200.	0.6	18
1546	Targets and consequences of protein SUMOylation in neurons. <i>Brain Research Reviews</i> , 2010, 64, 195-212.	9.1	113
1547	Roles for the type III TGF- $\beta$ 2 receptor in human cancer. <i>Cellular Signalling</i> , 2010, 22, 1163-1174.	1.7	154
1548	SMAD3 and EGR1 physically and functionally interact in promoter-specific fashion. <i>Cellular Signalling</i> , 2010, 22, 936-943.	1.7	16
1549	TGF- $\beta$ 1 suppresses IL-6-induced STAT3 activation through regulation of Jak2 expression in prostate epithelial cells. <i>Cellular Signalling</i> , 2010, 22, 1734-1744.	1.7	25
1550	Chloride channels of intracellular membranes. <i>FEBS Letters</i> , 2010, 584, 2102-2111.	1.3	67
1551	Coffee and liver diseases. <i>F3-toterap3-c</i> , 2010, 81, 297-305.	1.1	82
1552	Oxidative stress and glutathione in TGF- $\beta$ 2-mediated fibrogenesis. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1-15.	1.3	384
1553	Halofuginone inhibits Smad3 phosphorylation via the PI3K/Akt and MAPK/JERK pathways in muscle cells: Effect on myotube fusion. <i>Experimental Cell Research</i> , 2010, 316, 1061-1069.	1.2	63

#	ARTICLE	IF	CITATIONS
1554	Bmi-1 extends the life span of normal human oral keratinocytes by inhibiting the TGF- $\beta^2$ signaling. <i>Experimental Cell Research</i> , 2010, 316, 2600-2608.	1.2	28
1555	Regulation and dysregulation of fibrosis in skeletal muscle. <i>Experimental Cell Research</i> , 2010, 316, 3050-3058.	1.2	247
1556	TGF $\beta^2$ 1 induces Jagged1 expression in astrocytes via ALK5 and Smad3 and regulates the balance between oligodendrocyte progenitor proliferation and differentiation. <i>Glia</i> , 2010, 58, 964-974.	2.5	47
1557	Epigenetic regulation of cancer stem cell marker CD133 by transforming growth factor- $\beta^2$ . <i>Hepatology</i> , 2010, 51, 1635-1644.	3.6	190
1558	Cytosolic phospholipase A2 $\pm$ and peroxisome proliferator-activated receptor $\beta^3$ signaling pathway counteracts transforming growth factor $\beta^2$ -mediated inhibition of primary and transformed hepatocyte growth. <i>Hepatology</i> , 2010, 52, 644-655.	3.6	38
1559	Targeting TGF- $\beta^2$ 1 by employing a vaccine ameliorates fibrosis in a mouse model of chronic colitis. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1040-1050.	0.9	44
1560	Role of transforming growth factor- $\beta^2$ in inflammatory bowel disease and colitis-associated colon cancer. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1963-1968.	0.9	74
1561	Spred2 inhibits TGF $\beta^2$ 1-induced urokinase type plasminogen activator expression, cell motility and epithelial mesenchymal transition. <i>International Journal of Cancer</i> , 2010, 127, 77-85.	2.3	11
1562	<i>In vitro</i> cartilage formation using TGF $\beta^2$ 1-immobilized magnetic beads and mesenchymal stem cell-magnetic bead complexes under magnetic field conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 196-204.	2.1	23
1563	Carboxymethyl-chitin promotes chondrogenesis by inducing the production of growth factors from immune cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 1034-1041.	2.1	2
1564	Insulin-like growth factor 2 (IGF-2) potentiates BMP-9-induced osteogenic differentiation and bone formation. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2447-2459.	3.1	224
1565	Enhanced differentiation of human embryonic stem cells to mesenchymal progenitors by inhibition of TGF- $\beta^2$ /activin/nodal signaling using SB-431542. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1216-1233.	3.1	102
1566	Tissue geometry patterns epithelial-mesenchymal transition via intercellular mechanotransduction. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 44-51.	1.2	178
1567	Inhibition of connective tissue growth factor/CCN2 expression in human dermal fibroblasts by interleukin-1 $\pm$ and $\beta^2$ . <i>Journal of Cellular Biochemistry</i> , 2010, 110, 1226-1233.	1.2	15
1568	Thapsigargin-induced Ca <sup>2+</sup> increase inhibits TGF $\beta^2$ 1-mediated Smad2 transcriptional responses via Ca <sup>2+</sup> /calmodulin-dependent protein kinase II. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1222-1230.	1.2	11
1569	Reversible Dimerization of EGFR Revealed by Single-Molecule Fluorescence Imaging Using Quantum Dots. <i>Chemistry - A European Journal</i> , 2010, 16, 1186-1192.	1.7	75
1570	Regulation of CCN2/Connective tissue growth factor expression in the nucleus pulposus of the intervertebral disc: Role of Smad and activator protein 1 signaling. <i>Arthritis and Rheumatism</i> , 2010, 62, 1983-1992.	6.7	54
1571	Transforming Growth Factor $\beta^2$ Suppressed Id $\beta^1$ Expression in a smad3-Dependent Manner in LoVo Cells. <i>Anatomical Record</i> , 2010, 293, 42-47.	0.8	5

#	ARTICLE	IF	CITATIONS
1572	Src is a major signaling component for CTGF induction by TGF $\beta$ <sup>21</sup> in osteoblasts. Journal of Cellular Physiology, 2010, 224, 691-701.	2.0	33
1573	Glucosamine promotes osteogenic differentiation of dental pulp stem cells through modulating the level of the transforming growth factor $\beta$ <sup>2</sup> type I receptor. Journal of Cellular Physiology, 2010, 225, 140-151.	2.0	15
1574	GDF $\beta$ <sup>9</sup> promotes the growth of prostate cancer cells by protecting them from apoptosis. Journal of Cellular Physiology, 2010, 225, 529-536.	2.0	6
1575	An efficient method for expression in Escherichia coli and purification of the extracellular ligand binding domain of the human TGF $\beta$ <sup>2</sup> type II receptor. Journal of Biotechnology, 2010, 148, 113-118.	1.9	5
1576	In vitro engineered cartilage using synovium-derived mesenchymal stem cells with injectable gellan hydrogels. Acta Biomaterialia, 2010, 6, 1178-1185.	4.1	70
1577	Differentiation of pre-osteoblast cells on poly(ethylene terephthalate) grafted with RGD and/or BMPs mimetic peptides. Biomaterials, 2010, 31, 8245-8253.	5.7	111
1578	Synergistic and combinatorial control of T cell activation and differentiation by transcription factors. Current Opinion in Immunology, 2010, 22, 286-292.	2.4	28
1579	Focus on composition and interaction potential of single $\beta$ pass transmembrane domains. Proteomics, 2010, 10, 4196-4208.	1.3	44
1580	The Role of SMAD4 in Human Embryonic Stem Cell Self-Renewal and Stem Cell Fate. Stem Cells, 2010, 28, N/A-N/A.	1.4	38
1581	Essential role for Smad3 in angiotensin II $\beta$ induced tubular epithelial $\beta$ mesenchymal transition. Journal of Pathology, 2010, 221, 390-401.	2.1	91
1582	Elevated TGF $\beta$ <sup>2</sup> $\beta$ Smad signalling in experimental <i>Pkd1</i> models and human patients with polycystic kidney disease. Journal of Pathology, 2010, 222, 21-31.	2.1	89
1583	Alcohol, Signaling, and ECM Turnover. Alcoholism: Clinical and Experimental Research, 2010, 34, 4-18.	1.4	33
1584	Somatic frameshift mutations of <i>bone morphogenic protein receptor 2</i> gene in gastric and colorectal cancers with microsatellite instability. Apms, 2010, 118, 824-829.	0.9	15
1585	Molecular basis of cytokine signalling $\beta$ theme and variations. FEBS Journal, 2010, 277, 106-118.	2.2	5
1586	Mechanisms of transforming growth factor $\beta$ <sup>1</sup> /Smad signalling mediated by mitogen-activated protein kinase pathways in keloid fibroblasts. British Journal of Dermatology, 2010, 162, 538-546.	1.4	94
1587	Transforming growth factor $\beta$ <sup>21</sup> in asthmatic airway smooth muscle enlargement: is fibroblast growth factor $\beta$ <sup>2</sup> required?. Clinical and Experimental Allergy, 2010, 40, 710-724.	1.4	23
1588	c-Ski promotes skin fibroblast proliferation but decreases type I collagen: implications for wound healing and scar formation. Clinical and Experimental Dermatology, 2010, 35, 417-424.	0.6	25
1589	A conserved activation element in BMP signaling during Drosophila development. Nature Structural and Molecular Biology, 2010, 17, 69-76.	3.6	88

#	ARTICLE	IF	CITATIONS
1590	Processing of CD109 by furin and its role in the regulation of TGF- $\beta$ signaling. <i>Oncogene</i> , 2010, 29, 2181-2191.	2.6	69
1591	Tumor suppressor Fbxw7 regulates TGF- $\beta$ signaling by targeting TGIF1 for degradation. <i>Oncogene</i> , 2010, 29, 5322-5328.	2.6	43
1592	TGF- $\beta$ signaling in head and neck squamous cell carcinoma. <i>Oncogene</i> , 2010, 29, 5437-5446.	2.6	94
1593	PTH battles TGF- $\beta$ in bone. <i>Nature Cell Biology</i> , 2010, 12, 205-207.	4.6	21
1594	TGF- $\beta$ signalling: a complex web in cancer progression. <i>Nature Reviews Cancer</i> , 2010, 10, 415-424.	12.8	1,008
1595	More than an accessory: implications of type III transforming growth factor- $\beta$ receptor loss in prostate cancer. <i>BJU International</i> , 2010, 105, 913-916.	1.3	15
1596	Alternative splicing of SMADs in differentiation and tissue homeostasis. <i>Development Growth and Differentiation</i> , 2010, 52, 335-342.	0.6	24
1597	Aberrant Signaling Pathways in Pancreatic Cancer. , 2010, , 2783-2798.		0
1598	Smad4-mediated TGF- $\beta$ signaling in tumorigenesis. <i>International Journal of Biological Sciences</i> , 2010, 6, 1-8.	2.6	123
1600	Signaling Pathways in Valve Formation. , 2010, , 389-413.		1
1601	Importance of CD109 and Transforming Growth Factor- $\beta$ Signaling in Psoriasis. <i>Psoriasis Forum</i> , 2010, 16a, 16-19.	0.1	0
1602	Angiogenesis Signaling Pathways as Targets in Cancer Therapy. , 2010, , 2895-2905.		4
1603	Attenuation of the Transforming Growth Factor - $\beta$ -Signaling Pathway in Chronic Venous Ulcers. <i>Molecular Medicine</i> , 2010, 16, 92-101.	1.9	128
1604	Expression of SMAD proteins, TGF-beta/activin signaling mediators, in human thyroid tissues. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2010, 54, 406-412.	1.3	36
1605	Tumor-Bone Cell Interactions in Bone Metastases. , 2010, , 9-40.		1
1606	Lysophosphatidic Acid Upregulates Laminin-332 Expression during A431 Cell Colony Dispersal. <i>Journal of Oncology</i> , 2010, 2010, 1-8.	0.6	8
1607	Mechanism of the transforming growth factor- $\beta$ induction of fibronectin expression in hepatic stem-like cells. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 36-42.	0.7	14
1608	Retinoic Acids Potentiate BMP9-Induced Osteogenic Differentiation of Mesenchymal Progenitor Cells. <i>PLoS ONE</i> , 2010, 5, e11917.	1.1	119



#	ARTICLE	IF	CITATIONS
1609	TGF $\beta$ 1 Attenuates Expression of Prolactin and IGFBP-1 in Decidualized Endometrial Stromal Cells by Both SMAD-Dependent and SMAD-Independent Pathways. PLoS ONE, 2010, 5, e12970.	1.1	22
1610	PPAR $\beta$ Downregulation by TGF $\beta$ in Fibroblast and Impaired Expression and Function in Systemic Sclerosis: A Novel Mechanism for Progressive Fibrogenesis. PLoS ONE, 2010, 5, e13778.	1.1	158
1611	Suppression of TGF $\beta$ 2-Induced Epithelial-Mesenchymal Transition Like Phenotype by a PIAS1 Regulated Sumoylation Pathway in NMuMG Epithelial Cells. PLoS ONE, 2010, 5, e13971.	1.1	45
1612	TGF $\beta$ signaling, tumor microenvironment and tumor progression: the butterfly effect. Frontiers in Bioscience - Landmark, 2010, 15, 180.	3.0	69
1613	Myocardial deletion of <i>Smad4</i> using a novel skeletal muscle actin Cre recombinase transgenic mouse causes misalignment of the cardiac outflow tract. International Journal of Biological Sciences, 2010, 6, 546-555.	2.6	25
1614	Chondroitin sulfate and growth factor signaling in the skeleton: Possible links to MPS VI. Journal of Pediatric Rehabilitation Medicine, 2010, 3, 129-138.	0.3	27
1615	Integration of BMP, RTK, and Wnt Signaling Through Smad1 Phosphorylations. , 2010, , 1989-1994.		0
1616	Zygotic VegT is required for Xenopus paraxial mesoderm formation and is regulated by Nodal signaling and Eomesodermin. International Journal of Developmental Biology, 2010, 54, 81-92.	0.3	23
1617	Dual Nature of TGF $\beta$ 1 in Osteoblastic Differentiation of Human Periodontal Ligament Cells. Journal of Hard Tissue Biology, 2010, 19, 187-194.	0.2	12
1618	Expression of Smad and its signalling cascade in osteosarcoma. Pathology, 2010, 42, 242-247.	0.3	11
1619	Overexpression of transforming growth factor- $\beta$ 1 in fetal monkey lung results in prenatal pulmonary fibrosis. European Respiratory Journal, 2010, 36, 907-914.	3.1	56
1620	Pin1 Promotes Transforming Growth Factor- $\beta$ 2-induced Migration and Invasion. Journal of Biological Chemistry, 2010, 285, 1754-1764.	1.6	86
1621	The Oncoprotein c-Ski Functions as a Direct Antagonist of the Transforming Growth Factor- $\beta$ 2 Type I Receptor. Cancer Research, 2010, 70, 8457-8466.	0.4	28
1622	Smad7 Regulates the Adult Neural Stem/Progenitor Cell Pool in a Transforming Growth Factor $\beta$ 2- and Bone Morphogenetic Protein-Independent Manner. Molecular and Cellular Biology, 2010, 30, 3685-3694.	1.1	23
1623	Regulation of TGF- $\beta$ 2 signalling by protein phosphatases. Biochemical Journal, 2010, 430, 191-198.	1.7	80
1624	Disrupted Transforming Growth Factor- $\beta$ 2 Signaling in Spinal and Bulbar Muscular Atrophy. Journal of Neuroscience, 2010, 30, 5702-5712.	1.7	76
1625	Intrinsic noise analysis and stochastic simulation on transforming growth factor beta signal pathway. Chinese Physics B, 2010, 19, 108202.	0.7	0
1626	Monomeric type I and type III transforming growth factor- $\beta$ 2 receptors and their dimerization revealed by single-molecule imaging. Cell Research, 2010, 20, 1216-1223.	5.7	46

#	ARTICLE	IF	CITATIONS
1628	Distinct functions of BMP4 during different stages of mouse ES cell neural commitment. <i>Development</i> (Cambridge), 2010, 137, 2095-2105.	1.2	115
1629	Coupling of tandem Smad ubiquitination regulatory factor (Smurf) WW domains modulates target specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18404-18409.	3.3	60
1630	Dragon Enhances BMP Signaling and Increases Transepithelial Resistance in Kidney Epithelial Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 666-677.	3.0	32
1631	Toxoplasma gondii Activates Hypoxia-inducible Factor (HIF) by Stabilizing the HIF-1 $\alpha$ Subunit via Type I Activin-like Receptor Kinase Receptor Signaling. <i>Journal of Biological Chemistry</i> , 2010, 285, 26852-26860.	1.6	65
1632	Carcinoembryonic Antigen Interacts with TGF- $\beta$ 2 Receptor and Inhibits TGF- $\beta$ 2 Signaling in Colorectal Cancers. <i>Cancer Research</i> , 2010, 70, 8159-8168.	0.4	58
1633	Cbl-b and Itch: Key Regulators of Peripheral T-cell Tolerance. <i>Cancer Research</i> , 2010, 70, 3009-3012.	0.4	39
1634	Heparan Sulfate Acts as a Bone Morphogenetic Protein Coreceptor by Facilitating Ligand-induced Receptor Hetero-oligomerization. <i>Molecular Biology of the Cell</i> , 2010, 21, 4028-4041.	0.9	96
1635	Bone morphogenetic proteins in breast cancer: dual role in tumourigenesis?. <i>Endocrine-Related Cancer</i> , 2010, 17, R123-R139.	1.6	99
1636	Fibrillin-1 and -2 differentially modulate endogenous TGF- $\beta$ 2 and BMP bioavailability during bone formation. <i>Journal of Cell Biology</i> , 2010, 190, 1107-1121.	2.3	173
1637	Regulation of Retinal Progenitor Cell Differentiation by Bone Morphogenetic Protein 4 Is Mediated by the Smad/Id Cascade. , 2010, 51, 3764.		25
1638	Specific Nucleoporin Requirement for Smad Nuclear Translocation. <i>Molecular and Cellular Biology</i> , 2010, 30, 4022-4034.	1.1	46
1639	Minocycline is cytoprotective in human corneal endothelial cells and induces anti-apoptotic B-cell CLL/lymphoma 2 (Bcl-2) and X-linked inhibitor of apoptosis (XIAP). <i>British Journal of Ophthalmology</i> , 2010, 94, 940-946.	2.1	13
1640	Nodal Signaling Regulates the Bone Morphogenic Protein Pluripotency Pathway in Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 19747-19756.	1.6	54
1641	Two Distinct Regions of Latency-associated Peptide Coordinate Stability of the Latent Transforming Growth Factor- $\beta$ 1 Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 17029-17037.	1.6	96
1642	Characterization of the Ligand Binding Functionality of the Extracellular Domain of Activin Receptor Type IIB. <i>Journal of Biological Chemistry</i> , 2010, 285, 21037-21048.	1.6	123
1643	PPARs and Anticancer Therapies. <i>PPAR Research</i> , 2010, 2010, 1-2.	1.1	5
1644	Androgen-mediated improvement of body composition and muscle function involves a novel early transcriptional program including IGF1, mechano growth factor, and induction of $\beta$ -catenin. <i>Journal of Molecular Endocrinology</i> , 2010, 44, 55-73.	1.1	68
1645	Therapeutic Implications of PPAR<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\beta</math></math> in Human Osteosarcoma. <i>PPAR Research</i> , 2010, 2010, 1-16.	1.1	43

#	ARTICLE	IF	CITATIONS
1646	Identification of a Lysosomal Pathway Regulating Degradation of the Bone Morphogenetic Protein Receptor Type II. <i>Journal of Biological Chemistry</i> , 2010, 285, 37641-37649.	1.6	59
1647	Transforming Growth Factor- $\beta$ in Lung Cancer, Carcinogenesis, and Metastasis. , 2010, , 633-671.		1
1648	Molecular Basis of Pulmonary Disease. , 2010, , .		3
1649	La voie du TGF $\beta$ 2. , 2010, , 83-90.		0
1650	Epigenetic downregulation of human disabled homolog 2 switches TGF- $\beta$ 2 from a tumor suppressor to a tumor promoter. <i>Journal of Clinical Investigation</i> , 2010, 120, 2842-2857.	3.9	87
1651	Genetic and pharmacological targeting of activin receptor-like kinase 1 impairs tumor growth and angiogenesis. <i>Journal of Experimental Medicine</i> , 2010, 207, 85-100.	4.2	159
1652	Epigenetic Histone Methylation Modulates Fibrotic Gene Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 2069-2080.	3.0	210
1653	GAM/ZFP/ZNF512B is central to a gene sensor circuitry involving cell-cycle regulators, TGF $\beta$ 2 effectors, Drosha and microRNAs with opposite oncogenic potentials. <i>Nucleic Acids Research</i> , 2010, 38, 7673-7688.	6.5	32
1654	High-throughput antibody-based assays to identify and quantify radiation-responsive protein biomarkers. <i>International Journal of Radiation Biology</i> , 2010, 86, 321-328.	1.0	18
1655	Soluble Repulsive Guidance Molecule c/Hemojuvelin Is a Broad Spectrum Bone Morphogenetic Protein (BMP) Antagonist and Inhibits both BMP2- and BMP6-mediated Signaling and Gene Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 24783-24792.	1.6	31
1656	Processing of Anti-Müllerian Hormone Regulates Receptor Activation by a Mechanism Distinct from TGF- $\beta$ 2. <i>Molecular Endocrinology</i> , 2010, 24, 2193-2206.	3.7	117
1657	Synovial fluid of patients with rheumatoid arthritis induces $\beta$ 2-smooth muscle actin in human adipose tissue-derived mesenchymal stem cells through a TGF- $\beta$ 21-dependent mechanism. <i>Experimental and Molecular Medicine</i> , 2010, 42, 565.	3.2	21
1658	Upregulation of Nox4 by TGF $\beta$ 21 Oxidizes SERCA and Inhibits NO in Arterial Smooth Muscle of the Prediabetic Zucker Rat. <i>Circulation Research</i> , 2010, 107, 975-983.	2.0	101
1659	Transcription Factor Sp1 Expression Is Upregulated in Human Glomerulonephritis: Correlation with pSmad2/3 and p300 Expression and Renal Injury. <i>Renal Failure</i> , 2010, 32, 243-253.	0.8	13
1660	Oxidative Modification of Nuclear Mitogen-activated Protein Kinase Phosphatase 1 Is Involved in Transforming Growth Factor $\beta$ 21-induced Expression of Plasminogen Activator Inhibitor 1 in Fibroblasts. <i>Journal of Biological Chemistry</i> , 2010, 285, 16239-16247.	1.6	98
1661	ERBB Receptor Activation Is Required for Profibrotic Responses to Transforming Growth Factor $\beta$ 2. <i>Cancer Research</i> , 2010, 70, 7421-7430.	0.4	20
1662	Retinoic acid regulates bone morphogenetic protein signal duration by promoting the degradation of phosphorylated Smad1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18886-18891.	3.3	95
1663	Identification of Susceptibility Loci in a Mouse Model of <i>KRAS</i> G12D-Driven Pancreatic Cancer. <i>Cancer Research</i> , 2010, 70, 8398-8406.	0.4	2

#	ARTICLE	IF	CITATIONS
1664	Smad3 Protein Levels Are Modulated by Ras Activity and during the Cell Cycle to Dictate Transforming Growth Factor- $\beta$ Responses. <i>Journal of Biological Chemistry</i> , 2010, 285, 6489-6497.	1.6	43
1665	Context-dependent regulation of the expression of c-Ski protein by Arkadia in human cancer cells. <i>Journal of Biochemistry</i> , 2010, 147, 545-554.	0.9	29
1666	Hypoxia-activated Smad3-specific Dephosphorylation by PP2A. <i>Journal of Biological Chemistry</i> , 2010, 285, 3740-3749.	1.6	49
1667	MTMR4 Attenuates Transforming Growth Factor $\beta$ (TGF $\beta$ ) Signaling by Dephosphorylating R-Smads in Endosomes. <i>Journal of Biological Chemistry</i> , 2010, 285, 8454-8462.	1.6	43
1668	TGF $\beta$ /BMP Type I Receptors ALK1 and ALK2 Are Essential for BMP9-induced Osteogenic Signaling in Mesenchymal Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 29588-29598.	1.6	163
1669	T Cell Activation Leads to Protein Kinase C $\delta$ -Dependent Inhibition of TGF- $\beta$ Signaling. <i>Journal of Immunology</i> , 2010, 185, 1568-1576.	0.4	16
1670	The RGM protein DRAG-1 positively regulates a BMP-like signaling pathway in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 2010, 137, 2375-2384.	1.2	39
1671	Response to BMP4 signalling during ES cell differentiation defines intermediates of the ectoderm lineage. <i>Journal of Cell Science</i> , 2010, 123, 1796-1804.	1.2	31
1672	Cross Talk between Insulin and Bone Morphogenetic Protein Signaling Systems in Brown Adipogenesis. <i>Molecular and Cellular Biology</i> , 2010, 30, 4224-4233.	1.1	59
1673	Expression patterns of connective tissue growth factor and of TGF- $\beta$ isoforms during glomerular injury recapitulate glomerulogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F545-F558.	1.3	50
1674	Contribution of Epithelial-Mesenchymal Transition to Pancreatic Cancer Progression. <i>Cancers</i> , 2010, 2, 2084-2097.	1.7	14
1675	Ac-SDKP inhibits transforming growth factor- $\beta$ 1-induced differentiation of human cardiac fibroblasts into myofibroblasts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1357-H1364.	1.5	42
1676	<i>Caenorhabditis elegans</i> SMA-10/LRIG Is a Conserved Transmembrane Protein that Enhances Bone Morphogenetic Protein Signaling. <i>PLoS Genetics</i> , 2010, 6, e1000963.	1.5	36
1677	Identification of Host-Dependent Survival Factors for Intracellular <i>Mycobacterium tuberculosis</i> through an siRNA Screen. <i>PLoS Pathogens</i> , 2010, 6, e1000839.	2.1	99
1678	Type II Transforming Growth Factor- $\beta$ Receptor Recycling Is Dependent upon the Clathrin Adaptor Protein Dab2. <i>Molecular Biology of the Cell</i> , 2010, 21, 4009-4019.	0.9	56
1679	Inhibition of transforming growth factor- $\beta$ signaling induces left ventricular dilation and dysfunction in the pressure-overloaded heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H424-H432.	1.5	77
1680	L6E9 Myoblasts Are Deficient of Myostatin and Additional TGF- $\beta$ Members Are Candidates to Developmentally Control Their Fiber Formation. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-9.	3.0	7
1681	Epithelial Cells Promote Fibroblast Activation via IL-1 $\beta$ in Systemic Sclerosis. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2191-2200.	0.3	110

#	ARTICLE	IF	CITATIONS
1682	Smad7 in T cells drives T helper 1 responses in multiple sclerosis and experimental autoimmune encephalomyelitis. <i>Brain</i> , 2010, 133, 1067-1081.	3.7	73
1683	Reduced expression of Cx43 attenuates ventricular remodeling after myocardial infarction via impaired TGF- $\beta$ 2 signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H477-H487.	1.5	31
1684	Smad3 Mediates Cardiac Inflammation and Fibrosis in Angiotensin II-Induced Hypertensive Cardiac Remodeling. <i>Hypertension</i> , 2010, 55, 1165-1171.	1.3	129
1685	Growth and differentiation factor-9 promotes adhesive and motile capacity of prostate cancer cells by up-regulating FAK and Paxillin via Smad dependent pathway. <i>Oncology Reports</i> , 2010, 24, 1653-9.	1.2	12
1686	Targeting Fibrosis in Duchenne Muscular Dystrophy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 771-776.	0.9	123
1687	TGF- $\beta$ Pathway as a Therapeutic Target in Bone Metastases. <i>Current Pharmaceutical Design</i> , 2010, 16, 1301-1312.	0.9	19
1688	Inhibition of Smad3 Expression in Radiation-Induced Fibrosis Using a Novel Method for Topical Transcutaneous Gene Therapy. <i>JAMA Otolaryngology</i> , 2010, 136, 714.	1.5	35
1689	The Crosstalk of RAS with the TGF- $\beta$ Family During Carcinoma Progression and its Implications for Targeted Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2010, 10, 849-857.	0.8	48
1690	Sequential Activation of NFAT and c-Myc Transcription Factors Mediates the TGF- $\beta$ 2 Switch from a Suppressor to a Promoter of Cancer Cell Proliferation. <i>Journal of Biological Chemistry</i> , 2010, 285, 27241-27250.	1.6	86
1691	Expression of the embryonic morphogen Nodal in cutaneous melanocytic lesions. <i>Modern Pathology</i> , 2010, 23, 1209-1214.	2.9	31
1692	Transforming Growth Factor- $\beta$ 2 Coordinately Induces Suppressor of Cytokine Signaling 3 and Leukemia Inhibitory Factor to Suppress Osteoclast Apoptosis. <i>Endocrinology</i> , 2010, 151, 1713-1722.	1.4	35
1693	FoxL2 Is Required for Activin Induction of the Mouse and Human Follicle-Stimulating Hormone $\beta$ 2-Subunit Genes. <i>Molecular Endocrinology</i> , 2010, 24, 1037-1051.	3.7	64
1694	Gene Delivery of a Mutant TGF $\beta$ 23 Reduces Markers of Scar Tissue Formation After Cutaneous Wounding. <i>Molecular Therapy</i> , 2010, 18, 2104-2111.	3.7	29
1695	Pro-oncogenic and anti-oncogenic pathways: opportunities and challenges of cancer therapy. <i>Future Oncology</i> , 2010, 6, 587-603.	1.1	16
1696	Interleukin-13 Regulates Secretion of the Tumor Growth Factor $\beta$ 2 Superfamily Cytokine Activin A in Allergic Airway Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 42, 667-675.	1.4	27
1697	Metformin attenuates cardiac fibrosis by inhibiting the TGF $\beta$ 1-Smad3 signalling pathway. <i>Cardiovascular Research</i> , 2010, 87, 504-513.	1.8	194
1698	Inherited human diseases of heterotopic bone formation. <i>Nature Reviews Rheumatology</i> , 2010, 6, 518-527.	3.5	220
1699	TGF- $\beta$ 2 Signaling Alterations and Colon Cancer. <i>Cancer Treatment and Research</i> , 2010, 155, 85-103.	0.2	125

#	ARTICLE	IF	CITATIONS
1700	Design, Synthesis, and Evaluation of Indolinones as Inhibitors of the Transforming Growth Factor $\hat{1}^2$ Receptor I (TGF $\hat{1}^2$ RI). <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7287-7295.	2.9	30
1701	Targeting the transforming growth factor- $\hat{1}^2$ signaling pathway in human cancer. <i>Expert Opinion on Investigational Drugs</i> , 2010, 19, 77-91.	1.9	239
1702	tgf $\hat{1}^2$ 3 regulation of chondrogenesis and osteogenesis in zebrafish is mediated through formation and survival of a subpopulation of the cranial neural crest. <i>Mechanisms of Development</i> , 2010, 127, 329-344.	1.7	26
1703	Transforming growth factor-beta: A target for cancer therapy. <i>Journal of Immunotoxicology</i> , 2010, 7, 15-26.	0.9	35
1704	Future directions of bone-targeted therapy for metastatic breast cancer. <i>Nature Reviews Clinical Oncology</i> , 2010, 7, 641-651.	12.5	97
1705	Tumor suppressor FLCN inhibits tumorigenesis of a FLCN-null renal cancer cell line and regulates expression of key molecules in TGF- $\hat{1}^2$ signaling. <i>Molecular Cancer</i> , 2010, 9, 160.	7.9	81
1706	Expression of the TGF-beta1 system in human testicular pathologies. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 148.	1.4	31
1707	TGF $\hat{1}^2$ signaling in the brain increases with aging and signals to astrocytes and innate immune cells in the weeks after stroke. <i>Journal of Neuroinflammation</i> , 2010, 7, 62.	3.1	200
1708	BMP6 Treatment Compensates for the Molecular Defect and Ameliorates Hemochromatosis in Hfe Knockout Mice. <i>Gastroenterology</i> , 2010, 139, 1721-1729.	0.6	99
1709	Induction of Bystander Response in Human Glioma Cells using High-Energy Electrons: A Role for TGF- $\hat{1}^2$ . <i>Radiation Research</i> , 2010, 173, 769-778.	0.7	52
1710	TMEPAI, a Transmembrane TGF- $\hat{1}^2$ -Inducible Protein, Sequesters Smad Proteins from Active Participation in TGF- $\hat{1}^2$ Signaling. <i>Molecular Cell</i> , 2010, 37, 123-134.	4.5	136
1711	(+)-Cholesten-3-one induces differentiation of neural stem cells into dopaminergic neurons through BMP signaling. <i>Neuroscience Research</i> , 2010, 68, 176-184.	1.0	10
1712	FAK mediates signal crosstalk between type II collagen and TGF-beta 1 cascades in chondrocytic cells. <i>Matrix Biology</i> , 2010, 29, 135-142.	1.5	15
1713	HDAC-mediated control of ERK- and PI3K-dependent TGF- $\hat{1}^2$ -induced extracellular matrix-regulating genes. <i>Matrix Biology</i> , 2010, 29, 602-612.	1.5	74
1714	TGF- $\hat{1}^2$ induces telomerase-dependent pancreatic tumor cell cycle arrest. <i>Molecular and Cellular Endocrinology</i> , 2010, 320, 97-105.	1.6	20
1715	Lactoferrin induces growth arrest and nuclear accumulation of Smad-2 in HeLa cells. <i>Biochimie</i> , 2010, 92, 880-884.	1.3	30
1716	Signaling pathways implicated in androgen regulation of endocortical bone. <i>Bone</i> , 2010, 46, 710-723.	1.4	22
1717	Transforming growth factor beta (TGF- $\hat{1}^2$ ) and inflammation in cancer. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 49-59.	3.2	316

#	ARTICLE	IF	CITATIONS
1718	BMP signaling in vascular development and disease. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 287-298.	3.2	114
1719	Targeting the transforming growth factor- $\beta$ signalling pathway in metastatic cancer. <i>European Journal of Cancer</i> , 2010, 46, 1232-1240.	1.3	86
1720	Anterior cruciate ligament-derived cells have high chondrogenic potential. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1142-1147.	1.0	44
1721	Identification of BMP-responsive elements in the mouse <i>Id2</i> gene. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 416-421.	1.0	51
1722	Transforming growth factor-beta in the chicken fundal layers: An immunohistochemical study. <i>Experimental Eye Research</i> , 2010, 90, 780-790.	1.2	15
1723	Analysis of the transforming growth factor $\beta$ 1 gene $\sim$ 509 C/T polymorphism in patients with advanced-stage endometriosis. <i>Fertility and Sterility</i> , 2010, 93, 2121-2124.	0.5	11
1724	TGF- $\beta$ Signaling Specifies Axons during Brain Development. <i>Cell</i> , 2010, 142, 144-157.	13.5	238
1725	A Mesenchymal-to-Epithelial Transition Initiates and Is Required for the Nuclear Reprogramming of Mouse Fibroblasts. <i>Cell Stem Cell</i> , 2010, 7, 51-63.	5.2	1,038
1726	Emerging roles for the TGF $\beta$ family in pancreatic $\beta$ -cell homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 441-448.	3.1	54
1727	The use of signalling pathway inhibitors and chromatin modifiers for enhancing pluripotency. <i>Theriogenology</i> , 2010, 74, 525-533.	0.9	7
1728	Origin and function of tumor stroma fibroblasts. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 40-46.	2.3	98
1729	A critical role for sFRP proteins in maintaining caudal neural tube closure in mice via inhibition of BMP signaling. <i>Developmental Biology</i> , 2010, 337, 74-83.	0.9	40
1730	BMP signaling coordinates gene expression and cell migration during precardiac mesoderm development. <i>Developmental Biology</i> , 2010, 340, 179-187.	0.9	39
1731	Role of BMPs in controlling the spatial and temporal origin of GFAP astrocytes in the embryonic spinal cord. <i>Developmental Biology</i> , 2010, 344, 611-620.	0.9	16
1732	Geldanamycin inhibits TGF- $\beta$ signaling through induction of Hsp70. <i>Archives of Biochemistry and Biophysics</i> , 2010, 495, 8-13.	1.4	34
1733	Novel biomarkers in cardiovascular disease: Update 2010. <i>American Heart Journal</i> , 2010, 160, 583-594.	1.2	136
1734	Lung Organogenesis. <i>Current Topics in Developmental Biology</i> , 2010, 90, 73-158.	1.0	386
1735	Smad7 restricts melanoma invasion by restoring N-cadherin expression and establishing heterotypic cell-cell interactions in vivo. <i>Pigment Cell and Melanoma Research</i> , 2010, 23, 795-808.	1.5	24

#	ARTICLE	IF	CITATIONS
1736	A Novel Mechanism of Sequestering Fibroblast Growth Factor 2 by Glypican in Lipid Rafts, Allowing Skeletal Muscle Differentiation. <i>Molecular and Cellular Biology</i> , 2010, 30, 1634-1649.	1.1	100
1737	Downregulation of ZEB1 and overexpression of Smad7 contribute to resistance to TGF- $\beta$ 1-mediated growth suppression in adult T-cell leukemia/lymphoma. <i>Oncogene</i> , 2010, 29, 4157-4169.	2.6	59
1738	Bone Morphogenetic Protein-7 Inhibits Proximal Tubular Epithelial Cell Smad3 Signaling via Increased SnoN Expression. <i>American Journal of Pathology</i> , 2010, 176, 1139-1147.	1.9	54
1739	Aging Fibroblasts Resist Phenotypic Maturation Because of Impaired Hyaluronan-Dependent CD44/Epidermal Growth Factor Receptor Signaling. <i>American Journal of Pathology</i> , 2010, 176, 1215-1228.	1.9	66
1741	Relationship Between the mRNA Expression Level of TGF- $\beta$ 2 Receptor Genes in Tissues and Ovulation Rate in Hu Sheep. <i>Agricultural Sciences in China</i> , 2010, 9, 1659-1666.	0.6	6
1742	Potential of Periodontal Ligament Cells to Regenerate Alveolar Bone. <i>Journal of Oral Biosciences</i> , 2010, 52, 72-80.	0.8	5
1743	Future Target Molecules in Antiglaucoma Therapy: TGF- $\beta$ 2 May Have a Role to Play. <i>Ophthalmic Research</i> , 2010, 43, 1-10.	1.0	26
1744	Smooth Muscle Cell Hypertrophy, Proliferation, Migration and Apoptosis in Pulmonary Hypertension. , 2011, 1, 295-317.		102
1745	Perspectives of Stem Cells. , 2010, , .		0
1746	Narrative Review: Fibrotic Diseases: Cellular and Molecular Mechanisms and Novel Therapies. <i>Annals of Internal Medicine</i> , 2010, 152, 159.	2.0	185
1747	The Tumor Microenvironment. , 2010, , .		6
1749	Induction of gastric cancer cell adhesion through transforming growth factor-beta1-mediated peritoneal fibrosis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2010, 29, 139.	3.5	35
1751	Peptide ligands that use a novel binding site to target both TGF- $\beta$ 2 receptors. <i>Molecular BioSystems</i> , 2010, 6, 2392.	2.9	25
1752	Chondrogenesis of Synovium-Derived Mesenchymal Stem Cells in Photopolymerizing Hydrogel Scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1653-1667.	1.9	17
1753	Bone morphogenetic protein and growth differentiation factor cytokine families and their protein antagonists. <i>Biochemical Journal</i> , 2010, 429, 1-12.	1.7	202
1754	Cellular Signalling: Peptide Hormones and Growth Factors. <i>Progress in Brain Research</i> , 2010, 181, 1-16.	0.9	16
1755	Maintenance of Murine Embryonic Stem Cells' Self-Renewal and Pluripotency with Increase in Proliferation Rate by a Bovine Granulosa Cell Line-Conditioned Medium. <i>Stem Cells and Development</i> , 2011, 20, 1439-1449.	1.1	12
1756	IDO: more than an enzyme. <i>Nature Immunology</i> , 2011, 12, 809-811.	7.0	138



#	ARTICLE	IF	CITATIONS
1757	Studying Smad2 intranuclear diffusion dynamics by mathematical modelling of FRAP experiments. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 197.	0.6	18
1758	Bone metastasis: mechanisms and therapeutic opportunities. <i>Nature Reviews Endocrinology</i> , 2011, 7, 208-218.	4.3	333
1759	NF- $\kappa$ B-Mediated Modulation of Inducible Nitric Oxide Synthase Activity Controls Induction of the Epstein-Barr Virus Productive Cycle by Transforming Growth Factor Beta 1. <i>Journal of Virology</i> , 2011, 85, 6502-6512.	1.5	16
1760	Physiological and Pathological Angiogenesis in the Adult Pulmonary Circulation. , 2011, 1, 1473-1508.		11
1761	Pancreatic Cancer Cells Respond to Type I Collagen by Inducing Snail Expression to Promote Membrane Type 1 Matrix Metalloproteinase-dependent Collagen Invasion. <i>Journal of Biological Chemistry</i> , 2011, 286, 10495-10504.	1.6	110
1762	Imaging LDL Receptor Oligomerization during Endocytosis Using a Co-internalization Assay. <i>ACS Chemical Biology</i> , 2011, 6, 308-313.	1.6	23
1763	Smad y otros blancos terapéuticos en esclerodermia. <i>Revista Colombiana De Reumatología</i> , 2011, 18, 285-294.	0.0	0
1764	TGF $\beta$ <sup>2</sup> (transforming growth factor $\beta$ <sup>2</sup> ) and keratocyte motility in 24 h zebrafish explant cultures. <i>Cell Biology International</i> , 2011, 35, 1131-1139.	1.4	8
1765	Exploring anti-TGF $\beta$ <sup>2</sup> therapies in cancer and fibrosis. <i>Growth Factors</i> , 2011, 29, 140-152.	0.5	134
1766	A Glimpse of Various Pathogenetic Mechanisms of Diabetic Nephropathy. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2011, 6, 395-423.	9.6	575
1767	HSP70 decreases receptor-dependent phosphorylation of Smad2 and blocks TGF $\beta$ <sup>2</sup> -induced epithelial-mesenchymal transition. <i>Journal of Genetics and Genomics</i> , 2011, 38, 111-116.	1.7	37
1768	Synthesis, biology and clinical significance of pentacyclic triterpenes: a multi-target approach to prevention and treatment of metabolic and vascular diseases. <i>Natural Product Reports</i> , 2011, 28, 543.	5.2	247
1769	Crystal Structure of Activin Receptor Type IIB Kinase Domain. <i>Vitamins and Hormones</i> , 2011, 85, 29-38.	0.7	4
1770	Molecular Organization of Cells. , 2011, , 3-18.		0
1771	Clinical and Molecular Genetic Features of Hereditary Pulmonary Arterial Hypertension. , 2011, 1, 1721-1728.		5
1772	SMAD4-mediated WNT signaling controls the fate of cranial neural crest cells during tooth morphogenesis. <i>Development (Cambridge)</i> , 2011, 138, 1977-1989.	1.2	99
1774	Activin Receptor-Like Kinase and the Insulin Gene. <i>Vitamins and Hormones</i> , 2011, 85, 1-27.	0.7	8
1775	Antagonism of Activin by Activin Chimeras. <i>Vitamins and Hormones</i> , 2011, 85, 105-128.	0.7	4

#	ARTICLE	IF	CITATIONS
1776	Mesangial Cell Integrin $\alpha 5 \beta 1$ Provides Glomerular Endothelial Cell Cytoprotection by Sequestering TGF- $\beta 2$ and Regulating PECAM-1. <i>American Journal of Pathology</i> , 2011, 178, 609-620.	1.9	45
1777	Fibroblast Growth Factor-2 Promotes in Vitro Mitral Valve Interstitial Cell Repair through Transforming Growth Factor- $\beta 2$ /Smad Signaling. <i>American Journal of Pathology</i> , 2011, 178, 119-127.	1.9	24
1778	The Aryl Hydrocarbon Receptor Ligand ITE Inhibits TGF- $\beta 1$ -Induced Human Myofibroblast Differentiation. <i>American Journal of Pathology</i> , 2011, 178, 1556-1567.	1.9	51
1779	Bmp6 Regulates Retinal Iron Homeostasis and Has Altered Expression in Age-Related Macular Degeneration. <i>American Journal of Pathology</i> , 2011, 179, 335-348.	1.9	43
1780	Transforming Growth Factor- $\beta 2$ Regulates the Growth of Valve Interstitial Cells in Vitro. <i>American Journal of Pathology</i> , 2011, 179, 1746-1755.	1.9	24
1781	A Genome-wide Multidimensional RNAi Screen Reveals Pathways Controlling MHC Class II Antigen Presentation. <i>Cell</i> , 2011, 145, 268-283.	13.5	151
1782	Protection from Obesity and Diabetes by Blockade of TGF- $\beta 2$ /Smad3 Signaling. <i>Cell Metabolism</i> , 2011, 14, 67-79.	7.2	556
1783	Recent development in pleiotropic effects of statins on cardiovascular disease through regulation of transforming growth factor-beta superfamily. <i>Cytokine and Growth Factor Reviews</i> , 2011, 22, 167-75.	3.2	26
1784	Switching TGF- $\beta 2$ from a tumor suppressor to a tumor promoter. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 93-99.	1.5	182
1785	TGF- $\beta 1$ inhibits the growth and metastasis of tongue squamous carcinoma cells through Smad4. <i>Gene</i> , 2011, 485, 160-166.	1.0	9
1786	Early phase TGF- $\beta 2$ receptor signalling dynamics stabilised by the deubiquitinase UCH37 promotes cell migratory responses. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 604-612.	1.2	29
1787	TGF- $\beta 2$ -related mechanisms of bone destruction in multiple myeloma. <i>Bone</i> , 2011, 48, 129-134.	1.4	89
1788	Dysregulation of developmental pathways in bone metastasis. <i>Bone</i> , 2011, 48, 16-22.	1.4	37
1789	Comparative effects of TGF- $\beta 2$ /Smad2 and TGF- $\beta 2$ /Smad3 signaling pathways on proliferation, migration, and extracellular matrix production in a human lens cell line. <i>Experimental Eye Research</i> , 2011, 92, 173-179.	1.2	66
1790	EW-7195, a novel inhibitor of ALK5 kinase inhibits EMT and breast cancer metastasis to lung. <i>European Journal of Cancer</i> , 2011, 47, 2642-2653.	1.3	38
1791	Neuronal loss and abnormal BMP/Smad signaling in the myenteric plexus of diabetic rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 164, 51-61.	1.4	12
1792	MicroRNA 421 suppresses DPC4/Smad4 in pancreatic cancer. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 552-557.	1.0	96
1793	RLIM interacts with Smurf2 and promotes TGF- $\beta 2$ induced U2OS cell migration. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 181-185.	1.0	25

#	ARTICLE	IF	CITATIONS
1794	Caveolin-1 promotes pancreatic cancer cell differentiation and restores membranous E-cadherin via suppression of the epithelial-mesenchymal transition. <i>Cell Cycle</i> , 2011, 10, 3692-3700.	1.3	49
1795	Coronin 1A is an essential regulator of the TGF $\beta$ 2 receptor/SMAD3 signaling pathway in Th17 CD4+ T cells. <i>Journal of Autoimmunity</i> , 2011, 37, 198-208.	3.0	33
1796	Activin A stimulates mouse macrophages to express APRIL via the Smad3 and ERK/CREB pathways. <i>Immunology Letters</i> , 2011, 140, 92-96.	1.1	12
1797	Neuron-glia signaling: Implications for astrocyte differentiation and synapse formation. <i>Life Sciences</i> , 2011, 89, 524-531.	2.0	39
1798	Estradiol modulates TGF $\beta$ 21 expression and its signaling pathway in thyroid stromal cells. <i>Molecular and Cellular Endocrinology</i> , 2011, 337, 71-79.	1.6	22
1799	Specific targeting of insulin-like growth factor 1 receptor signaling in human estrogen dependent breast cancer cell by a novel tyrosine-based benzoxazepine derivative. <i>Molecular and Cellular Endocrinology</i> , 2011, 338, 68-78.	1.6	19
1800	A truncated, activin-induced Smad3 isoform acts as a transcriptional repressor of FSH $\beta$ 2 expression in mouse pituitary. <i>Molecular and Cellular Endocrinology</i> , 2011, 342, 64-72.	1.6	7
1801	Analysis of differential gene expression using fiber-optic bead array and pathway analyses in pituitary adenomas. <i>Journal of Clinical Neuroscience</i> , 2011, 18, 1386-1391.	0.8	3
1802	The Isolation of Stem Cells from Human Deciduous Teeth Pulp Is Related to the Physiological Process of Resorption. <i>Journal of Endodontics</i> , 2011, 37, 973-979.	1.4	60
1803	The T $\beta$ 2R-I Pre-Helix Extension Is Structurally Ordered in the Unbound Form and Its Flanking Prolines Are Essential for Binding. <i>Journal of Molecular Biology</i> , 2011, 412, 601-618.	2.0	20
1804	Molecular cloning, in vitro expression and bioactivity of rabbit transforming growth factor-beta receptor type II (rTGF $\beta$ 2RII). <i>Veterinary Immunology and Immunopathology</i> , 2011, 140, 55-62.	0.5	4
1805	Transforming growth factor (TGF) $\beta$ 2 signaling in cardiac remodeling. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 600-606.	0.9	828
1806	More than being protective: functional roles for TGF $\beta$ 2/activin signaling pathways at central synapses. <i>Trends in Neurosciences</i> , 2011, 34, 421-429.	4.2	119
1807	Bone Morphogenetic Protein functions as a context-dependent angiogenic cue in vertebrates. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 1012-1018.	2.3	30
1808	Cellular and Molecular Mechanisms Regulating Fibrosis in Skeletal Muscle Repair and Disease. <i>Current Topics in Developmental Biology</i> , 2011, 96, 167-201.	1.0	147
1809	TGF $\beta$ 21 Pathway as a New Target for Neuroprotection in Alzheimer's Disease. <i>CNS Neuroscience and Therapeutics</i> , 2011, 17, 237-249.	1.9	96
1810	TGF $\beta$ 2 signaling in fibrosis. <i>Growth Factors</i> , 2011, 29, 196-202.	0.5	908
1811	Transforming Growth Factor-Beta Superfamily in Mouse Embryonic Stem Cell Self-Renewal. <i>Vitamins and Hormones</i> , 2011, 87, 341-365.	0.7	1

#	ARTICLE	IF	CITATIONS
1812	Photodynamic therapy and the role of heat shock protein 70. International Journal of Hyperthermia, 2011, 27, 802-810.	1.1	26
1813	The Molecular Circuitry Underlying Pluripotency in Embryonic Stem Cells and iPS Cells. , 2011, , 87-94.		0
1814	Expression of Transforming Growth Factor Beta-1 Protein and Its Receptor in Tissues of Patients with Bladder Cancer Associated with Schistosomiasis or Not Associated. Current Urology, 2011, 5, 33-40.	0.4	0
1815	Activin A Stimulates Mouse APCs to Express BAFF via ALK4-Smad3 Pathway. Immune Network, 2011, 11, 196.	1.6	6
1816	Protective Effect of TRPV1 against Renal Fibrosis via Inhibition of TGF- $\beta$ 2/Smad Signaling in DOCA-Salt Hypertension. Molecular Medicine, 2011, 17, 1204-1212.	1.9	35
1817	The Potential of Neurotrophic Factors for the Treatment of Parkinson's Disease. , 2011, , .		1
1818	Bovine Lactoferrin Can Be Taken Up by the Human Intestinal Lactoferrin Receptor and Exert Bioactivities. Journal of Pediatric Gastroenterology and Nutrition, 2011, 53, 606-614.	0.9	109
1819	Oncogenic Signaling in Gastric Carcinoma. , 2011, , .		1
1820	Molecular Pathways of Glioblastoma and Glioblastoma Stem Cells. , 0, , .		0
1821	Role of Signaling Pathways and Epigenetic Factors in Lineage Determination During Human Embryonic Stem Cell Differentiation. , 2011, , .		2
1822	Rapid Prototyping of Engineered Heart Tissues through Miniaturization and Phenotype-Automation. , 2011, , .		0
1823	Inhibition of TGF $\beta$ 1 Expression by Lithium: Implications for TGF $\beta$ 1-Linked Corneal Dystrophy Therapy. , 2011, 52, 3293.		37
1824	The Role of BMP2 Signaling in the Skeleton. Critical Reviews in Eukaryotic Gene Expression, 2011, 21, 177-185.	0.4	43
1825	Defective Osteogenic Differentiation in the Development of Osteosarcoma. Sarcoma, 2011, 2011, 1-12.	0.7	76
1826	Inhibition of TGF- Signaling for the Treatment of Tumor Metastasis and Fibrotic Diseases. Current Signal Transduction Therapy, 2011, 6, 29-43.	0.3	3
1827	Tyrosin Kinase Inhibitors in Chronic Graft versus Host Disease: From Bench to Bedside. Scientific World Journal, The, 2011, 11, 1908-1931.	0.8	26
1828	Bone morphogenetic protein and bone metastasis, implication and therapeutic potential. Frontiers in Bioscience - Landmark, 2011, 16, 865.	3.0	49
1829	Transforming growth factor- $\beta$ 2 inhibits myocardial PPAR $\gamma$ 3 expression in pressure overload-induced cardiac fibrosis and remodeling in mice. Journal of Hypertension, 2011, 29, 1810-1819.	0.3	39

#	ARTICLE	IF	CITATIONS
1830	Growth Factors and their receptors in cancer metastases. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 531.	3.0	37
1831	Development of Axon-Target Specificity of Ponto-Cerebellar Afferents. <i>PLoS Biology</i> , 2011, 9, e1001013.	2.6	73
1832	BMP Signaling Modulates Hhepcidin Expression in Zebrafish Embryos Independent of Hemojuvelin. <i>PLoS ONE</i> , 2011, 6, e14553.	1.1	20
1833	<i>Drosophila</i> TIEG Is a Modulator of Different Signalling Pathways Involved in Wing Patterning and Cell Proliferation. <i>PLoS ONE</i> , 2011, 6, e18418.	1.1	17
1834	In-Silico Patterning of Vascular Mesenchymal Cells in Three Dimensions. <i>PLoS ONE</i> , 2011, 6, e20182.	1.1	9
1835	High Throughput Determination of TGF $\beta$ 1/SMAD3 Targets in A549 Lung Epithelial Cells. <i>PLoS ONE</i> , 2011, 6, e20319.	1.1	57
1836	Mutations in Protein-Binding Hot-Spots on the Hub Protein Smad3 Differentially Affect Its Protein Interactions and Smad3-Regulated Gene Expression. <i>PLoS ONE</i> , 2011, 6, e25021.	1.1	11
1837	Transforming Growth Factor $\beta$ 1 Oppositely Regulates the Hypertrophic and Contractile Response to $\beta$ -Adrenergic Stimulation in the Heart. <i>PLoS ONE</i> , 2011, 6, e26628.	1.1	44
1838	Halofuginone Has Anti-Proliferative Effects in Acute Promyelocytic Leukemia by Modulating the Transforming Growth Factor Beta Signaling Pathway. <i>PLoS ONE</i> , 2011, 6, e26713.	1.1	34
1839	Modulators of induction of plasminogen activator inhibitor type-1 in HepG2 cells by transforming growth factor- $\beta$ . <i>Coronary Artery Disease</i> , 2011, 22, 468-478.	0.3	15
1840	The Antisense Oligonucleotide Trabedersen (AP 12009) for the Targeted Inhibition of TGF- $\beta$ 2. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 2203-2213.	0.9	83
1841	Role of TGF- $\beta$ 2 and the Tumor Microenvironment During Mammary Tumorigenesis. <i>Gene Expression</i> , 2011, 15, 117-132.	0.5	81
1842	Mammary Development and Breast Cancer: The Role of Stem Cells. <i>Current Molecular Medicine</i> , 2011, 11, 270-285.	0.6	38
1843	Structures of TGF- $\beta$ Receptor Complexes: Implications for Function and Therapeutic Intervention Using Ligand Traps. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 2081-2098.	0.9	18
1844	BMP-9 Induced Osteogenic Differentiation of Mesenchymal Stem Cells: Molecular Mechanism and Therapeutic Potential. <i>Current Gene Therapy</i> , 2011, 11, 229-240.	0.9	150
1845	Transforming Growth Factor- $\beta$ Signaling in Motor Neuron Diseases. <i>Current Molecular Medicine</i> , 2011, 11, 48-56.	0.6	56
1846	Role of TGF- $\beta$ in Melanoma. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 2165-2175.	0.9	55
1847	Ubiquitination in Rho Signaling. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2879-2887.	1.0	35

#	ARTICLE	IF	CITATIONS
1848	MicroRNA-130a-mediated down-regulation of Smad4 contributes to reduced sensitivity to TGF- $\beta$ 1 stimulation in granulocytic precursors. <i>Blood</i> , 2011, 118, 6649-6659.	0.6	53
1849	Regulation of Tmprss6 by BMP6 and iron in human cells and mice. <i>Blood</i> , 2011, 118, 747-756.	0.6	104
1850	TGF- $\beta$ 2/TGF- $\beta$ 2 receptor system and its role in physiological and pathological conditions. <i>Clinical Science</i> , 2011, 121, 233-251.	1.8	331
1852	Human peritoneal mesothelial cell transformation into myofibroblasts in response to TGF- $\beta$ 1 in vitro. <i>International Journal of Molecular Medicine</i> , 2011, 27, 187-93.	1.8	31
1853	Growth differentiation factor-9 expression is inversely correlated with an aggressive behaviour in human bladder cancer cells. <i>International Journal of Molecular Medicine</i> , 2012, 29, 428-34.	1.8	5
1854	Up-regulation of homeodomain genes, DLX1 and DLX2, by FLT3 signaling. <i>Haematologica</i> , 2011, 96, 820-828.	1.7	19
1855	CD47 regulates the TGF- $\beta$ 2 signaling pathway in osteoblasts and is distributed in Meckel's cartilage. <i>Journal of Oral Science</i> , 2011, 53, 169-175.	0.7	8
1856	Quantitative analysis of transient and sustained transforming growth factor- $\beta$ 2 signaling dynamics. <i>Molecular Systems Biology</i> , 2011, 7, 492.	3.2	91
1857	Mad for SMAD: unraveling the genetics of a new aneurysm syndrome. <i>Clinical Genetics</i> , 2011, 79, 510-511.	1.0	1
1858	Immunolocalisation and expression of Smad2 and Smad4 proteins in dog testis during postnatal development. <i>Andrologia</i> , 2011, 43, 254-260.	1.0	4
1859	The pyramid of transgenes <i>TsVP</i> and <i>BetA</i> effectively enhances the drought tolerance of maize plants. <i>Plant Biotechnology Journal</i> , 2011, 9, 216-229.	4.1	57
1860	Review: Molecular genetics and pathology of hereditary small vessel diseases of the brain. <i>Neuropathology and Applied Neurobiology</i> , 2011, 37, 94-113.	1.8	106
1861	EW-7203, a novel small molecule inhibitor of transforming growth factor- $\beta$ 2 (TGF- $\beta$ 2) type I receptor/activin receptor-like kinase-5, blocks TGF- $\beta$ 2-mediated epithelial-to-mesenchymal transition in mammary epithelial cells. <i>Cancer Science</i> , 2011, 102, 1889-1896.		26
1862	Fibroblasts and myofibroblasts in renal fibrosis. <i>International Journal of Experimental Pathology</i> , 2011, 92, 158-167.	0.6	294
1863	The Male Bias in the Number of Purkinje Cells and the Size of the Murine Cerebellum may Require MA $\beta$ 1/Allerian Inhibiting Substance/Anti-MA $\beta$ 1/Allerian Hormone. <i>Journal of Neuroendocrinology</i> , 2011, 23, 831-838.	1.2	31
1864	Guide to Receptors and Channels (GRAC), 5th edition. <i>British Journal of Pharmacology</i> , 2011, 164, S1-324.	2.7	827
1865	Consultants. <i>British Journal of Pharmacology</i> , 2011, 164, S3-S3.	2.7	10
1866	G PROTEIN-COUPLED RECEPTORS. <i>British Journal of Pharmacology</i> , 2011, 164, S5.	2.7	16

#	ARTICLE	IF	CITATIONS
1867	LIGAND-GATED ION CHANNELS. British Journal of Pharmacology, 2011, 164, S115.	2.7	13
1868	ION CHANNELS. British Journal of Pharmacology, 2011, 164, S137.	2.7	22
1869	NUCLEAR RECEPTORS. British Journal of Pharmacology, 2011, 164, S175-S188.	2.7	0
1870	CATALYTIC RECEPTORS. British Journal of Pharmacology, 2011, 164, S189-S212.	2.7	1
1871	TRANSPORTERS. British Journal of Pharmacology, 2011, 164, S213.	2.7	2
1873	CD109 release from the cell surface in human keratinocytes regulates TGF- $\beta$ <sup>2</sup> receptor expression, TGF- $\beta$ <sup>2</sup> signalling and STAT3 activation: relevance to psoriasis. Experimental Dermatology, 2011, 20, 627-632.	1.4	53
1874	Endoglin expression in breast tumor cells suppresses invasion and metastasis and correlates with improved clinical outcome. Oncogene, 2011, 30, 1046-1058.	2.6	55
1875	Opposite functions of HIF-1 $\alpha$ isoforms in VEGF induction by TGF- $\beta$ <sup>1</sup> under non-hypoxic conditions. Oncogene, 2011, 30, 1213-1228.	2.6	50
1876	Homeodomain protein DLX4 counteracts key transcriptional control mechanisms of the TGF- $\beta$ <sup>2</sup> cytostatic program and blocks the antiproliferative effect of TGF- $\beta$ <sup>2</sup> . Oncogene, 2011, 30, 2718-2729.	2.6	32
1877	TGF- $\beta$ <sup>2</sup> signalling is mediated by two autonomously functioning T $\beta$ RI:T $\beta$ RII pairs. EMBO Journal, 2011, 30, 1263-1276.	3.5	98
1878	Interferon consensus sequence binding protein-induced cell proliferation is mediated by TGF- $\beta$ <sup>2</sup> signaling and p38 MAPK activation. Laboratory Investigation, 2011, 91, 1304-1313.	1.7	6
1879	The role of Smad signaling in hematopoiesis and translational hematology. Leukemia, 2011, 25, 1379-1388.	3.3	97
1880	The role of neurotrophic factors in autism. Molecular Psychiatry, 2011, 16, 478-490.	4.1	81
1881	Isolation, characterization, and function of <i>EBAF/LEFTY</i> B: role in infertility. Annals of the New York Academy of Sciences, 2011, 1221, 98-102.	1.8	21
1882	Moving from the Laboratory Bench to Patients' Bedside: Considerations for Effective Therapy with Stem Cells. Clinical and Translational Science, 2011, 4, 380-386.	1.5	33
1883	Bone morphogenetic protein signalling activity distinguishes histological subsets of paediatric germ cell tumours. Journal of Developmental and Physical Disabilities, 2011, 34, e218-33.	3.6	47
1884	TGF $\beta$ <sup>2</sup> : a sleeping giant awoken by integrins. Trends in Biochemical Sciences, 2011, 36, 47-54.	3.7	195
1885	TGF- $\beta$ <sup>2</sup> signaling is altered in the peripheral blood of subjects with multiple sclerosis. Journal of Neuroimmunology, 2011, 230, 164-168.	1.1	24

#	ARTICLE	IF	CITATIONS
1886	Low and dysregulated production of follistatin in immune cells of relapsingâ€“remitting multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2011, 238, 96-103.	1.1	15
1887	Aberrant expression in multiple components of the transforming growth factor- $\beta$ 1-induced Smad signaling pathway during 7,12-dimethylbenz[a]anthracene-induced hamster buccal-pouch squamous-cell carcinogenesis. <i>Oral Oncology</i> , 2011, 47, 262-267.	0.8	10
1888	Pluripotent stem cell differentiation into vascular cells: A novel technology with promises for vascular re(eneration)., 2011, 129, 29-49.		95
1889	Myostatin-deficient medaka exhibit a double-muscling phenotype with hyperplasia and hypertrophy, which occur sequentially during post-hatch development. <i>Developmental Biology</i> , 2011, 359, 82-94.	0.9	74
1890	Non-degradative ubiquitination in Smad-dependent TGF-beta signaling. <i>Cell and Bioscience</i> , 2011, 1, 43.	2.1	19
1891	Synthesis and biological evaluation of 1-substituted-3(5)-(6-methylpyridin-2-yl)-4-(quinoxalin-6-yl)pyrazoles as transforming growth factor- $\beta$ 2 type 1 receptor kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3917-3925.	2.6	29
1892	M $\alpha$ 4llerian inhibiting substance is anterogradely transported and does not attenuate avulsion-induced death of hypoglossal motor neurons. <i>Experimental Neurology</i> , 2011, 231, 304-308.	2.0	10
1893	MicroRNA 483-3p suppresses the expression of DPC4/Smad4 in pancreatic cancer. <i>FEBS Letters</i> , 2011, 585, 207-213.	1.3	99
1894	The TGF- $\beta$ 2 co-receptor, CD109, promotes internalization and degradation of TGF- $\beta$ 2 receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 742-753.	1.9	115
1895	Synthesis and biological evaluation of 1-substituted-3-(6-methylpyridin-2-yl)-4-([1,2,4]triazolo[1,5-a]pyridin-6-yl)pyrazoles as transforming growth factor- $\beta$ 2 type 1 receptor kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6049-6053.	1.0	32
1896	BMP-Id pathway targeted by cholesterol myristate suppresses the apoptosis of PC12 cells. <i>Brain Research</i> , 2011, 1367, 33-42.	1.1	4
1897	ZAS3 accentuates transforming growth factor $\beta$ 2 signaling in epithelial cells. <i>Cellular Signalling</i> , 2011, 23, 105-113.	1.7	5
1898	Bone Morphogenetic Proteins: A critical review. <i>Cellular Signalling</i> , 2011, 23, 609-620.	1.7	577
1899	Transforming growth factor- $\beta$ 2 and the hallmarks of cancer. <i>Cellular Signalling</i> , 2011, 23, 951-962.	1.7	218
1900	SNX25 regulates TGF- $\beta$ 2 signaling by enhancing the receptor degradation. <i>Cellular Signalling</i> , 2011, 23, 935-946.	1.7	48
1901	Homomeric and heteromeric complexes among TGF- $\beta$ 2 and BMP receptors and their roles in signaling. <i>Cellular Signalling</i> , 2011, 23, 1424-1432.	1.7	76
1902	Myostatin: A novel insight into its role in metabolism, signal pathways, and expression regulation. <i>Cellular Signalling</i> , 2011, 23, 1441-1446.	1.7	133
1903	The specificities of small molecule inhibitors of the TGF $\beta$ and BMP pathways. <i>Cellular Signalling</i> , 2011, 23, 1831-1842.	1.7	234



#	ARTICLE	IF	CITATIONS
1904	Localization of Smad4 in the ovary of the European hedgehog ( <i>Erinaceus europaeus</i> L.). <i>Acta Histochemica</i> , 2011, 113, 382-386.	0.9	3
1905	Expression of growth differentiation factor 9 (GDF9) and its receptor in adult cat testis. <i>Acta Histochemica</i> , 2011, 113, 771-776.	0.9	15
1906	Relative expression of genes encoding SMAD signal transduction factors in human granulosa cells is correlated with oocyte quality. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 931-938.	1.2	21
1907	IL-1 Receptor Accessory Protein-Ig/IL-1 Receptor Type II-Ig Heterodimer Inhibits IL-1 Response More Strongly than Other IL-1 Blocking Biopharmaceutical Agents. <i>Journal of Clinical Immunology</i> , 2011, 31, 455-464.	2.0	4
1908	TGFBR1 Signaling and Breast Cancer. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2011, 16, 89-95.	1.0	43
1909	Endoglin suppresses human prostate cancer metastasis. <i>Clinical and Experimental Metastasis</i> , 2011, 28, 39-53.	1.7	41
1910	Regulation of epithelial to mesenchymal transition: CK2 <sup>Î²</sup> on stage. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 11-20.	1.4	20
1911	BMPR1A-mediated BMP1 signalling is disrupted in the cadmium-induced omphalocele in the chick model. <i>Pediatric Surgery International</i> , 2011, 27, 617-621.	0.6	0
1912	Suppressive effect of aqueous humor on lipopolysaccharide-induced dendritic cell maturation. <i>Japanese Journal of Ophthalmology</i> , 2011, 55, 558-564.	0.9	2
1913	Priming with very low-affinity peptide ligands gives rise to CD8+ T-cell effectors with enhanced function but with greater susceptibility to transforming growth factor (TGF) <sup>Î²</sup> -mediated suppression. <i>Cancer Immunology, Immunotherapy</i> , 2011, 60, 1543-1551.	2.0	8
1914	Coffee prevents CCl4-induced liver cirrhosis in the rat. <i>Hepatology International</i> , 2011, 5, 857-863.	1.9	34
1915	Involvement of c-Ski Oncoprotein in Carcinogenesis of Cholangiocarcinoma Induced by <i>Opisthorchis viverrini</i> and N-nitrosodimethylamine. <i>Pathology and Oncology Research</i> , 2011, 17, 219-227.	0.9	22
1916	Mitral Valve Disease in Marfan Syndrome and Related Disorders. <i>Journal of Cardiovascular Translational Research</i> , 2011, 4, 741-747.	1.1	45
1917	TGF- <sup>Î²</sup> in the Bone Microenvironment: Role in Breast Cancer Metastases. <i>Cancer Microenvironment</i> , 2011, 4, 261-281.	3.1	65
1918	Identification and expression of amphioxus AmphiSmad1/5/8 and AmphiSmad4. <i>Science China Life Sciences</i> , 2011, 54, 220-226.	2.3	6
1919	Role of Altered Signal Transduction in Heterotopic Ossification and Fibrodysplasia Ossificans Progressiva. <i>Current Osteoporosis Reports</i> , 2011, 9, 83-88.	1.5	30
1920	Keratin 23, a novel DPC4/Smad4 target gene which binds 14-3-3 <sup>Î¼</sup> . <i>BMC Cancer</i> , 2011, 11, 137.	1.1	28
1921	The plasticity of TGF- <sup>Î²</sup> signaling. <i>BMC Systems Biology</i> , 2011, 5, 184.	3.0	25

#	ARTICLE	IF	CITATIONS
1922	A network-based biomarker approach for molecular investigation and diagnosis of lung cancer. BMC Medical Genomics, 2011, 4, 2.	0.7	75
1923	Aberrant repair and fibrosis development in skeletal muscle. Skeletal Muscle, 2011, 1, 21.	1.9	627
1924	Partners in crime: the TGF $\beta$ 2 and MAPK pathways in cancer progression. Cell and Bioscience, 2011, 1, 42.	2.1	80
1925	Unraveling the biological functions of Smad7 with mouse models. Cell and Bioscience, 2011, 1, 44.	2.1	20
1926	Network based transcription factor analysis of regenerating axolotl limbs. BMC Bioinformatics, 2011, 12, 80.	1.2	25
1927	In the ring with polycystic kidney diseaseâ€”avoiding the knockout punch. Journal of Pathology, 2011, 223, 1-3.	2.1	0
1928	The dynamic roles of TGF $\beta$ 2 in cancer. Journal of Pathology, 2011, 223, 206-219.	2.1	325
1929	PMEPA1 promotes androgen receptorâ€”negative prostate cell proliferation through suppressing the Smad3/4â€”câ€”Mycâ€”p21 <sup>Cip1</sup> signaling pathway. Journal of Pathology, 2011, 223, 683-694.	2.1	57
1930	Transforming growth factorâ€”beta type 1 receptor (ALK5) and Smad proteins mediate TIMPâ€”1 and collagen synthesis in experimental intestinal fibrosis. Journal of Pathology, 2011, 224, 461-472.	2.1	75
1931	Reactivation of embryonic nodal signaling is associated with tumor progression and promotes the growth of prostate cancer cells. Prostate, 2011, 71, 1198-1209.	1.2	93
1932	Investigating the role of FGFâ€”2 in stem cell maintenance by global phosphoproteomics profiling. Proteomics, 2011, 11, 3962-3971.	1.3	32
1933	Hydrolysable tannins of tropical almond show antifibrotic effects in TGF $\beta$ 1â€”induced hepatic stellate cells. Journal of the Science of Food and Agriculture, 2011, 91, 2777-2784.	1.7	18
1934	Small molecule inhibitor of type I transforming growth factor- $\beta$ 2 receptor kinase ameliorates the inhibitory milieu in injured brain and promotes regeneration of nigrostriatal dopaminergic axons. Journal of Neuroscience Research, 2011, 89, 381-393.	1.3	31
1935	Role of Smad2/3 and p38 MAP kinase in TGF $\beta$ 1â€”induced epithelialâ€”mesenchymal transition of pulmonary epithelial cells. Journal of Cellular Physiology, 2011, 226, 1248-1254.	2.0	116
1936	TGF $\beta$ 2 receptor activation enhances cardiac apoptosis via SMAD activation and concomitant NO release. Journal of Cellular Physiology, 2011, 226, 2683-2690.	2.0	33
1937	Endoglin promotes TGF- $\beta$ 2/Smad1 signaling in scleroderma fibroblasts. Journal of Cellular Physiology, 2011, 226, 3340-3348.	2.0	67
1938	<i>TGFBR2</i> deletion in a 20â€”monthâ€”old female with developmental delay and microcephaly. American Journal of Medical Genetics, Part A, 2011, 155, 1442-1447.	0.7	18
1939	Reticulon 4B (Nogo-B) is a novel regulator of hepatic fibrosis. Hepatology, 2011, 53, 1306-1315.	3.6	52

#	ARTICLE	IF	CITATIONS
1940	Sorafenib inhibits transforming growth factor $\beta$ 1-Mediated Epithelial-Mesenchymal Transition and apoptosis in mouse hepatocytes. <i>Hepatology</i> , 2011, 53, 1708-1718.	3.6	88
1941	BMPRII is dispensable for formation of the limb skeleton. <i>Genesis</i> , 2011, 49, 719-724.	0.8	19
1942	Phospho-Smad1 modulation by nedd4 e3 ligase in BMP/TGF- $\beta$ 2 signaling. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1411-1424.	3.1	29
1943	Conditional deletion of <i>Bmpr1a</i> in differentiated osteoclasts increases osteoblastic bone formation, increasing volume of remodeling bone in mice. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2511-2522.	3.1	72
1944	TGF- $\beta$ 2 regulates $\beta$ -catenin signaling and osteoblast differentiation in human mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1651-1660.	1.2	107
1945	BMP signaling in congenital heart disease: New developments and future directions. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 441-448.	1.6	58
1946	What chick and mouse models have taught us about the role of the endocardium in congenital heart disease. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 511-525.	1.6	33
1947	Signalling pathways and the host-parasite relationship: Putative targets for control interventions against schistosomiasis. <i>BioEssays</i> , 2011, 33, 203-214.	1.2	29
1948	Synthesis and biological evaluation of 1-substituted-3(5)-(6-methylpyridin-2-yl)-4-(quinolin-6-yl)pyrazoles as transforming growth factor- $\beta$ type 1 receptor kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2633-2640.	1.4	26
1949	Enhanced MSC chondrogenesis following delivery of TGF- $\beta$ 3 from alginate microspheres within hyaluronic acid hydrogels in vitro and in vivo. <i>Biomaterials</i> , 2011, 32, 6425-6434.	5.7	327
1950	$\beta$ -Catenin Mediates Mechanically Regulated, Transforming Growth Factor- $\beta$ 1-Induced Myofibroblast Differentiation of Aortic Valve Interstitial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 590-597.	1.1	167
1951	T $\beta$ RI/Alk5-independent T $\beta$ RII signaling to ERK1/2 in human skin cells according to distinct levels of T $\beta$ RII expression. <i>Journal of Cell Science</i> , 2011, 124, 19-24.	1.2	38
1952	TGF- $\beta$ 2-induced c-Myb affects the expression of EMT-associated genes and promotes invasion of ER <sup>+</sup> breast cancer cells. <i>Cell Cycle</i> , 2011, 10, 4149-4161.	1.3	50
1953	Feedback Regulation by Inhibins A and B of the Pituitary Secretion of Follicle-Stimulating Hormone. <i>Vitamins and Hormones</i> , 2011, 85, 299-321.	0.7	29
1954	Molecular bases of cortico-cerebral regionalization. <i>Progress in Brain Research</i> , 2011, 189, 37-64.	0.9	8
1955	Regulation of Calvarial Bone Growth by Molecules Involved in the Craniosynostoses. <i>Monographs in Human Genetics</i> , 2011, , 13-27.	0.5	2
1956	Smad3 Dosage Determines Androgen Responsiveness and Sets the Pace of Postnatal Testis Development. <i>Endocrinology</i> , 2011, 152, 2076-2089.	1.4	33
1957	The Epstein-Barr Virus Latent Membrane Protein 1 and Transforming Growth Factor- $\beta$ 1 Synergistically Induce Epithelial-Mesenchymal Transition in Lung Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 852-862.	1.4	56

#	ARTICLE	IF	CITATIONS
1958	c-Jun N-Terminal Kinase 1 Promotes Transforming Growth Factor- $\beta$ 1-Induced Epithelial-to-Mesenchymal Transition via Control of Linker Phosphorylation and Transcriptional Activity of Smad3. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 571-581.	1.4	66
1959	Controlled Delivery of Transforming Growth Factor $\beta$ 1 by Self-Assembling Peptide Hydrogels Induces Chondrogenesis of Bone Marrow Stromal Cells and Modulates Smad2/3 Signaling. <i>Tissue Engineering - Part A</i> , 2011, 17, 83-92.	1.6	69
1960	Extracellular Matrix Degradation and Remodeling in Development and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005058-a005058.	2.3	1,597
1961	Two developmental modules establish 3D beak-shape variation in Darwin's finches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4057-4062.	3.3	167
1962	TGF $\beta$ 2-dependent induction of interleukin-11 and interleukin-8 involves SMAD and p38 MAPK pathways in breast tumor models with varied bone metastases potential. <i>Cancer Biology and Therapy</i> , 2011, 11, 311-316.	1.5	45
1963	The effect of topical antitransforming growth factor- $\beta$ 1 in bleomycin-induced skin fibrosis in adult male albino rats. <i>Egyptian Journal of Histology</i> , 2011, 34, 705-714.	0.0	0
1964	Activation of Vascular Bone Morphogenetic Protein Signaling in Diabetes Mellitus. <i>Circulation Research</i> , 2011, 108, 446-457.	2.0	150
1965	$\beta$ 1 Protein Triggers Epithelial-Mesenchymal Transition and Confers Stem Cell Properties in Normal Human Keratinocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 38757-38767.	1.6	55
1966	Retrograde BMP signaling controls <i>Drosophila</i> behavior through regulation of a peptide hormone battery. <i>Development (Cambridge)</i> , 2011, 138, 3147-3157.	1.2	22
1967	Smad1 and its target gene <i>Wif1</i> coordinate BMP and Wnt signaling activities to regulate fetal lung development. <i>Development (Cambridge)</i> , 2011, 138, 925-935.	1.2	50
1968	Outgrowth of Drug-Resistant Carcinomas Expressing Markers of Tumor Aggression after Long-term T $\beta$ RI/II Kinase Inhibition with LY2109761. <i>Cancer Research</i> , 2011, 71, 2339-2349.	0.4	74
1969	Cardiac Myocyte-specific Ablation of Follistatin-like 3 Attenuates Stress-induced Myocardial Hypertrophy. <i>Journal of Biological Chemistry</i> , 2011, 286, 9840-9848.	1.6	37
1970	Prodomains of Transforming Growth Factor $\beta$ 2 (TGF $\beta$ 2) Superfamily Members Specify Different Functions. <i>Journal of Biological Chemistry</i> , 2011, 286, 5087-5099.	1.6	164
1971	Atrial Fibrillation Induces Myocardial Fibrosis Through Angiotensin II Type 1 Receptor-Specific Arkadia-Mediated Downregulation of Smad7. <i>Circulation Research</i> , 2011, 108, 164-175.	2.0	132
1972	Regulation of Kr $\beta$ 1-like Factor 4 by the Anaphase Promoting Complex Pathway Is Involved in TGF- $\beta$ 2 Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 6890-6901.	1.6	49
1973	Liver Metastasis: Biology and Clinical Management. <i>Cancer Metastasis - Biology and Treatment</i> , 2011, , .	0.1	6
1974	Induction of Heart Valve Lesions by Small-Molecule ALK5 Inhibitors. <i>Toxicologic Pathology</i> , 2011, 39, 916-924.	0.9	218
1975	Reduced SMAD7 Leads to Overactivation of TGF- $\beta$ 2 Signaling in MDS that Can Be Reversed by a Specific Inhibitor of TGF- $\beta$ 2 Receptor I Kinase. <i>Cancer Research</i> , 2011, 71, 955-963.	0.4	114

#	ARTICLE	IF	CITATIONS
1976	Blocking TGF- $\beta$ 1 Protects the Peritoneal Membrane from Dialysate-Induced Damage. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1682-1695.	3.0	146
1977	Novel functions of Noggin proteins: inhibition of Activin/Nodal and Wnt signaling. <i>Development (Cambridge)</i> , 2011, 138, 5345-5356.	1.2	62
1978	Hypoxia-inducible factor-1 $\alpha$ mediates TGF- $\beta$ -induced PAI-1 production in alveolar macrophages in pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L740-L752.	1.3	107
1979	Getting Physical With the Aortic Valve. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 474-475.	1.1	1
1980	The Molecular Basis of Sarcoma. <i>Sarcoma</i> , 2011, 2011, 1-3.	0.7	2
1981	Inhibition of Germinal Centre Apoptotic Programmes by Epstein-Barr Virus. <i>Advances in Hematology</i> , 2011, 2011, 1-10.	0.6	11
1982	Inactivation of <i>Bmp4</i> from the <i>Tbx1</i> Expression Domain Causes Abnormal Pharyngeal Arch Artery and Cardiac Outflow Tract Remodeling. <i>Cells Tissues Organs</i> , 2011, 193, 393-403.	1.3	7
1983	BMP-2 and TGF $\beta$ 2 Shared Pathways Regulate Endocardial Cell Transformation. <i>Cells Tissues Organs</i> , 2011, 194, 1-12.	1.3	30
1984	Distinctive Mechanism for Sustained TGF- $\beta$ Signaling and Growth Inhibition: MEK1 Activation-Dependent Stabilization of Type II TGF- $\beta$ Receptors. <i>Molecular Cancer Research</i> , 2011, 9, 78-89.	1.5	7
1985	Emergence of the Phosphoinositide 3-Kinase-Akt- Mammalian Target of Rapamycin Axis in Transforming Growth Factor- $\beta$ -Induced Epithelial-Mesenchymal Transition. <i>Cells Tissues Organs</i> , 2011, 193, 8-22.	1.3	85
1986	TGF $\beta$ -induced Early Activation of the Small GTPase RhoA is Smad2/3-independent and Involves Src and the Guanine Nucleotide Exchange Factor Vav2. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 229-238.	1.1	20
1987	Stem cell antigen-1 enhances tumorigenicity by disruption of growth differentiation factor-10 (GDF10)-dependent TGF- $\beta$ signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7820-7825.	3.3	66
1988	Smad2 Protein Disruption in the Central Nervous System Leads to Aberrant Cerebellar Development and Early Postnatal Ataxia in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 18766-18774.	1.6	16
1989	Smad7: not only a regulator, but also a cross-talk mediator of TGF- $\beta$ signalling. <i>Biochemical Journal</i> , 2011, 434, 1-10.	1.7	187
1990	TGF- $\beta$ -RI Kinase Inhibitor SD-208 Reduces the Development and Progression of Melanoma Bone Metastases. <i>Cancer Research</i> , 2011, 71, 175-184.	0.4	203
1991	Formation of Stable Homomeric and Transient Heteromeric Bone Morphogenetic Protein (BMP) Receptor Complexes Regulates Smad Protein Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 19287-19296.	1.6	32
1992	Gene expression signature of c-MYC-immortalized human fibroblasts reveals loss of growth inhibitory response to TGF $\beta$ . <i>Cell Cycle</i> , 2011, 10, 2540-2548.	1.3	10
1993	Nuclear translocation of Skp2 facilitates its destruction in response to TGF $\beta$ signaling. <i>Cell Cycle</i> , 2011, 10, 285-292.	1.3	16

#	ARTICLE	IF	CITATIONS
1994	Smad-mediated miRNA processing. <i>RNA Biology</i> , 2011, 8, 71-76.	1.5	32
1995	Targeting Activin Receptor-Like Kinase 1 Inhibits Angiogenesis and Tumorigenesis through a Mechanism of Action Complementary to Anti-VEGF Therapies. <i>Cancer Research</i> , 2011, 71, 1362-1373.	0.4	117
1996	Epigenetic control of vascular smooth muscle cells in Marfan and non-Marfan thoracic aortic aneurysms. <i>Cardiovascular Research</i> , 2011, 89, 446-456.	1.8	95
1997	Role of Sema4C in TGF- $\beta$ 1-induced mitogen-activated protein kinase activation and epithelial-mesenchymal transition in renal tubular epithelial cells. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 1149-1156.	0.4	35
1998	Transforming growth factor- $\beta$ 2 and oxidative stress mediate tachycardia-induced cellular remodelling in cultured atrial-derived myocytes. <i>Cardiovascular Research</i> , 2011, 91, 62-70.	1.8	62
1999	TGF $\beta$ 2 superfamily signaling in the neural crest lineage. <i>Cell Adhesion and Migration</i> , 2011, 5, 232-236.	1.1	12
2000	Molecular Mechanism of the Negative Regulation of Smad1/5 Protein by Carboxyl Terminus of Hsc70-interacting Protein (CHIP). <i>Journal of Biological Chemistry</i> , 2011, 286, 15883-15894.	1.6	58
2001	IL-13 Induces Connective Tissue Growth Factor in Rat Hepatic Stellate Cells via TGF- $\beta$ 2-Independent Smad Signaling. <i>Journal of Immunology</i> , 2011, 187, 2814-2823.	0.4	103
2002	Global Identification of SMAD2 Target Genes Reveals a Role for Multiple Co-regulatory Factors in Zebrafish Early Gastrulas. <i>Journal of Biological Chemistry</i> , 2011, 286, 28520-28532.	1.6	50
2003	Dragon (Repulsive Guidance Molecule b) Inhibits IL-6 Expression in Macrophages. <i>Journal of Immunology</i> , 2011, 186, 1369-1376.	0.4	49
2004	Emerging Roles for the Transforming Growth Factor- $\beta$ 2 Superfamily in Regulating Adiposity and Energy Expenditure. <i>Endocrine Reviews</i> , 2011, 32, 387-403.	8.9	165
2005	Transforming Growth Factor- $\beta$ 1-induced Transcript 1 Protein, a Novel Marker for Smooth Muscle Contractile Phenotype, Is Regulated by Serum Response Factor/Myocardin Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 41589-41599.	1.6	43
2006	Averting a Roadblock in Transforming Growth Factor $\beta$ 2 Signaling. <i>Molecular and Cellular Biology</i> , 2011, 31, 3684-3686.	1.1	3
2007	Sca-1 is negatively regulated by TGF $\beta$ 2 in myogenic cells. <i>FASEB Journal</i> , 2011, 25, 1156-1165.	0.2	20
2008	dickkopf-3-related Gene Regulates the Expression of Zebrafish myf5 Gene through Phosphorylated p38a-dependent Smad4 Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 6855-6864.	1.6	17
2009	The Regulation of Valvular and Vascular Sclerosis by Osteogenic Morphogens. <i>Circulation Research</i> , 2011, 109, 564-577.	2.0	226
2010	RB1CC1 Protein Positively Regulates Transforming Growth Factor- $\beta$ 2 Signaling through the Modulation of Arkadia E3 Ubiquitin Ligase Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 32502-32512.	1.6	30
2011	Activin A inhibits vascular endothelial cell growth and suppresses tumour angiogenesis in gastric cancer. <i>British Journal of Cancer</i> , 2011, 105, 1210-1217.	2.9	83

#	ARTICLE	IF	CITATIONS
2012	Interaction of p53 with Tumor Suppressive and Oncogenic Signaling Pathways to Control Cellular Reactive Oxygen Species Production. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1749-1761.	2.5	51
2013	Bone Morphogenetic Protein 4 Mediates Human Embryonic Germ Cell Derivation. <i>Stem Cells and Development</i> , 2011, 20, 351-361.	1.1	34
2014	Preparation of Novel Anti-Ski Monoclonal Antibodies. <i>Hybridoma</i> , 2011, 30, 393-395.	0.5	0
2015	Treatment of Ovarian Cancer Cells with Nutlin-3 and Resveratrol Combination Leads to Apoptosis via Caspase Activation. <i>Journal of Medicinal Food</i> , 2011, 14, 46-52.	0.8	12
2016	Growth differentiation factor 15 deficiency protects against atherosclerosis by attenuating CCR2-mediated macrophage chemotaxis. <i>Journal of Experimental Medicine</i> , 2011, 208, 217-225.	4.2	168
2017	Transforming Growth Factor Beta Regulates Proliferation and Invasion of Rat Placental Cell Lines1. <i>Biology of Reproduction</i> , 2011, 84, 553-559.	1.2	42
2018	A Smad action turnover switch operated by WW domain readers of a phosphoserine code. <i>Genes and Development</i> , 2011, 25, 1275-1288.	2.7	207
2019	Autocrine TGF- $\beta$ 2 protects breast cancer cells from apoptosis through reduction of BH3-only protein, Bim. <i>Journal of Biochemistry</i> , 2011, 149, 55-65.	0.9	49
2020	Graded Nodal/Activin Signaling Titrates Conversion of Quantitative Phospho-Smad2 Levels into Qualitative Embryonic Stem Cell Fate Decisions. <i>PLoS Genetics</i> , 2011, 7, e1002130.	1.5	80
2021	Bmp and Nodal Independently Regulate <i>lefty1</i> Expression to Maintain Unilateral Nodal Activity during Left-Right Axis Specification in Zebrafish. <i>PLoS Genetics</i> , 2011, 7, e1002289.	1.5	45
2022	The Wnt and BMP Families of Signaling Morphogens at the Vertebrate Neuromuscular Junction. <i>International Journal of Molecular Sciences</i> , 2011, 12, 8924-8946.	1.8	17
2023	Gene Expression Profiling Reveals <i>Cyp26b1</i> to Be an Activin Regulated Gene Involved in Ovarian Granulosa Cell Proliferation. <i>Endocrinology</i> , 2011, 152, 303-312.	1.4	43
2024	The Genetics of Pulmonary Arterial Hypertension in the Post-BMPR2 Era. <i>Pulmonary Circulation</i> , 2011, 1, 305-319.	0.8	52
2025	Interactions between CKD and MetS and the Development of CVD. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-2.	0.5	3
2026	Treatment of Pancreatic Cancer: What Can We Really Predict Today?. <i>Cancers</i> , 2011, 3, 675-699.	1.7	8
2027	TGF- $\beta$ Biology in Mammary Development and Breast Cancer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a003277-a003277.	2.3	197
2028	TGF- $\beta$ 2 stimulates biglycan core protein synthesis but not glycosaminoglycan chain elongation via Akt phosphorylation in vascular smooth muscle. <i>Growth Factors</i> , 2011, 29, 203-210.	0.5	22
2029	The Smad family and its role in pancreatic cancer. <i>Indian Journal of Cancer</i> , 2011, 48, 351.	0.2	39

#	ARTICLE	IF	CITATIONS
2030	Dynamical and Structural Analysis of a T Cell Survival Network Identifies Novel Candidate Therapeutic Targets for Large Granular Lymphocyte Leukemia. <i>PLoS Computational Biology</i> , 2011, 7, e1002267.	1.5	162
2031	Ablation of Smurf2 reveals an inhibition in TGF- $\beta$ 2 signalling through multiple mono-ubiquitination of Smad3. <i>EMBO Journal</i> , 2011, 30, 4777-4789.	3.5	115
2032	Transforming Growth Factor- $\beta$ 1 as a Common Target Molecule for Development of Cardiovascular Diseases, Renal Insufficiency and Metabolic Syndrome. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-9.	0.5	38
2033	Activin B regulates islet composition and islet mass but not whole body glucose homeostasis or insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E587-E596.	1.8	19
2034	Identification of Major Active Ingredients Responsible for Burn Wound Healing of <i>Centella asiatica</i> Herbs. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-13.	0.5	75
2035	Mnk kinases in cytokine signaling and regulation of cytokine responses. <i>Biomolecular Concepts</i> , 2012, 3, 127-139.	1.0	35
2036	The Effect of Vitamin D on Expression of TGF $\beta$ 21 in Ovary. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2012, 120, 494-493.	0.6	12
2037	SKIP Downregulation Increases TGF- $\beta$ 1-Induced Matrix Metalloproteinase-9 Production in Transformed Keratinocytes. <i>Scientifica</i> , 2012, 2012, 1-8.	0.6	1
2038	TGF- $\beta$ 2 sensitivity is determined by N-linked glycosylation of the type $\beta$ 2 TGF- $\beta$ 2 receptor. <i>Biochemical Journal</i> , 2012, 445, 403-411.	1.7	79
2039	APC and Smad7 link TGF $\beta$ 2 type I receptors to the microtubule system to promote cell migration. <i>Molecular Biology of the Cell</i> , 2012, 23, 2109-2121.	0.9	32
2040	miR-125 potentiates early neural specification of human embryonic stem cells. <i>Development (Cambridge)</i> , 2012, 139, 1247-1257.	1.2	106
2041	Smad3 mediates ANG II-induced hypertensive kidney disease in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F986-F997.	1.3	90
2042	The Loss of Hoxa5 Function Causes Estrous Acyclicity and Ovarian Epithelial Inclusion Cysts. <i>Endocrinology</i> , 2012, 153, 1484-1497.	1.4	22
2043	Astrocyte-induced Synaptogenesis Is Mediated by Transforming Growth Factor $\beta$ 2 Signaling through Modulation of d-Serine Levels in Cerebral Cortex Neurons. <i>Journal of Biological Chemistry</i> , 2012, 287, 41432-41445.	1.6	186
2044	Novel Biomarkers in Cardiovascular Disease. <i>Cardiology in Review</i> , 2012, 20, 111-117.	0.6	11
2045	Transforming Growth Factor $\beta$ 21 (TGF- $\beta$ 21) Suppresses Growth of B-cell Lymphoma Cells by p14ARF-dependent Regulation of Mutant p53. <i>Journal of Biological Chemistry</i> , 2012, 287, 23184-23195.	1.6	9
2046	Epithelial-Mesenchymal Transition, TGF- $\beta$ 2, and Osteopontin in Wound Healing and Tissue Remodeling After Injury. <i>Journal of Burn Care and Research</i> , 2012, 33, 311-318.	0.2	120
2047	Therapeutic Impact of Follistatin-Like 1 on Myocardial Ischemic Injury in Preclinical Models. <i>Circulation</i> , 2012, 126, 1728-1738.	1.6	155



#	ARTICLE	IF	CITATIONS
2048	The MicroRNA-17-92 Family of MicroRNA Clusters in Development and Disease. <i>Cancer Journal (Sudbury,)</i> Tj ETQq0,0,0 rgBT /Overlock 1	1.0	242
2049	Two Distinct Processes of Bone-like Tissue Formation by Dental Pulp Cells after Tooth Transplantation. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 861-873.	1.3	13
2050	Transforming Growth Factor $\beta$ 2 Inhibits Bone Morphogenetic Protein-Induced Transcription through Novel Phosphorylated Smad1/5-Smad3 Complexes. <i>Molecular and Cellular Biology</i> , 2012, 32, 2904-2916.	1.1	87
2051	Mammalian foetal ovarian development: consequences for health and disease. <i>Reproduction</i> , 2012, 143, 151-163.	1.1	70
2052	Role of the microenvironment in the tumorigenesis of microsatellite unstable and MUTYH-associated polyposis colorectal cancers. <i>Mutagenesis</i> , 2012, 27, 247-253.	1.0	9
2053	Transforming Growth Factor $\beta$ Signaling Perturbation in the Loeys-Dietz Syndrome. <i>Current Medicinal Chemistry</i> , 2012, 19, 454-460.	1.2	17
2054	Transforming Growth Factor-Beta Superfamily: Animal Models for Development and Disease. <i>BioValley Monographs</i> , 2012, , 39-49.	0.1	0
2055	Fibrodysplasia ossificans progressiva: mechanisms and models of skeletal metamorphosis. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 756-762.	1.2	109
2056	The Effects of Apolipoproteins E3 and E4 on the Transforming Growth Factor- $\beta$ 2 System in Targeted Replacement Mice. <i>Neurodegenerative Diseases</i> , 2012, 10, 41-45.	0.8	11
2057	Role of Adrenomedullin in the Growth and Differentiation of Stem and Progenitor Cells. <i>International Review of Cell and Molecular Biology</i> , 2012, 297, 175-234.	1.6	7
2058	TGF- $\beta$ 2: the sword, the wand, and the shield of FOXP3+ regulatory T cells. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 29-37.	1.5	223
2059	PICK1 promotes caveolin-dependent degradation of TGF- $\beta$ 2 type I receptor. <i>Cell Research</i> , 2012, 22, 1467-1478.	5.7	49
2060	Activation of multiple cancer pathways and tumor maintenance function of the 3q amplified oncogene <i>FNDC3B</i> . <i>Cell Cycle</i> , 2012, 11, 1773-1781.	1.3	70
2061	Interaction Between Smad1 and p97/VCP in Rat Testis and Epididymis During the Postnatal Development. <i>Reproductive Sciences</i> , 2012, 19, 190-201.	1.1	9
2062	The role of TGF- $\beta$ 2 in bone metastasis: novel therapeutic perspectives. <i>BoneKey Reports</i> , 2012, 1, 96.	2.7	80
2063	Gene expression profiling in glomeruli of diabetic nephropathy rat. <i>Experimental Biology and Medicine</i> , 2012, 237, 903-911.	1.1	13
2064	Mutations at a single codon in Mad homology 2 domain of SMAD4 cause Myhre syndrome. <i>Nature Genetics</i> , 2012, 44, 85-88.	9.4	125
2065	Role of Integrin- $\beta$ 3 Protein in Macrophage Polarization and Regeneration of Injured Muscle. <i>Journal of Biological Chemistry</i> , 2012, 287, 6177-6186.	1.6	50

#	ARTICLE	IF	CITATIONS
2066	Interactions Between $\beta$ -Catenin and Transforming Growth Factor- $\beta$ Signaling Pathways Mediate Epithelial-Mesenchymal Transition and Are Dependent on the Transcriptional Co-activator cAMP-response Element-binding Protein (CREB)-binding Protein (CBP). <i>Journal of Biological Chemistry</i> , 2012, 287, 7026-7038.	1.6	223
2067	Structure of the Bone Morphogenetic Protein Receptor ALK2 and Implications for Fibrodysplasia Ossificans Progressiva. <i>Journal of Biological Chemistry</i> , 2012, 287, 36990-36998.	1.6	159
2068	The kinase Sgg modulates temporal development of macrochaetes in <i>Drosophila</i> by phosphorylation of Scute and Pannier. <i>Development (Cambridge)</i> , 2012, 139, 325-334.	1.2	20
2069	The regenerative capacity of the zebrafish heart is dependent on TGF $\beta$ signaling. <i>Development (Cambridge)</i> , 2012, 139, 1921-1930.	1.2	219
2070	BMP Receptor 1A Regulates Development of Hypothalamic Circuits Critical for Feeding Behavior. <i>Journal of Neuroscience</i> , 2012, 32, 17211-17224.	1.7	25
2071	Cardiac Lineage Protein-1 (CLP-1) Regulates Cardiac Remodeling via Transcriptional Modulation of Diverse Hypertrophic and Fibrotic Responses and Angiotensin II-transforming Growth Factor $\beta$ (TGF- $\beta$ 2) Signaling Axis. <i>Journal of Biological Chemistry</i> , 2012, 287, 13084-13093.	1.6	23
2072	Smad7-deficient mice show growth retardation with reduced viability. <i>Journal of Biochemistry</i> , 2012, 151, 621-631.	0.9	28
2073	LRP1-Dependent Endocytic Mechanism Governs the Signaling Output of the Bmp System in Endothelial Cells and in Angiogenesis. <i>Circulation Research</i> , 2012, 111, 564-574.	2.0	63
2074	USP11 augments TGF $\beta$ signalling by deubiquitylating ALK5. <i>Open Biology</i> , 2012, 2, 120063.	1.5	100
2075	TGF $\beta$ -Stimulated MicroRNA-21 Utilizes PTEN to Orchestrate AKT/mTORC1 Signaling for Mesangial Cell Hypertrophy and Matrix Expansion. <i>PLoS ONE</i> , 2012, 7, e42316.	1.1	100
2076	Canonical BMP7 activity is required for the generation of discrete neuronal populations in the dorsal spinal cord. <i>Development (Cambridge)</i> , 2012, 139, 259-268.	1.2	76
2077	Nicotine-Induced Morphological Changes in Rat Aorta: The Protective Role of Melatonin. <i>Cells Tissues Organs</i> , 2012, 195, 252-259.	1.3	22
2078	Roles of BMP Signaling Pathway in Lip and Palate Development. <i>Frontiers of Oral Biology</i> , 2012, 16, 60-70.	1.5	63
2079	Activation of MAPK/PI3K/SMAD Pathways by TGF- $\beta$ 1 Controls Differentiation of Radial Glia into Astrocytes in vitro. <i>Developmental Neuroscience</i> , 2012, 34, 68-81.	1.0	55
2080	Histone Demethylase KDM6B Promotes Epithelial-Mesenchymal Transition. <i>Journal of Biological Chemistry</i> , 2012, 287, 44508-44517.	1.6	145
2081	Bone Morphogenetic Proteins in Craniofacial Surgery: Current Techniques, Clinical Experiences, and the Future of Personalized Stem Cell Therapy. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-14.	3.0	50
2082	Cell Signals Influencing Hepatic Fibrosis. <i>International Journal of Hepatology</i> , 2012, 2012, 1-18.	0.4	56
2083	In Vitro Osteogenic Properties of Two Dental Implant Surfaces. <i>International Journal of Biomaterials</i> , 2012, 2012, 1-14.	1.1	24

#	ARTICLE	IF	CITATIONS
2084	Lithium Attenuates TGF- $\beta$ 1-Induced Fibroblasts to Myofibroblasts Transition in Bronchial Fibroblasts Derived from Asthmatic Patients. <i>Journal of Allergy</i> , 2012, 2012, 1-12.	0.7	12
2085	The Roles of Mitogen-Activated Protein Kinase Pathways in TGF- $\beta$ 2-Induced Epithelial-Mesenchymal Transition. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-10.	2.0	110
2086	Crosstalk between p53 and TGF- $\beta$ 1 Signalling. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-10.	2.0	92
2087	Requirements of transcription factor Smad-dependent and -independent TGF- $\beta$ 2 signaling to control discrete T-cell functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 905-910.	3.3	111
2088	Axin Pathway Activity Regulates in Vivo pY654- $\beta$ -catenin Accumulation and Pulmonary Fibrosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 5164-5172.	1.6	83
2089	Coated Pit-mediated Endocytosis of the Type I Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Receptor Depends on a Di-leucine Family Signal and Is Not Required for Signaling. <i>Journal of Biological Chemistry</i> , 2012, 287, 26876-26889.	1.6	23
2090	Targeted Proteomics of the Secretory Pathway Reveals the Secretome of Mouse Embryonic Fibroblasts and Human Embryonic Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1829-1839.	2.5	31
2091	Endoglin regulates PI3-kinase/Akt trafficking and signaling to alter endothelial capillary stability during angiogenesis. <i>Molecular Biology of the Cell</i> , 2012, 23, 2412-2423.	0.9	41
2092	Vascular Smooth Muscle Cell <i>Smad4</i> Gene Is Important for Mouse Vascular Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2171-2177.	1.1	45
2093	Convergent signaling in the regulation of connective tissue growth factor in malignant mesothelioma: TGF- $\beta$ 2 signaling and defects in the Hippo signaling cascade. <i>Cell Cycle</i> , 2012, 11, 3373-3379.	1.3	44
2094	miR-192, miR-194, miR-215, miR-200c and miR-141 are downregulated and their common target ACVR2B is strongly expressed in renal childhood neoplasms. <i>Carcinogenesis</i> , 2012, 33, 1014-1021.	1.3	121
2095	Recent developments in bone anabolic therapy for osteoporosis. <i>Expert Review of Endocrinology and Metabolism</i> , 2012, 7, 677-685.	1.2	6
2096	TGF- $\beta$ 2 and BMP Signaling in Osteoblast Differentiation and Bone Formation. <i>International Journal of Biological Sciences</i> , 2012, 8, 272-288.	2.6	1,354
2097	BMPS and Liver: More Questions than Answers. <i>Current Pharmaceutical Design</i> , 2012, 18, 4114-4125.	0.9	17
2098	TGF-Beta: a Master Switch in Tumor Immunity. <i>Current Pharmaceutical Design</i> , 2012, 18, 4126-4134.	0.9	40
2099	TGF- $\beta$ 2 in Epithelial to Mesenchymal Transition and Metastasis of Liver Carcinoma. <i>Current Pharmaceutical Design</i> , 2012, 18, 4135-4147.	0.9	95
2100	Repulsive Guidance Molecules (RGMs) and Their Potential Implication in Cancer as Co-receptor of BMPs. <i>Current Signal Transduction Therapy</i> , 2012, 7, 149-160.	0.3	1
2101	The anti-motility signaling mechanism of TGF- $\beta$ 3 that controls cell traffic during skin wound healing. <i>Biology Open</i> , 2012, 1, 1169-1177.	0.6	14

#	ARTICLE	IF	CITATIONS
2102	TGF $\beta$ 2 Signaling in Liver Regeneration. <i>Current Pharmaceutical Design</i> , 2012, 18, 4103-4113.	0.9	58
2103	Isolation and Identification of Transforming Growth Factor $\beta$ 2 from In Vitro Matured Cumulus Oocyte Complexes. <i>HAYATI Journal of Biosciences</i> , 2012, 19, 6-10.	0.1	1
2104	Current Status of Therapeutic Targeting of Developmental Signalling Pathways in Oncology. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 2184-2220.	0.9	29
2105	Modeling TGF- $\beta$ 2 signaling pathway in epithelial-mesenchymal transition. <i>AIP Advances</i> , 2012, 2, 011201.	0.6	2
2106	Isoflurane Post-conditioning Protects Against Intestinal Ischemia-Reperfusion Injury and Multiorgan Dysfunction via Transforming Growth Factor- $\beta$ 1 Generation. <i>Annals of Surgery</i> , 2012, 255, 492-503.	2.1	49
2107	Basic Science for the Clinician 57. <i>Journal of Clinical Rheumatology</i> , 2012, 18, 268-272.	0.5	7
2108	Review of "Force-Induced Craniosynostosis in the Murine Sagittal Suture". <i>Journal of Craniofacial Surgery</i> , 2012, 23, 1220-1221.	0.3	0
2109	TGF- $\beta$ 2 signaling in Duchenne muscular dystrophy. <i>Future Neurology</i> , 2012, 7, 209-224.	0.9	4
2110	Identification of Smad Response Elements in the Promoter of Goldfish FSH $\beta$ Gene and Evidence for Their Mediation of Activin and GnRH Stimulation of FSH $\beta$ Expression. <i>Frontiers in Endocrinology</i> , 2012, 3, 47.	1.5	5
2111	8.3 Growth factor signaling and extracellular matrix. , 0, , .		1
2112	RhoA/Rho kinase signaling regulates transforming growth factor- $\beta$ 1-induced chondrogenesis and actin organization of synovium-derived mesenchymal stem cells through interaction with the Smad pathway. <i>International Journal of Molecular Medicine</i> , 2012, 30, 1119-1125.	1.8	46
2113	MM-associated anemia: more than "crowding out" HSPCs. <i>Blood</i> , 2012, 120, 2539-2540.	0.6	1
2114	Concordant Promoter Methylation of Transforming Growth Factor-Beta Receptor Types I and II Occurs Early in Esophageal Squamous Cell Carcinoma. <i>American Journal of the Medical Sciences</i> , 2012, 343, 375-381.	0.4	19
2115	Inhibition of apelin expression by BMP signaling in endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C1139-C1145.	2.1	36
2116	Immunology of brain tumors. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2012, 104, 45-51.	1.0	14
2117	Transforming Growth Factor- $\beta$ 2/SMAD Target Gene SKI Is Negatively Regulated by the Transcriptional Cofactor Complex SNON-SMAD4. <i>Journal of Biological Chemistry</i> , 2012, 287, 26764-26776.	1.6	35
2118	p21-activated Kinase 2 (PAK2) Inhibits TGF- $\beta$ 2 Signaling in Madin-Darby Canine Kidney (MDCK) Epithelial Cells by Interfering with the Receptor-Smad Interaction. <i>Journal of Biological Chemistry</i> , 2012, 287, 13705-13712.	1.6	23
2119	Cardiokines. <i>Circulation</i> , 2012, 126, e327-32.	1.6	96

#	ARTICLE	IF	CITATIONS
2120	5-(1,3-Benzothiazol-6-yl)-4-(4-methyl-1,3-thiazol-2-yl)-1H-imidazole derivatives as potent and selective transforming growth factor- $\beta$ type I receptor inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 7128-7138.	1.4	14
2121	Epithelial-mesenchymal transition, cancer stem cells and treatment resistance. <i>Breast Cancer Research</i> , 2012, 14, 202.	2.2	204
2122	A novel function for p21Cip1 and acetyltransferase p/CAF as critical transcriptional regulators of TGF $\beta$ -mediated breast cancer cell migration and invasion. <i>Breast Cancer Research</i> , 2012, 14, R127.	2.2	50
2123	Noggin suppression decreases BMP $\alpha$ -induced osteogenesis of human bone marrow-derived mesenchymal stem cells <i>In Vitro</i> . <i>Journal of Cellular Biochemistry</i> , 2012, 113, 3672-3680.	1.2	61
2124	Toward a better understanding of the interaction between TGF $\beta$ family members and their ALK receptors. <i>Journal of Molecular Modeling</i> , 2012, 18, 3617-3625.	0.8	7
2125	The cell-specific upregulation of bone morphogenetic protein-10 (BMP-10) in a model of rat cortical brain injury. <i>Journal of Molecular Histology</i> , 2012, 43, 543-552.	1.0	9
2126	Protein phosphatase 5 modulates SMAD3 function in the transforming growth factor- $\beta$ pathway. <i>Cellular Signalling</i> , 2012, 24, 1999-2006.	1.7	21
2127	DRAK2 Participates in a Negative Feedback Loop to Control TGF- $\beta$ /Smads Signaling by Binding to Type I TGF- $\beta$ Receptor. <i>Cell Reports</i> , 2012, 2, 1286-1299.	2.9	39
2128	Regulation of TGF $\beta$ in the immune system: An emerging role for integrins and dendritic cells. <i>Immunobiology</i> , 2012, 217, 1259-1265.	0.8	99
2129	Transforming Growth Factor- $\beta$ , Bioenergetics, and Mitochondria in Renal Disease. <i>Seminars in Nephrology</i> , 2012, 32, 295-303.	0.6	85
2130	Epidermal Hyperplasia and Appendage Abnormalities in Mice Lacking CD109. <i>American Journal of Pathology</i> , 2012, 181, 1180-1189.	1.9	31
2131	TGF- $\beta$ Signaling via TAK1 Pathway: Role in Kidney Fibrosis. <i>Seminars in Nephrology</i> , 2012, 32, 244-252.	0.6	112
2132	Modularized Smad-regulated TGF $\beta$ signaling pathway. <i>Mathematical Biosciences</i> , 2012, 240, 187-200.	0.9	6
2133	TGF- $\beta$ /BMP Pathways and the Podocyte. <i>Seminars in Nephrology</i> , 2012, 32, 368-376.	0.6	19
2134	Transforming growth factor $\beta$ mRNA and protein expression in the ovary of the chicken embryo. <i>Growth Factors</i> , 2012, 30, 297-303.	0.5	3
2135	Mechanical Aspects of Lung Fibrosis. <i>Proceedings of the American Thoracic Society</i> , 2012, 9, 137-147.	3.5	169
2136	TGF- $\beta$ -induced activation of mTOR complex 2 drives epithelial-mesenchymal transition and cell invasion. <i>Journal of Cell Science</i> , 2012, 125, 1259-1273.	1.2	264
2137	Cell-type specific regulation of myostatin signaling. <i>FASEB Journal</i> , 2012, 26, 1462-1472.	0.2	57

#	ARTICLE	IF	CITATIONS
2138	Regulation of the transforming growth factor $\beta$ 2 pathway by reversible ubiquitylation. <i>Open Biology</i> , 2012, 2, 120082.	1.5	22
2139	DMH1, a Highly Selective Small Molecule BMP Inhibitor Promotes Neurogenesis of hiPSCs: Comparison of PAX6 and SOX1 Expression during Neural Induction. <i>ACS Chemical Neuroscience</i> , 2012, 3, 482-491.	1.7	95
2140	Mechanisms of post-intervention arterial remodelling. <i>Cardiovascular Research</i> , 2012, 96, 363-371.	1.8	87
2141	Expression and purification of recombinant protein related to DAN and cerberus (PRDC). <i>Protein Expression and Purification</i> , 2012, 82, 389-395.	0.6	10
2142	Targeting TGF $\beta$ 2 superfamily ligand accessory proteins as novel therapeutics for chronic lung disorders. , 2012, 135, 279-291.		17
2143	Estrogen receptor dependent gene expression by osteoblasts â€œ Direct, indirect, circumspect, and speculative effects. <i>Steroids</i> , 2012, 77, 174-184.	0.8	25
2144	Differential regulation of the two RhoA-specific GEF isoforms Net1/Net1A by TGF- $\beta$ 2 and miR-24: role in epithelial-to-mesenchymal transition. <i>Oncogene</i> , 2012, 31, 2862-2875.	2.6	95
2145	Genome-wide analysis reveals that Smad3 and JMJD3 HDM co-activate the neural developmental program. <i>Development (Cambridge)</i> , 2012, 139, 2681-2691.	1.2	100
2146	Antagonism of Nodal signaling by BMP/Smad5 prevents ectopic primitive streak formation in the mouse amnion. <i>Development (Cambridge)</i> , 2012, 139, 3343-3354.	1.2	29
2147	TGF $\beta$ 2 signalling in context. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 616-630.	16.1	2,619
2148	Metabolic reprogramming of cancer-associated fibroblasts by TGF- $\beta$ 2 drives tumor growth: Connecting TGF- $\beta$ 2 signaling with â€œWarburg-likeâ€•cancer metabolism and L-lactate production. <i>Cell Cycle</i> , 2012, 11, 3019-3035.	1.3	249
2149	Autism spectrum disorders. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 745-746.	21.5	29
2150	Bone morphogenetic protein 2 inhibits neurite outgrowth of motor neuron-like NSC34 cells and up-regulates its type II receptor. <i>Journal of Neurochemistry</i> , 2012, 122, 594-604.	2.1	15
2151	Receptor Kinase Interactions: Complexity of Signalling. <i>Signaling and Communication in Plants</i> , 2012, , 145-172.	0.5	3
2152	Human hematopoietic stem/progenitor cells overexpressing Smad4 exhibit impaired reconstitution potential in vivo. <i>Blood</i> , 2012, 120, 4343-4351.	0.6	16
2153	Targeting the TGF $\beta$ 2 signalling pathway in disease. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 790-811.	21.5	1,207
2154	Myeloid Progenitor Cells in the Premetastatic Lung Promote Metastases by Inducing Mesenchymal to Epithelial Transition. <i>Cancer Research</i> , 2012, 72, 1384-1394.	0.4	261
2155	Primary Open-Angle Glaucoma. <i>American Journal of Pathology</i> , 2012, 180, 2201-2204.	1.9	16

#	ARTICLE	IF	CITATIONS
2156	Loss of Akt1 evokes epithelial-mesenchymal transition by autocrine regulation of transforming growth factor- $\hat{1}^2$ . <i>Advances in Biological Regulation</i> , 2012, 52, 88-96.	1.4	2
2157	Fungal pyrrolidine-containing metabolites inhibit alkaline phosphatase activity in bone morphogenetic protein-stimulated myoblastoma cells. <i>Acta Pharmaceutica Sinica B</i> , 2012, 2, 23-27.	5.7	21
2158	Contribution of Epithelial-to-Mesenchymal Transition and Cancer Stem Cells to Pancreatic Cancer Progression. <i>Journal of Surgical Research</i> , 2012, 173, 105-112.	0.8	80
2159	RNF12 Controls Embryonic Stem Cell Fate and Morphogenesis in Zebrafish Embryos by Targeting Smad7 for Degradation. <i>Molecular Cell</i> , 2012, 46, 650-661.	4.5	83
2160	Current pathophysiological concepts and management of pulmonary hypertension. <i>International Journal of Cardiology</i> , 2012, 155, 350-361.	0.8	48
2161	Next-generation sequencing identifies TGF- $\hat{1}^2$ -associated gene expression profiles in renal epithelial cells reiterated in human diabetic nephropathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 589-599.	1.8	80
2162	Bone morphogenetic protein (BMP)-4 and BMP-7 suppress granulosa cell apoptosis via different pathways: BMP-4 via PI3K/PDK-1/Akt and BMP-7 via PI3K/PDK-1/PKC. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 869-873.	1.0	57
2163	Mechanisms involved in inhibition of chondrogenesis by activin-A. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 380-384.	1.0	10
2164	Negative regulation of Odd-skipped related 2 by TGF-beta achieves the induction of cellular migration and the arrest of cell cycle. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 696-700.	1.0	3
2165	Protective effect of yacon leaves decoction against early nephropathy in experimental diabetic rats. <i>Food and Chemical Toxicology</i> , 2012, 50, 1704-1715.	1.8	44
2166	A portrait of Transforming Growth Factor $\hat{1}^2$ superfamily signalling: Background matters. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 469-474.	1.2	182
2167	Intracellular redox equilibrium is essential for the constitutive expression of AP-1 dependent genes in resting cells: Studies on TGF- $\hat{1}^2$ regulation. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 963-971.	1.2	22
2168	Smad ubiquitination regulatory factor 2 expression is enhanced in hypertrophic scar fibroblasts from burned children. <i>Burns</i> , 2012, 38, 236-246.	1.1	25
2169	Effect of tetrandrine on the TGF- $\hat{1}^2$ -induced smad signal transduction pathway in human hypertrophic scar fibroblasts in vitro. <i>Burns</i> , 2012, 38, 404-413.	1.1	36
2170	Bone morphogenetic protein 4â€™a fascinating regulator of cancer cell behavior. <i>Cancer Genetics</i> , 2012, 205, 267-277.	0.2	81
2171	A novel gain-of-function mutation of TGF- $\hat{1}^2$ receptor II promotes cancer progression via delayed receptor internalization in oral squamous cell carcinoma. <i>Cancer Letters</i> , 2012, 315, 161-169.	3.2	19
2172	Spatial Restriction of Bone Morphogenetic Protein Signaling in Mouse Gastrula through the mVam2-Dependent Endocytic Pathway. <i>Developmental Cell</i> , 2012, 22, 1163-1175.	3.1	53
2173	TGF $\hat{1}^2$ and BMP signaling in cardiac cushion formation: Lessons from mice and chicken. <i>Differentiation</i> , 2012, 84, 89-102.	1.0	70

#	ARTICLE	IF	CITATIONS
2174	Insulin Resistance and the Polycystic Ovary Syndrome Revisited: An Update on Mechanisms and Implications. <i>Endocrine Reviews</i> , 2012, 33, 981-1030.	8.9	1,301
2175	EGCG Inhibits Transforming Growth Factor- $\beta$ -Mediated Epithelial-to-Mesenchymal Transition via the Inhibition of Smad2 and Erk1/2 Signaling Pathways in Non-small Cell Lung Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9863-9873.	2.4	62
2176	Smad3 controls $\beta$ -glucuronosyltransferase 1 expression in rat nucleus pulposus cells: Implications of dysregulated expression in disc disease. <i>Arthritis and Rheumatism</i> , 2012, 64, 3324-3333.	6.7	12
2177	Transforming growth factor- $\beta$ 2 activates $\beta$ -Myc to promote palatal growth. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 3069-3085.	1.2	26
2178	Maternal Smad3 deficiency compromises decidualization in mice. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 3266-3275.	1.2	19
2179	Epithelial-mesenchymal crosstalk alteration in kidney fibrosis. <i>Journal of Pathology</i> , 2012, 228, 131-147.	2.1	47
2180	Directing Differentiation of Human Embryonic Stem Cells Toward Anterior Neural Ectoderm Using Small Molecules. <i>Stem Cells</i> , 2012, 30, 1875-1884.	1.4	61
2181	Inhibition by curcumin of multiple sites of the transforming growth factor-beta1 signalling pathway ameliorates the progression of liver fibrosis induced by carbon tetrachloride in rats. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 156.	3.7	100
2182	Ingredients of Huangqi decoction slow biliary fibrosis progression by inhibiting the activation of the transforming growth factor-beta signaling pathway. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 33.	3.7	38
2183	TGF- $\beta$ 2: an excellent servant but a bad master. <i>Journal of Translational Medicine</i> , 2012, 10, 183.	1.8	390
2184	Transforming growth factor $\beta$ 1 inhibits bone morphogenic protein (BMP)-2 and BMP-7 signaling via upregulation of Ski-related novel protein N (SnoN): possible mechanism for the failure of BMP therapy?. <i>BMC Medicine</i> , 2012, 10, 101.	2.3	60
2185	Comparative molecular developmental aspects of the mammalian- and the avian lungs, and the insectan tracheal system by branching morphogenesis: recent advances and future directions. <i>Frontiers in Zoology</i> , 2012, 9, 16.	0.9	13
2186	Role of stem/progenitor cells in reparative disorders. <i>Fibrogenesis and Tissue Repair</i> , 2012, 5, 20.	3.4	27
2187	Harnessing Growth Factors to Influence Wound Healing. <i>Clinics in Plastic Surgery</i> , 2012, 39, 239-248.	0.7	62
2188	Hepatic stem cells and transforming growth factor $\beta$ 2 in hepatocellular carcinoma. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012, 9, 530-538.	8.2	124
2189	Transforming Growth Factor- $\beta$ 2 and the Kidney Revisited: Introduction. <i>Seminars in Nephrology</i> , 2012, 32, 225-227.	0.6	2
2190	Differential Regulation of Smad3 and of the Type II Transforming Growth Factor- $\beta$ 2 Receptor in Mitosis: Implications for Signaling. <i>PLoS ONE</i> , 2012, 7, e43459.	1.1	19
2191	Biochemical role of the collagen-rich tumour microenvironment in pancreatic cancer progression. <i>Biochemical Journal</i> , 2012, 441, 541-552.	1.7	168



#	ARTICLE	IF	CITATIONS
2193	Reduction of transforming growth factor- $\beta$ 1 expression in leukemia and its possible role in leukemia development. <i>Leukemia and Lymphoma</i> , 2012, 53, 145-151.	0.6	13
2194	Association of the Porcine Transforming Growth Factor Beta Type I Receptor (TGFB1) Gene with Growth and Carcass Traits. <i>Animal Biotechnology</i> , 2012, 23, 43-63.	0.7	13
2195	Current Thoughts on the Therapeutic Potential of Stem Cell. <i>Methods in Molecular Biology</i> , 2012, 879, 3-26.	0.4	5
2196	Integrating developmental signals: a Hippo in the (path)way. <i>Oncogene</i> , 2012, 31, 1743-1756.	2.6	107
2197	MicroRNAs in Pathogenesis, Diagnosis, and Treatment of Gastroesophageal Cancers. <i>Gastroenterology</i> , 2012, 143, 35-47.e2.	0.6	167
2198	Pathological Features in the Lmna Mutant Mouse Provide a Novel Model of Human Otitis Media and Laminopathies. <i>American Journal of Pathology</i> , 2012, 181, 761-774.	1.9	20
2199	Myostatin facilitates slow and inhibits fast myosin heavy chain expression during myogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 83-88.	1.0	76
2200	Selenate inhibits adipogenesis through induction of transforming growth factor- $\beta$ 1 (TGF- $\beta$ 1) signaling. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 551-557.	1.0	35
2201	Synexpression group analyses identify new functions of FSTL3, a TGF $\beta$ 2 ligand inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 568-573.	1.0	11
2202	Fibroblast growth factor-2 promotes in vitro heart valve interstitial cell repair through the Akt1 pathway. <i>Cardiovascular Pathology</i> , 2012, 21, 382-389.	0.7	15
2203	Structural Basis for the Versatile Interactions of Smad7 with Regulator WW Domains in TGF- $\beta$ 2 Pathways. <i>Structure</i> , 2012, 20, 1726-1736.	1.6	93
2204	Signaling pathways regulating murine pancreatic development. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 663-672.	2.3	32
2205	Hairy tale of signaling in hair follicle development and cycling. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 906-916.	2.3	169
2206	TGF- $\beta$ 2-activated kinase-1: New insights into the mechanism of TGF- $\beta$ 2 signaling and kidney disease. <i>Kidney Research and Clinical Practice</i> , 2012, 31, 94-105.	0.9	68
2207	Structure of the Alk1 Extracellular Domain and Characterization of Its Bone Morphogenetic Protein (BMP) Binding Properties. <i>Biochemistry</i> , 2012, 51, 6328-6341.	1.2	35
2208	BMP9-regulated angiogenic signaling plays an important role in the osteogenic differentiation of mesenchymal progenitor cells. <i>Journal of Cell Science</i> , 2013, 126, 532-541.	1.2	109
2209	Transforming growth factor- $\beta$ 2 superfamily, implications in development and differentiation of stem cells. <i>Biomolecular Concepts</i> , 2012, 3, 429-445.	1.0	16
2210	The Cardiogenic Niche as a Fundamental Building Block of Engineered Myocardium. <i>Cells Tissues Organs</i> , 2012, 195, 82-93.	1.3	24

#	ARTICLE	IF	CITATIONS
2211	When versatility matters: activins/inhibins as key regulators of immunity. <i>Immunology and Cell Biology</i> , 2012, 90, 137-148.	1.0	73
2212	Role of the promyelocytic leukaemia protein in cell death regulation. <i>Cell Death and Disease</i> , 2012, 3, e247-e247.	2.7	34
2213	n-3 PUFAs as Modulators of Stem Cells in Prevention of Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2012, 8, 307-315.	1.0	0
2214	Working out mechanisms of controlled/physiologic inflammation in the GI tract. <i>Immunologic Research</i> , 2012, 54, 14-24.	1.3	17
2215	Predicting the impact of deleterious single point mutations in SMAD gene family using structural bioinformatics approach. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2012, 4, 103-115.	2.2	6
2216	Activation of canonical Wnt signalling is required for TGF- $\beta$ -mediated fibrosis. <i>Nature Communications</i> , 2012, 3, 735.	5.8	649
2217	Getting $\beta$ -Smad <sup>TM</sup> about obesity and diabetes. <i>Nutrition and Diabetes</i> , 2012, 2, e29-e29.	1.5	64
2218	Postnatal Bone Growth: Growth Plate Biology, Bone Formation, and Remodeling. , 2012, , 55-82.		5
2219	Regeneration of Digestive, Respiratory and Urinary Tissues. , 2012, , 99-126.		3
2220	An Ideal Preparation for Dermal Regeneration: Skin Renewal Growth Factors, the Growth Factor Composites from Porcine Platelets. <i>Rejuvenation Research</i> , 2012, 15, 613-623.	0.9	3
2221	The effect of genetic background and dose on non-targeted effects of radiation. <i>International Journal of Radiation Biology</i> , 2012, 88, 735-742.	1.0	13
2222	Effect on TGF-beta Signaling Pathway of the Total Flavonoids from Valeriana jatamansi Jones in Hepatocarcinoma 22-bearing Mice. , 2012, , .		1
2223	Stem Cells and Cancer Stem Cells, Volume 7. <i>Stem Cells and Cancer Stem Cells</i> , 2012, , .	0.1	0
2224	Neuroendocrine control of female reproductive function by the activin receptor ALK7. <i>FASEB Journal</i> , 2012, 26, 4966-4976.	0.2	28
2225	Regulation of Insect Development by TGF- $\beta$ Signaling. , 2012, , 450-479.		1
2226	Concordant repression and aberrant methylation of transforming growth factor-beta signaling pathway genes occurs early in gastric cardia adenocarcinoma. <i>Molecular Biology Reports</i> , 2012, 39, 9453-9462.	1.0	21
2227	Neuron $\beta$ -Astroglial Interactions in Cell-Fate Commitment and Maturation in the Central Nervous System. <i>Neurochemical Research</i> , 2012, 37, 2402-2418.	1.6	29
2229	An Overview of Regenerative Biology. , 2012, , 3-20.		5

#	ARTICLE	IF	CITATIONS
2231	CD109, a TGF- $\beta$ 2 co-receptor, attenuates extracellular matrix production in scleroderma skin fibroblasts. <i>Arthritis Research and Therapy</i> , 2012, 14, R144.	1.6	27
2232	miR-146a, an IL-1 $\beta$ responsive miRNA, induces vascular endothelial growth factor and chondrocyte apoptosis by targeting Smad4. <i>Arthritis Research and Therapy</i> , 2012, 14, R75.	1.6	139
2233	Cross-Talk and Information Transfer in Mammalian and Bacterial Signaling. <i>PLoS ONE</i> , 2012, 7, e34488.	1.1	8
2234	Ets-1 Is Essential for Connective Tissue Growth Factor (CTGF/CCN2) Induction by TGF- $\beta$ 1 in Osteoblasts. <i>PLoS ONE</i> , 2012, 7, e35258.	1.1	23
2235	R-Smad Competition Controls Activin Receptor Output in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e36548.	1.1	34
2236	Activation of the Canonical Bone Morphogenetic Protein (BMP) Pathway during Lung Morphogenesis and Adult Lung Tissue Repair. <i>PLoS ONE</i> , 2012, 7, e41460.	1.1	60
2237	Nanoparticle-Mediated Local Delivery of an Antisense TGF- $\beta$ 1 Construct Inhibits Intimal Hyperplasia in Autogenous Vein Grafts in Rats. <i>PLoS ONE</i> , 2012, 7, e41857.	1.1	23
2238	Serotonin Potentiates Transforming Growth Factor-beta3 Induced Biomechanical Remodeling in Avian Embryonic Atrioventricular Valves. <i>PLoS ONE</i> , 2012, 7, e42527.	1.1	20
2239	Hepcidin Regulation by BMP Signaling in Macrophages Is Lipopolysaccharide Dependent. <i>PLoS ONE</i> , 2012, 7, e44622.	1.1	31
2240	A Synthetic, Xeno-Free Peptide Surface for Expansion and Directed Differentiation of Human Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2012, 7, e50880.	1.1	79
2241	Molecular Characterization of TGF- $\beta$ 2 Type I Receptor Gene ( <i>Tgfbr1</i> ) in <i>Chlamys farreri</i> , and the Association of Allelic Variants with Growth Traits. <i>PLoS ONE</i> , 2012, 7, e51005.	1.1	28
2242	Differential Regulation of TGF- $\beta$ 2/Smad Signaling in Hepatic Stellate Cells between Acute and Chronic Liver Injuries. <i>Frontiers in Physiology</i> , 2012, 3, 53.	1.3	101
2243	The Dual Role of TGF $\beta$ 2 in Human Cancer: From Tumor Suppression to Cancer Metastasis. , 2012, 2012, 1-28.		275
2244	Missense Mutations in GDF-5 Signaling: Molecular Mechanisms Behind Skeletal Malformation. , 2012, , .		0
2245	Growth Factors in the Gastrointestinal Tract. , 2012, , 199-277.		1
2246	Seasonal Changes in Immunoreactivity of Activin Signaling Component Proteins in Wild Ground Squirrel Testes. <i>Journal of Reproduction and Development</i> , 2012, 58, 126-131.	0.5	11
2247	Mucosal Restitution and Repair. , 2012, , 1147-1168.		4
2248	Intelligent Data Analysis to Model and Understand Live Cell Time-lapse Sequences. <i>Methods of Information in Medicine</i> , 2012, 51, 332-340.	0.7	2

#	ARTICLE	IF	CITATIONS
2249	Liver Regeneration. , 2012, , 20-35.		0
2250	Signaling Pathways that Mediate Skeletal Muscle Hypertrophy: Effects of Exercise Training. , 0, , .		10
2251	Effect of Obesity on Circulating Adipokines and Their Expression in Omental Adipose Tissue of Female Bariatric Surgery Patients. , 0, , .		0
2252	5.2 Integrin function in heart fibrosis: mechanical strain, transforming growth factor-beta 1 activation, and collagen glycation. , 2012, , 406-431.		0
2253	Extraskeletal Bone Formation. , 2012, , 821-840.		0
2254	18Î±-Glycyrrhetic Acid Down-Regulates Expression of Type I and III Collagen via TGF-Î²1/Smad Signaling Pathway in Human and Rat Hepatic Stellate Cells. International Journal of Medical Sciences, 2012, 9, 370-379.	1.1	25
2255	Desferrioxamine Attenuates Doxorubicin-Induced Acute Cardiotoxicity through TFG-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="bold">Î²</mml:mi></mml:math>/Smad p53 Pathway in Rat Model. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-7.	1.9	193
2256	Global gene expression changes in human embryonic lung fibroblasts induced by organic extracts from respirable air particles. Particle and Fibre Toxicology, 2012, 9, 1.	2.8	76
2257	Normal morphogenesis of epithelial tissues and progression of epithelial tumors. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 51-78.	6.6	42
2258	Fibrodysplasia ossificans progressiva: a human genetic disorder of extraskeletal bone formation, orâ€”how does one tissue become another?. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 153-165.	5.9	33
2259	Mammalian MAPK Signal Transduction Pathways Activated by Stress and Inflammation: A 10-Year Update. Physiological Reviews, 2012, 92, 689-737.	13.1	1,122
2260	Propagation of Human Embryonic Stem Cells: Role of TGF Î²². , 2012, , 3-9.		0
2261	Alterations in the Smad pathway in human cancers. Frontiers in Bioscience - Landmark, 2012, 17, 1281.	3.0	74
2262	Epithelial Responses to Lung Injury. Proceedings of the American Thoracic Society, 2012, 9, 89-95.	3.5	27
2263	Functional interaction between mesenchymal stem cells and spiral ligament fibrocytes. Journal of Neuroscience Research, 2012, 90, 1713-1722.	1.3	14
2264	Regulation of articular chondrocyte aggrecan and collagen gene expression by multiple growth factor gene transfer. Journal of Orthopaedic Research, 2012, 30, 1026-1031.	1.2	42
2265	Dorsalâ€”ventral patterning of the neural tube: A tale of three signals. Developmental Neurobiology, 2012, 72, 1471-1481.	1.5	159
2266	Regulation of early xenopus embryogenesis by smad ubiquitination regulatory factor 2. Developmental Dynamics, 2012, 241, 1260-1273.	0.8	10

#	ARTICLE	IF	CITATIONS
2267	Bloodâ€‘brain barrier dysfunction, TGFÎ² signaling, and astrocyte dysfunction in epilepsy. <i>Glia</i> , 2012, 60, 1251-1257.	2.5	210
2268	TGFÎ² signaling through SMAD2/3 induces the quiescent microglial phenotype within the CNS environment. <i>Glia</i> , 2012, 60, 1160-1171.	2.5	103
2270	Positive regulation of osteoclastic differentiation by growth differentiation factor 15 upregulated in osteocytic cells under hypoxia. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 938-949.	3.1	69
2271	Growth hormone synergizes with BMP9 in osteogenic differentiation by activating the JAK/STAT/IGF1 pathway in murine multilineage cells. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1566-1575.	3.1	108
2272	TGFÎ²-inducible early gene1 ( <i>TIEG1</i> ) mutations in hypertrophic cardiomyopathy. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1896-1903.	1.2	24
2273	Ski inhibits TGFÎ²/phosphoSmad3 signaling and accelerates hypertrophic differentiation in chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2156-2166.	1.2	34
2274	From tall to short: The role of TGFÎ² signaling in growth and its disorders. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2012, 160C, 145-153.	0.7	74
2275	<i>TGFÎ²1</i> gene-engineered mesenchymal stem cells induce rat cartilage regeneration using nonviral gene vector. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 163-169.	1.4	28
2276	Multiple myeloma-related deregulation of bone marrow-derived CD34+ hematopoietic stem and progenitor cells. <i>Blood</i> , 2012, 120, 2620-2630.	0.6	82
2277	Ubiquitin removal in the TGFÎ² pathway. <i>Nature Cell Biology</i> , 2012, 14, 656-657.	4.6	37
2278	TGFÎ² signalling and its role in cancer progression and metastasis. <i>Cancer and Metastasis Reviews</i> , 2012, 31, 553-568.	2.7	367
2279	Medical Management of Uterine Fibroids. <i>Current Obstetrics and Gynecology Reports</i> , 2012, 1, 81-88.	0.3	1
2280	The connection between GRKs and various signaling pathways involved in diabetic nephropathy. <i>Molecular Biology Reports</i> , 2012, 39, 7717-7726.	1.0	3
2282	DLK1 Promotes Neurogenesis of Human and Mouse Pluripotent Stem Cell-Derived Neural Progenitors Via Modulating Notch and BMP Signalling. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 459-471.	5.6	42
2283	Impaired cutaneous wound healing in transforming growth factorÎ² inducible early gene1 knockout mice. <i>Wound Repair and Regeneration</i> , 2012, 20, 166-177.	1.5	17
2284	Compound Astragalus and Salvia miltiorrhiza extract inhibits cell proliferation, invasion and collagen synthesis in keloid fibroblasts by mediating transforming growth factor-Î²/Smad pathway. <i>British Journal of Dermatology</i> , 2012, 166, 564-574.	1.4	44
2285	Effects of platelet-rich and -poor plasma on the reparative response of gingival fibroblasts. <i>Clinical Oral Implants Research</i> , 2012, 23, 1104-1111.	1.9	28
2286	Regulation of TGFÎ² receptor trafficking and signaling by atypical protein kinase C. <i>Cellular Signalling</i> , 2012, 24, 119-130.	1.7	13

#	ARTICLE	IF	CITATIONS
2287	BMP2 signals loss of epithelial character in epicardial cells but requires the Type III TGF $\beta$ 2 receptor to promote invasion. Cellular Signalling, 2012, 24, 1012-1022.	1.7	40
2288	Oligomeric interactions of TGF $\beta$ 2 and BMP receptors. FEBS Letters, 2012, 586, 1885-1896.	1.3	74
2289	Smad-mediated regulation of microRNA biosynthesis. FEBS Letters, 2012, 586, 1906-1912.	1.3	110
2290	Cripto/GRP78 modulation of the TGF $\beta$ 2 pathway in development and oncogenesis. FEBS Letters, 2012, 586, 1836-1845.	1.3	76
2291	Two sides of the story? Smad4 loss in pancreatic cancer versus head and neck cancer. FEBS Letters, 2012, 586, 1984-1992.	1.3	54
2292	Phosphatases in SMAD regulation. FEBS Letters, 2012, 586, 1897-1905.	1.3	70
2293	SnoN signaling in proliferating cells and postmitotic neurons. FEBS Letters, 2012, 586, 1977-1983.	1.3	21
2294	SnoN in regulation of embryonic development and tissue morphogenesis. FEBS Letters, 2012, 586, 1971-1976.	1.3	14
2295	Dynamics of TGF $\beta$ 2/Smad signaling. FEBS Letters, 2012, 586, 1921-1928.	1.3	163
2296	Post-translational regulation of TGF $\beta$ 2 receptor and Smad signaling. FEBS Letters, 2012, 586, 1871-1884.	1.3	162
2297	Structural studies of the TGF $\beta$ 2s and their receptors – insights into evolution of the TGF $\beta$ 2 superfamily. FEBS Letters, 2012, 586, 1860-1870.	1.3	185
2298	Sulforaphane attenuates hepatic fibrosis via NF-E2-related factor 2-mediated inhibition of transforming growth factor- $\beta$ 2/Smad signaling. Free Radical Biology and Medicine, 2012, 52, 671-682.	1.3	125
2299	Comprehensive analysis of TGF- $\beta$ 2 and BMP receptor interactomes. European Journal of Cell Biology, 2012, 91, 287-293.	1.6	11
2300	Cold shock Y-box protein-1 participates in signaling circuits with auto-regulatory activities. European Journal of Cell Biology, 2012, 91, 464-471.	1.6	28
2301	Schisandrin B suppresses TGF $\beta$ 21 signaling by inhibiting Smad2/3 and MAPK pathways. Biochemical Pharmacology, 2012, 83, 378-384.	2.0	43
2302	Design, synthesis, and evaluation of novel 4-thiazolylimidazoles as inhibitors of transforming growth factor- $\beta$ 2 type I receptor kinase. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2024-2029.	1.0	12
2303	The profibrotic cytokine transforming growth factor $\beta$ 21 increases endothelial progenitor cell angiogenic properties. Journal of Thrombosis and Haemostasis, 2012, 10, 670-679.	1.9	36
2304	$\alpha$ V integrins and TGF $\beta$ 2-induced EMT: a circle of regulation. Journal of Cellular and Molecular Medicine, 2012, 16, 445-455.	1.6	127

#	ARTICLE	IF	CITATIONS
2305	Small molecule regulators of postnatal Nkx2.5 cardiomyoblast proliferation and differentiation. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 961-965.	1.6	24
2306	EMT as the ultimate survival mechanism of cancer cells. <i>Seminars in Cancer Biology</i> , 2012, 22, 194-207.	4.3	421
2307	MicroRNA-337 is associated with chondrogenesis through regulating TGFBR2 expression. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 593-602.	0.6	50
2308	Endocrine control of mucosal immunity in the female reproductive tract: Impact of environmental disruptors. <i>Molecular and Cellular Endocrinology</i> , 2012, 354, 85-93.	1.6	45
2309	Activins and inhibins in mammalian testis development: New models, new insights. <i>Molecular and Cellular Endocrinology</i> , 2012, 359, 66-77.	1.6	43
2310	Effect of human TGF- $\beta$ 2 on the gene expression profile of <i>Schistosoma mansoni</i> adult worms. <i>Molecular and Biochemical Parasitology</i> , 2012, 183, 132-139.	0.5	20
2311	The role of IL-7 in renal proximal tubule epithelial cells fibrosis. <i>Molecular Immunology</i> , 2012, 50, 74-82.	1.0	19
2312	Transforming growth factor (TGF)- $\beta$ 2 expression and activation mechanisms as potential targets for anti-tumor therapy and tumor imaging. , 2012, 135, 123-132.		35
2313	SMAD4 is essential for generating subtypes of neurons during cerebellar development. <i>Developmental Biology</i> , 2012, 365, 82-90.	0.9	25
2314	Cadherin-6B stimulates an epithelial mesenchymal transition and the delamination of cells from the neural ectoderm via LIMK/cofilin mediated non-canonical BMP receptor signaling. <i>Developmental Biology</i> , 2012, 366, 232-243.	0.9	29
2315	Direct inhibition of the transforming growth factor- $\beta$ 2 pathway by protein- $\alpha$ 2 bound polysaccharide through inactivation of Smad2 signaling. <i>Cancer Science</i> , 2012, 103, 317-324.	1.7	22
2316	Cell biology of Smad2/3 linker region phosphorylation in vascular smooth muscle. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 661-667.	0.9	31
2317	Main components of gene network controlling development of dorsal appendages of egg chorion in <i>Drosophila melanogaster</i> . <i>Russian Journal of Developmental Biology</i> , 2012, 43, 137-147.	0.1	1
2318	Aberrant signaling pathways in pancreatic cancer: A two compartment view. <i>Molecular Carcinogenesis</i> , 2012, 51, 25-39.	1.3	52
2319	BMP signaling pathway and spinal cord development. <i>Frontiers in Biology</i> , 2012, 7, 24-29.	0.7	4
2320	Upregulated INHBA expression is associated with poor survival in gastric cancer. <i>Medical Oncology</i> , 2012, 29, 77-83.	1.2	212
2321	A20 and ABIN-3 possibly promote regression of trehalose 6,6'-dimycolate (TDM)-induced granuloma by interacting with an NF-kappa B signaling protein, TAK-1. <i>Inflammation Research</i> , 2012, 61, 245-253.	1.6	7
2322	Association of polymorphisms in transforming growth factor- $\beta$ 2 receptors with susceptibility to gastric cardia adenocarcinoma. <i>Molecular Biology Reports</i> , 2012, 39, 4301-4309.	1.0	9

#	ARTICLE	IF	CITATIONS
2323	Ascochlorin suppresses TGF- $\beta$ 1-induced PAI-1 expression through the inhibition of phospho-EGFR in rat kidney fibroblast cells. <i>Molecular Biology Reports</i> , 2012, 39, 4597-4603.	1.0	8
2324	TGF- $\beta$ 2 superfamily: how does it regulate testis development. <i>Molecular Biology Reports</i> , 2012, 39, 4727-4741.	1.0	35
2325	Smad phosphoisoform signals in acute and chronic liver injury: similarities and differences between epithelial and mesenchymal cells. <i>Cell and Tissue Research</i> , 2012, 347, 225-243.	1.5	74
2326	TGF- $\beta$ 2 signal transduction spreading to a wider field: a broad variety of mechanisms for context-dependent effects of TGF- $\beta$ 2. <i>Cell and Tissue Research</i> , 2012, 347, 37-49.	1.5	88
2327	Role of Smads in TGF $\beta$ 2 signaling. <i>Cell and Tissue Research</i> , 2012, 347, 21-36.	1.5	291
2328	Deconstructing the mechanisms and consequences of TGF- $\beta$ 2-induced EMT during cancer progression. <i>Cell and Tissue Research</i> , 2012, 347, 85-101.	1.5	202
2329	Vascular damage in the central nervous system: a multifaceted role for vascular-derived TGF- $\beta$ 2. <i>Cell and Tissue Research</i> , 2012, 347, 187-201.	1.5	18
2330	Alterations of Smad expression and activation in defining 2 subtypes of human head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2013, 35, 76-85.	0.9	34
2331	ZEB/miR-200 feedback loop: At the crossroads of signal transduction in cancer. <i>International Journal of Cancer</i> , 2013, 132, 745-754.	2.3	227
2332	TGF-beta specifically enhances the metastatic attributes of murine lung adenocarcinoma: implications for human non-small cell lung cancer. <i>Clinical and Experimental Metastasis</i> , 2013, 30, 993-1007.	1.7	26
2333	Main types of respiratory system structure of eggshells in insects and genes participating in their development. <i>Biology Bulletin Reviews</i> , 2013, 3, 98-107.	0.3	1
2334	The Transcription Factor FOXM1 (Forkhead box M1). <i>Advances in Cancer Research</i> , 2013, 118, 97-398.	1.9	135
2335	The multiple activities of BMPs during spinal cord development. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4293-4305.	2.4	41
2336	TGF- $\beta$ 2 promotes RPE cell invasion into a collagen gel by mediating urokinase-type plasminogen activator (uPA) expression. <i>Experimental Eye Research</i> , 2013, 115, 13-21.	1.2	25
2337	$\beta$ 1,6-Fucosylation regulates neurite formation via the activin/phospho-Smad2 pathway in PC12 cells: the implicated dual effects of Fut8 for TGF- $\beta$ 2/activin-mediated signaling. <i>FASEB Journal</i> , 2013, 27, 3947-3958.	0.2	35
2338	BMP-Smad 1/5/8 signalling in the development of the nervous system. <i>Progress in Neurobiology</i> , 2013, 109, 28-41.	2.8	137
2339	TGF $\beta$ 1 evokes myoblast apoptotic response via a novel signaling pathway involving S1P <sub>4</sub> transactivation upstream of Rho-kinase activation. <i>FASEB Journal</i> , 2013, 27, 4532-4546.	0.2	41
2340	Resistance to Aerobic Exercise Training Causes Metabolic Dysfunction and Reveals Novel Exercise-Regulated Signaling Networks. <i>Diabetes</i> , 2013, 62, 2717-2727.	0.3	68



#	ARTICLE	IF	CITATIONS
2341	A Hybrid Model of Tumor–Stromal Interactions in Breast Cancer. <i>Bulletin of Mathematical Biology</i> , 2013, 75, 1304-1350.	0.9	62
2342	Molecular and cellular mechanisms of bone morphogenetic proteins and activins in the skin: potential benefits for wound healing. <i>Archives of Dermatological Research</i> , 2013, 305, 557-569.	1.1	33
2343	Mechanical Induction of BMP-7 in Osteocyte Blocks Glucocorticoid-Induced Apoptosis Through PI3K/AKT/GSK3 $\beta$ Pathway. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 567-574.	0.9	18
2344	A Virtual Culture of CD4+ T Lymphocytes. <i>Bulletin of Mathematical Biology</i> , 2013, 75, 1012-1029.	0.9	24
2345	Heritable and Idiopathic Forms of Pulmonary Arterial Hypertension. , 2013, , 1-20.		0
2346	Induction of chondrogenic differentiation in mesenchymal stem cells by TGF-beta cross-linked to collagen-PLLA [poly(L-lactic acid)] scaffold by transglutaminase 2. <i>Biotechnology Letters</i> , 2013, 35, 2193-2199.	1.1	18
2347	All-trans retinoic acid and basic fibroblast growth factor synergistically direct pluripotent human embryonic stem cells to extraembryonic lineages. <i>Stem Cell Research</i> , 2013, 10, 228-240.	0.3	15
2348	Gene Regulation. <i>Methods in Molecular Biology</i> , 2013, , .	0.4	1
2349	Unchaining the beast; insights from structural and evolutionary studies on TGF $\beta$ 2 secretion, sequestration, and activation. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 355-372.	3.2	99
2350	Next Generation Sequencing in Cancer Research. , 2013, , .		5
2351	Type II TGF $\beta$ 2 receptor modulates chondrocyte phenotype. <i>Age</i> , 2013, 35, 1105-1116.	3.0	25
2352	Successful Use of Platelet-Rich Plasma for Chronic Plantar Fasciitis. <i>HSS Journal</i> , 2013, 9, 129-133.	0.7	33
2353	The neogenin/DCC homolog UNC-40 promotes BMP signaling via the RGM protein DRAG-1 in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2013, 140, 4070-4080.	1.2	28
2355	Connective Tissue Growth Factor Regulates Interneuron Survival and Information Processing in the Olfactory Bulb. <i>Neuron</i> , 2013, 79, 1136-1151.	3.8	65
2356	Repulsive guidance molecules (RGMs) and neogenin in bone morphogenetic protein (BMP) signaling. <i>Molecular Reproduction and Development</i> , 2013, 80, 700-717.	1.0	29
2357	Regular exercise training attenuates pulmonary inflammatory responses to inhaled alumina refinery dust in mice. <i>Respiratory Physiology and Neurobiology</i> , 2013, 186, 53-60.	0.7	3
2358	Tumor Microenvironmental Signaling Elicits Epithelial-Mesenchymal Plasticity through Cooperation with Transforming Genetic Events. <i>Neoplasia</i> , 2013, 15, 1100-1109.	2.3	30
2359	MTA1-mediated transcriptional repression of SMAD7 in breast cancer cell lines. <i>European Journal of Cancer</i> , 2013, 49, 492-499.	1.3	28

#	ARTICLE	IF	CITATIONS
2360	A functional genomic approach reveals the transcriptional role of EDD in the expression and function of angiogenesis regulator ACVRL1. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 1309-1319.	0.9	10
2361	Regulation of neuropeptide Y Y1 receptor expression by bone morphogenetic protein 2 in C2C12 myoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 506-510.	1.0	8
2362	The unique activity of bone morphogenetic proteins in bone: a critical role of the Smad signaling pathway. <i>Biological Chemistry</i> , 2013, 394, 703-714.	1.2	56
2363	Inhibitor of differentiation 1 (Id1) and Id3 proteins play different roles in TGF $\beta$ 2 effects on cell proliferation and migration in prostate cancer cells. <i>Prostate</i> , 2013, 73, 624-633.	1.2	28
2364	Cytokine dysregulation in autism spectrum disorders (ASD): Possible role of the environment. <i>Neurotoxicology and Teratology</i> , 2013, 36, 67-81.	1.2	240
2365	Regulation of mesenchymal stem cell chondrogenesis by glucose through protein kinase C/transforming growth factor signaling. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 368-376.	0.6	39
2366	Differential responses to docosahexaenoic acid in primary and immortalized cardiac cells. <i>Toxicology Letters</i> , 2013, 219, 288-297.	0.4	13
2367	Tumors as Organs: Biologically Augmenting Radiation Therapy by Inhibiting Transforming Growth Factor $\beta$ 2 Activity in Carcinomas. <i>Seminars in Radiation Oncology</i> , 2013, 23, 242-251.	1.0	36
2368	Smad6 inhibits non-canonical TGF- $\beta$ 1 signalling by recruiting the deubiquitinase A20 to TRAF6. <i>Nature Communications</i> , 2013, 4, 2562.	5.8	90
2369	Postnatal Ablation of Osteoblast <i>Smad4</i> Enhances Proliferative Responses to Canonical Wnt Signaling via Interactions with $\beta$ -catenin. <i>Journal of Cell Science</i> , 2013, 126, 5598-609.	1.2	23
2370	The roles of TGF $\beta$ 2 in the tumour microenvironment. <i>Nature Reviews Cancer</i> , 2013, 13, 788-799.	12.8	771
2371	Hypoxia influences stem cell-like properties in multidrug resistant K562 leukemic cells. <i>Blood Cells, Molecules, and Diseases</i> , 2013, 51, 177-184.	0.6	21
2372	Smad signaling pathways regulate pancreatic endocrine development. <i>Developmental Biology</i> , 2013, 378, 83-93.	0.9	32
2373	SnoN facilitates ALK1-mediated Smad1/5 signaling during embryonic angiogenesis. <i>Journal of Cell Biology</i> , 2013, 202, 937-950.	2.3	16
2374	Enter the matrix: shape, signal and superhighway. <i>FEBS Journal</i> , 2013, 280, 4089-4099.	2.2	29
2375	Glucosamine hydrochloride exerts a protective effect against unilateral ureteral obstruction-induced renal fibrosis by attenuating TGF- $\beta$ 2 signaling. <i>Journal of Molecular Medicine</i> , 2013, 91, 1273-1284.	1.7	28
2376	Influence of Activin A Supplementation During Human Embryonic Stem Cell Derivation on Germ Cell Differentiation Potential. <i>Stem Cells and Development</i> , 2013, 22, 3141-3155.	1.1	23
2377	Matrix-Producing Cells in Chronic Kidney Disease: Origin, Regulation, and Activation. <i>Current Pathobiology Reports</i> , 2013, 1, 301-311.	1.6	49

#	ARTICLE	IF	CITATIONS
2378	Fibroblasts in post-infarction inflammation and cardiac repair. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 945-953.	1.9	227
2379	What do mechanotransduction, Hippo, Wnt, and TGF $\beta$ 2 have in common? YAP and TAZ as key orchestrating molecules in ocular health and disease. <i>Experimental Eye Research</i> , 2013, 115, 1-12.	1.2	54
2380	Partial loss of Smad signaling during in vitro progression of HPV16-immortalized human keratinocytes. <i>BMC Cancer</i> , 2013, 13, 424.	1.1	9
2381	Cyclin D1 cooperates with p21 to regulate TGF $\beta$ 2-mediated breast cancer cell migration and tumor local invasion. <i>Breast Cancer Research</i> , 2013, 15, R49.	2.2	92
2382	Transforming growth factor- $\beta$ 2 signalling: Role and consequences of Smad linker region phosphorylation. <i>Cellular Signalling</i> , 2013, 25, 2017-2024.	1.7	216
2383	Cancer omics: From regulatory networks to clinical outcomes. <i>Cancer Letters</i> , 2013, 340, 277-283.	3.2	10
2384	Role of Interleukin-10 in Endochondral Bone Formation in Mice: Anabolic Effect via the Bone Morphogenetic Protein/Smad Pathway. <i>Arthritis and Rheumatism</i> , 2013, 65, 3153-3164.	6.7	45
2385	Activins bind and signal via bone morphogenetic protein receptor type II (BMPR2) in immortalized gonadotrope-like cells. <i>Cellular Signalling</i> , 2013, 25, 2717-2726.	1.7	30
2386	Activation of Aryl Hydrocarbon Receptor (AhR) by Tranilast, an Anti-allergy Drug, Promotes miR-302 Expression and Cell Reprogramming. <i>Journal of Biological Chemistry</i> , 2013, 288, 22972-22984.	1.6	37
2387	Feline Glycoprotein A Repeats Predominant Anchors Transforming Growth Factor Beta on the Surface of Activated CD4+CD25+Regulatory T Cells and Mediates AIDS Lentivirus-Induced T Cell Immunodeficiency. <i>AIDS Research and Human Retroviruses</i> , 2013, 29, 641-651.	0.5	14
2388	Critical Role of Transforming Growth Factor Beta in Different Phases of Wound Healing. <i>Advances in Wound Care</i> , 2013, 2, 215-224.	2.6	415
2389	Conditional expression of the dominant-negative TGF $\beta$ 2 receptor type II elicits lingual epithelial hyperplasia in transgenic mice. <i>Developmental Dynamics</i> , 2013, 242, 444-455.	0.8	4
2390	Dynamics of Transforming Growth Factor Beta Signaling in Wound Healing and Scarring. <i>Advances in Wound Care</i> , 2013, 2, 195-214.	2.6	222
2391	Differential Morphology and Homogeneity of Tissue-Engineered Cartilage in Hydrodynamic Cultivation with Transient Exposure to Insulin-Like Growth Factor-1 and Transforming Growth Factor- $\beta$ 1. <i>Tissue Engineering - Part A</i> , 2013, 19, 2349-2360.	1.6	14
2392	An Overview of Intervertebral Disc Degeneration Therapies and an Evaluation of the Chondrogenic and Chemotactic Potential of CDMP-2. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 2013, 18, 97-118.	0.7	0
2393	Transforming Growth Factor- $\beta$ 3 (TGF- $\beta$ 3) Knock-in Ameliorates Inflammation Due to TGF- $\beta$ 1 Deficiency While Promoting Glucose Tolerance. <i>Journal of Biological Chemistry</i> , 2013, 288, 32074-32092.	1.6	41
2394	Mouse Primed Embryonic Stem Cells Could Be Maintained and Reprogrammed on Human Amnion Epithelial Cells. <i>Stem Cells and Development</i> , 2013, 22, 320-329.	1.1	10
2395	Transforming Growth Factor $\beta$ 2 Integrates Smad 3 to Mechanistic Target of Rapamycin Complexes to Arrest Deptor Abundance for Glomerular Mesangial Cell Hypertrophy. <i>Journal of Biological Chemistry</i> , 2013, 288, 7756-7768.	1.6	31

#	ARTICLE	IF	CITATIONS
2396	Î²arrestin2 interacts with TÎ²RII to regulate Smad-dependent and Smad-independent signal transduction. Cellular Signalling, 2013, 25, 319-331.	1.7	14
2397	The role of transforming growth factor Î² in glaucoma and the therapeutic implications. British Journal of Ophthalmology, 2013, 97, 680-686.	2.1	107
2398	Renoprotective mechanisms of telmisartan on renal injury and inflammation in SHRSP.Z-Leprfa/lzmDmcr rats. Clinical and Experimental Nephrology, 2013, 17, 515-524.	0.7	12
2399	Placental trophoblast cell differentiation: Physiological regulation and pathological relevance to preeclampsia. Molecular Aspects of Medicine, 2013, 34, 981-1023.	2.7	306
2400	Regulation and Role of Connective Tissue Growth Factor in AngII-Induced Myocardial Fibrosis. American Journal of Pathology, 2013, 182, 714-726.	1.9	51
2401	Inhibition of Breast Cancer Metastases by a Novel Inhibitor of TGFÎ² Receptor 1. Journal of the National Cancer Institute, 2013, 105, 47-58.	3.0	83
2402	Functions of BMP signaling in embryonic stem cell fate determination. Experimental Cell Research, 2013, 319, 113-119.	1.2	29
2403	Controlled delivery of heparin-binding EGF-like growth factor yields fast and comprehensive wound healing. Journal of Controlled Release, 2013, 166, 124-129.	4.8	136
2404	Retention in the endoplasmic reticulum is the underlying mechanism of some hereditary haemorrhagic telangiectasia type 2 ALK1 missense mutations. Molecular and Cellular Biochemistry, 2013, 373, 247-257.	1.4	18
2405	Attenuating effect of Fufang Xueshuantong Capsule on kidney function in diabetic nephropathy model. Journal of Natural Medicines, 2013, 67, 86-97.	1.1	14
2406	The role of inflammation in epileptogenesis. Neuropharmacology, 2013, 69, 16-24.	2.0	393
2407	Transforming Growth Factor-Î² Directly Induces p53-up-regulated Modulator of Apoptosis (PUMA) during the Rapid Induction of Apoptosis in Myc-driven B-cell Lymphomas. Journal of Biological Chemistry, 2013, 288, 5198-5209.	1.6	31
2408	Differential Phosphorylation of Smad1 Integrates BMP and Neurotrophin Pathways through Erk/Dusp in Axon Development. Cell Reports, 2013, 3, 1592-1606.	2.9	39
2409	The Kinase PKCÎ± Selectively Upregulates Interleukin-17A during Th17 Cell Immune Responses. Immunity, 2013, 38, 41-52.	6.6	36
2410	Direct activation of a mouse Hoxd11 axial expression enhancer by Gdf11/Smad signalling. Developmental Biology, 2013, 383, 52-60.	0.9	32
2411	Gremlin utilizes canonical and non-canonical TGFÎ² signaling to induce lysyl oxidase (LOX) genes in human trabecular meshwork cells. Experimental Eye Research, 2013, 113, 117-127.	1.2	29
2412	Transforming Growth Factor-Î²1 Inhibits Trophoblast Cell Invasion by Inducing Snail-mediated Down-regulation of Vascular Endothelial-cadherin Protein. Journal of Biological Chemistry, 2013, 288, 33181-33192.	1.6	102
2413	FK506-binding protein 12 ligands: a patent review. Expert Opinion on Therapeutic Patents, 2013, 23, 1435-1449.	2.4	22

#	ARTICLE	IF	CITATIONS
2414	Molecular Mechanisms Regulating Ocular Apoptosis in Zebrafishgdf6aMutants. , 2013, 54, 5871.		12
2415	Major signaling pathways in intestinal stem cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2410-2426.	1.1	53
2416	Differential vulnerability of adult neurogenesis by adult and prenatal inflammation: Role of TGF- $\beta$ 1. Brain, Behavior, and Immunity, 2013, 34, 17-28.	2.0	41
2417	ERK5 Inhibition Ameliorates Pulmonary Fibrosis via Regulating Smad3 Acetylation. American Journal of Pathology, 2013, 183, 1758-1768.	1.9	35
2418	Transforming growth factor- $\beta$ 2 and abdominal aortic aneurysms. Cardiovascular Pathology, 2013, 22, 126-132.	0.7	41
2419	Cyclical strain modulates metalloprotease and matrix gene expression in human tenocytes via activation of TGF $\beta$ 2. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2596-2607.	1.9	50
2420	Transforming growth factor- $\beta$ 2 transiently induces vimentin expression and invasive capacity in a canine mammary gland tumor cell line. Research in Veterinary Science, 2013, 94, 539-541.	0.9	12
2421	Inhibition of PARP prevents angiotensin II-induced aortic fibrosis in rats. International Journal of Cardiology, 2013, 167, 2285-2293.	0.8	27
2422	Serum regulation of Id1 expression by a BMP pathway and BMP responsive element. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 1147-1159.	0.9	21
2423	TGF- $\beta$ 2-induced expression of IGFBP-3 regulates IGF1R signaling in human osteosarcoma cells. Molecular and Cellular Endocrinology, 2013, 377, 56-64.	1.6	32
2424	The regulation of gene expression involved in TGF- $\beta$ 2 signaling by ZNF804A, a risk gene for schizophrenia. Schizophrenia Research, 2013, 146, 273-278.	1.1	30
2425	Immunolocalization of Smad-4 in developing molar roots of alendronate-treated rats. Archives of Oral Biology, 2013, 58, 1744-1750.	0.8	5
2426	The effect of TLR4/7 on the TGF- $\beta$ 2-induced Smad signal transduction pathway in human keloid. Burns, 2013, 39, 465-472.	1.1	28
2427	p130Cas controls the susceptibility of cancer cells to TGF- $\beta$ 2-induced growth inhibition. Biochemical and Biophysical Research Communications, 2013, 438, 116-121.	1.0	4
2428	Zinc Transporter 7 Induced by High Glucose Attenuates Epithelial-to-Mesenchymal Transition of Peritoneal Mesothelial Cells. Biological Trace Element Research, 2013, 151, 138-147.	1.9	4
2429	Atrogin-1, MuRF-1, and sarcopenia. Endocrine, 2013, 43, 12-21.	1.1	258
2430	TGF- $\beta$ 2 family signaling in stem cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2280-2296.	1.1	134
2431	Chromatin Assembly and In Vitro Transcription Analyses for Evaluation of Individual Protein Activities in Multicomponent Transcriptional Complexes. Methods in Molecular Biology, 2013, 977, 193-202.	0.4	0

#	ARTICLE	IF	CITATIONS
2432	Hepatocellular Carcinoma Biology. Recent Results in Cancer Research, 2013, 190, 1-20.	1.8	47
2433	TGF Beta Signaling and Its Role in Glioma Pathogenesis. Advances in Experimental Medicine and Biology, 2013, 986, 171-187.	0.8	113
2434	TGF- $\beta$ 1 and hypoxia-dependent expression of MKP-1 leads tumor resistance to death receptor-mediated cell death. Cell Death and Disease, 2013, 4, e521-e521.	2.7	15
2435	TGF- $\beta$ 2 signaling and epithelial-mesenchymal transition in cancer progression. Current Opinion in Oncology, 2013, 25, 76-84.	1.1	698
2436	The Molecular Circuitry Underlying Pluripotency in Embryonic Stem Cells and iPS Cells. , 2013, , 29-35.		0
2437	Developmental Mechanisms of Regeneration. , 2013, , 155-178.		0
2438	The TGF $\beta$ 2 superfamily in stem cell biology and early mammalian embryonic development. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2268-2279.	1.1	64
2439	Gdf6 induces commitment of pluripotent mesenchymal C3H10T1/2 cells to the adipocyte lineage. FEBS Journal, 2013, 280, 2644-2651.	2.2	17
2440	TGF-beta-1 up-regulates extra-cellular matrix production in mouse hepatoblasts. Mechanisms of Development, 2013, 130, 195-206.	1.7	30
2441	Waking up the sleepers: shared transcriptional pathways in axonal regeneration and neurogenesis. Cellular and Molecular Life Sciences, 2013, 70, 993-1007.	2.4	18
2442	Knockdown of prolyl-4-hydroxylase domain 2 inhibits tumor growth of human breast cancer MDA-MB-231 cells by affecting TGF- $\beta$ 1 processing. International Journal of Cancer, 2013, 132, 2787-2798.	2.3	24
2443	Differential response of epithelial stem cell populations in hair follicles to TGF- $\beta$ 2 signaling. Developmental Biology, 2013, 373, 394-406.	0.9	24
2444	Anoxia/reoxygenation induces epithelial-mesenchymal transition in human colon cancer cell lines. Oncology Reports, 2013, 29, 2311-2317.	1.2	9
2445	Strategies for anti-fibrotic therapies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1088-1103.	1.8	146
2446	Beyond TGF $\beta$ 2: roles of other TGF $\beta$ 2 superfamily members in cancer. Nature Reviews Cancer, 2013, 13, 328-341.	12.8	352
2447	Transdermal siRNA-TGF $\beta$ 1-337 patch for hypertrophic scar treatment. Matrix Biology, 2013, 32, 265-276.	1.5	30
2448	The pathogenesis of diabetic nephropathy: focus on microRNAs and proteomics. Journal of Nephrology, 2013, 26, 811-820.	0.9	39
2449	Activin, neutrophils, and inflammation: just coincidence?. Seminars in Immunopathology, 2013, 35, 481-499.	2.8	42

#	ARTICLE	IF	CITATIONS
2450	The type 2 anti- $\text{IgE}$ receptor has splice variants that are dominant negative inhibitors. <i>FEBS Letters</i> , 2013, 587, 1749-1753.	1.3	19
2451	Mammalian Iron Homeostasis in Health and Disease: Uptake, Storage, Transport, and Molecular Mechanisms of Action. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2473-2507.	2.5	172
2452	Exposure to transforming growth factor- $\beta$ 1 after basic fibroblast growth factor promotes the fibroblastic differentiation of human periodontal ligament stem/progenitor cell lines. <i>Cell and Tissue Research</i> , 2013, 352, 249-263.	1.5	36
2453	Regulation of miRNA biogenesis as an integrated component of growth factor signaling. <i>Current Opinion in Cell Biology</i> , 2013, 25, 233-240.	2.6	62
2454	The Role of Endocytic Pathways in TGF- $\beta$ 2 Signaling. <i>Pathology and Oncology Research</i> , 2013, 19, 141-148.	0.9	35
2455	Arsenic trioxide induces cardiac fibroblast apoptosis in vitro and in vivo by up-regulating TGF- $\beta$ 1 expression. <i>Toxicology Letters</i> , 2013, 219, 223-230.	0.4	29
2456	Artificial extracellular matrix composed of collagen I and highly sulfated hyaluronan interferes with TGF- $\beta$ 1 signaling and prevents TGF- $\beta$ 1-induced myofibroblast differentiation. <i>Acta Biomaterialia</i> , 2013, 9, 7775-7786.	4.1	49
2457	The Role of Smad Proteins for Development, Differentiation and Dedifferentiation of Neurons. , 0, , .		7
2458	Downregulation of type I collagen expression in silibinin-treated human skin fibroblasts by blocking the activation of Smad2/3-dependent signaling pathways: Potential therapeutic use in the chemoprevention of keloids. <i>International Journal of Molecular Medicine</i> , 2013, 31, 1148-1152.	1.8	35
2459	Connective tissue growth factor (CCN2) in blood vessels. <i>Vascular Pharmacology</i> , 2013, 58, 189-193.	1.0	36
2460	Smad7 antisense oligonucleotide-based therapy for inflammatory bowel diseases. <i>Digestive and Liver Disease</i> , 2013, 45, 552-555.	0.4	14
2461	Plum, an Immunoglobulin Superfamily Protein, Regulates Axon Pruning by Facilitating TGF- $\beta$ 2 Signaling. <i>Neuron</i> , 2013, 78, 456-468.	3.8	61
2462	Identification of novel small molecule TGF- $\beta$ 2 antagonists using structure-based drug design. <i>Journal of Computer-Aided Molecular Design</i> , 2013, 27, 365-372.	1.3	7
2463	Targeting TGF- $\beta$ 2 signaling in cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 743-760.	1.5	183
2464	Tumor-Localized Insult Delivered by Photodynamic Therapy and the Breakdown of Tumor Immunotolerance. , 2013, , 121-132.		4
2465	Activin A in Diabetes-Induced Cardiac Malformations in Embryos. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2013, 98, 260-267.	1.4	2
2466	Non-Hodgkin's B-cell lymphoma: Advances in molecular strategies targeting drug resistance. <i>Experimental Biology and Medicine</i> , 2013, 238, 971-990.	1.1	52
2467	TGF- $\beta$ 1, Smad2, Smad1/5/8, and Smad4 signaling factors are expressed in ameloblastomas, adenomatoid odontogenic tumors, and calcifying cystic odontogenic tumors: an immunohistochemical study. <i>Journal of Oral Pathology and Medicine</i> , 2013, 42, 415-423.	1.4	28

#	ARTICLE	IF	CITATIONS
2468	Cloning and characterization of a bone morphogenetic protein homologue of <i>Schistosoma japonicum</i> . <i>Experimental Parasitology</i> , 2013, 135, 64-71.	0.5	26
2469	Crkl Efficiently Mediates Cell Proliferation, Migration, and Invasion Induced by TGF- $\beta$ 2 Pathway in Glioblastoma. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 1046-1051.	1.1	27
2470	Associations between genetic variants in the TGF- $\beta$ 2 signaling pathway and breast cancer risk among Hispanic and non-Hispanic white women. <i>Breast Cancer Research and Treatment</i> , 2013, 141, 287-297.	1.1	10
2471	Regulation of follistatin-like protein 1 expression and secretion in primary human skeletal muscle cells. <i>Archives of Physiology and Biochemistry</i> , 2013, 119, 75-80.	1.0	88
2472	Coffee attenuates fibrosis by decreasing the expression of TGF- $\beta$ 2 and CTGF in a murine model of liver damage. <i>Journal of Applied Toxicology</i> , 2013, 33, 970-979.	1.4	75
2473	Maohuoside A Acts in a BMP-Dependent Manner during Osteogenesis. <i>Phytotherapy Research</i> , 2013, 27, 1179-1184.	2.8	11
2474	Kidney transplantation: analysis of the expression and T cell-mediated activation of latent TGF- $\beta$ 2. <i>Journal of Leukocyte Biology</i> , 2013, 93, 471-478.	1.5	8
2475	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF- $\beta$ 2 signaling. <i>Kidney International</i> , 2013, 84, 297-307.	2.6	104
2476	Peritoneal fibrosis is mouse strain dependent. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 1966-1969.	0.4	1
2477	Modulation of $\beta$ 2-Cell Fate and Function by TGF- $\beta$ 2 Ligands: A Superfamily With Many Powers. <i>Endocrinology</i> , 2013, 154, 3965-3969.	1.4	4
2478	Potential of targeting TGF- $\beta$ 2 for organ transplant patients. <i>Future Medicinal Chemistry</i> , 2013, 5, 281-289.	1.1	11
2479	Transforming growth factor $\beta$ 2 is not a reliable biomarker for valvular fibrosis but could be a potential serum marker for invasiveness of prolactinomas (pilot study). <i>European Journal of Endocrinology</i> , 2013, 169, 299-306.	1.9	6
2480	Differential regulation of the REG1 proteasome pathway by p53/TGF- $\beta$ 2 signalling and mutant p53 in cancer cells. <i>Nature Communications</i> , 2013, 4, 2667.	5.8	90
2481	Transdifferentiation of alveolar epithelial type II to type I cells is controlled by opposing TGF- $\beta$ 2 and BMP signaling. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 305, L409-L418.	1.3	83
2482	Chronic Heart Failure Is Associated With Transforming Growth Factor Beta-Dependent Yield and Functional Decline in Atrial Explant-Derived c-Kit+ Cells. <i>Journal of the American Heart Association</i> , 2013, 2, e000317.	1.6	13
2483	Involvement of p300/CBP and epigenetic histone acetylation in TGF- $\beta$ 2-mediated gene transcription in mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F601-F613.	1.3	122
2484	Dissecting Major Signaling Pathways throughout the Development of Prostate Cancer. <i>Prostate Cancer</i> , 2013, 2013, 1-23.	0.4	48
2485	Rnf165/Ark2C Enhances BMP-Smad Signaling to Mediate Motor Axon Extension. <i>PLoS Biology</i> , 2013, 11, e1001538.	2.6	27



#	ARTICLE	IF	CITATIONS
2486	Combinatory Microarray and SuperSAGE Analyses Identify Pairing-Dependently Transcribed Genes in <i>Schistosoma mansoni</i> Males, Including Follistatin. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2532.	1.3	40
2487	Bmp signaling represses <i>Vegfa</i> to promote outflow tract cushion development. <i>Development (Cambridge)</i> , 2013, 140, 3395-3402.	1.2	48
2488	CTGF Mediates Smad-Dependent Transforming Growth Factor $\beta$ 2 Signaling To Regulate Mesenchymal Cell Proliferation during Palate Development. <i>Molecular and Cellular Biology</i> , 2013, 33, 3482-3493.	1.1	58
2489	The Zinc Finger Transcription Factor <i>Ovol2</i> Acts Downstream of the Bone Morphogenetic Protein Pathway to Regulate the Cell Fate Decision between Neuroectoderm and Mesendoderm*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6166-6177.	1.6	28
2490	Computational modelling of Smad-mediated negative feedback and crosstalk in the TGF- $\beta$ 2 superfamily network. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130363.	1.5	26
2491	IHG-1 amplifies TGF- $\beta$ 1 signalling and mitochondrial biogenesis and is increased in diabetic kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2013, 22, 77-84.	1.0	12
2492	MicroRNA-584 and the Protein Phosphatase and Actin Regulator 1 (PHACTR1), a New Signaling Route through Which Transforming Growth Factor- $\beta$ 2 Mediates the Migration and Actin Dynamics of Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 11807-11823.	1.6	65
2493	Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4 Mediates the Differential Responsiveness of Atrial Versus Ventricular Fibroblasts to Transforming Growth Factor- $\beta$ 2. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 790-798.	2.1	42
2494	Disruption of the transforming growth factor- $\beta$ 2 pathway by tolfenamic acid via the ERK MAP kinase pathway. <i>Carcinogenesis</i> , 2013, 34, 2900-2907.	1.3	13
2495	NuMA Is Required for the Selective Induction of p53 Target Genes. <i>Molecular and Cellular Biology</i> , 2013, 33, 2447-2457.	1.1	37
2496	Development of a Small-Molecule Screening Method for Inhibitors of Cellular Response to Myostatin and Activin A. <i>Journal of Biomolecular Screening</i> , 2013, 18, 837-844.	2.6	20
2497	The Expression of Activin Receptor-Like Kinase 1 among Patients with Head and Neck Cancer. <i>Otolaryngology - Head and Neck Surgery</i> , 2013, 148, 965-973.	1.1	10
2498	Protein Kinase A Modulates Transforming Growth Factor- $\beta$ 2 Signaling through a Direct Interaction with Smad4 Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 8737-8749.	1.6	24
2499	TGF $\beta$ 2 signaling is required for sprouting lymphangiogenesis during lymphatic network development in the skin. <i>Development (Cambridge)</i> , 2013, 140, 3903-3914.	1.2	81
2500	OTUB1 enhances TGF $\beta$ 2 signalling by inhibiting the ubiquitylation and degradation of active SMAD2/3. <i>Nature Communications</i> , 2013, 4, 2519.	5.8	110
2501	Expression and significance of HIF-1 $\alpha$ in pulmonary fibrosis induced by paraquat. <i>Experimental Biology and Medicine</i> , 2013, 238, 1062-1068.	1.1	18
2502	Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy Type 1: A Light on Molecular Mechanisms. <i>Genetics Research International</i> , 2013, 2013, 1-8.	2.0	1
2503	Kielin/Chordin-Like Protein Attenuates both Acute and Chronic Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 897-905.	3.0	35

#	ARTICLE	IF	CITATIONS
2504	Smad2 and Smad3 cooperate and antagonize simultaneously in vertebrate neurogenesis. <i>Journal of Cell Science</i> , 2013, 126, 5335-43.	1.2	27
2505	Dual effects of Ral-activated pathways on p27 localization and TGF- $\beta$ 2 signaling. <i>Molecular Biology of the Cell</i> , 2013, 24, 1812-1824.	0.9	11
2506	Otitis media in the Tgif knockout mouse implicates TGF $\beta$ 2 signalling in chronic middle ear inflammatory disease. <i>Human Molecular Genetics</i> , 2013, 22, 2553-2565.	1.4	50
2507	Synthesis of peptides of <i>Carapax Trionycis</i> and their inhibitory effects on TGF- $\beta$ 2-induced hepatic stellate cells. <i>Drug Discoveries and Therapeutics</i> , 2013, 7, 248-53.	0.6	6
2508	Impact of High Glucose and Proteasome Inhibitor MG132 on Histone H2A and H2B Ubiquitination in Rat Glomerular Mesangial Cells. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-10.	1.0	30
2509	Transforming Growth Factor-Beta and Urokinase-Type Plasminogen Activator: Dangerous Partners in Tumorigenesis—Implications in Skin Cancer. <i>ISRN Dermatology</i> , 2013, 2013, 1-26.	1.9	36
2510	Inhibition of Histone Deacetylases Potentiates BMP9-Induced Osteogenic Signaling in Mouse Mesenchymal Stem Cells. <i>Cellular Physiology and Biochemistry</i> , 2013, 32, 486-498.	1.1	28
2511	Choosing Smads. <i>Circulation Research</i> , 2013, 113, 946-948.	2.0	8
2512	Epithelial Cell TGF $\beta$ 2 Signaling Induces Acute Tubular Injury and Interstitial Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 787-799.	3.0	68
2513	Heritable Forms of Pulmonary Arterial Hypertension. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2013, 34, 568-580.	0.8	20
2514	Camurati—engelmann disease with obesity in a newly identified family carrying a missense p.Arg156Cys mutation in the <i>TGFB1</i> gene. <i>American Journal of Medical Genetics, Part A</i> , 2013, 161, 2074-2077.	0.7	11
2515	Genome-wide mechanisms of Smad binding. <i>Oncogene</i> , 2013, 32, 1609-1615.	2.6	88
2516	TGF $\beta$ 2-induced PI 3 kinase-dependent Mnk1 activation is necessary for Ser209 phosphorylation of eIF4E and mesangial cell hypertrophy. <i>Journal of Cellular Physiology</i> , 2013, 228, 1617-1626.	2.0	16
2517	Epigenetic silencing of DACH1 induces loss of transforming growth factor- $\beta$ 1 antiproliferative response in human hepatocellular carcinoma. <i>Hepatology</i> , 2013, 58, 2012-2022.	3.6	56
2518	PRIMOS: An Integrated Database of Reassessed Protein—Protein Interactions Providing Web-Based Access to In Silico Validation of Experimentally Derived Data. <i>Assay and Drug Development Technologies</i> , 2013, 11, 333-346.	0.6	10
2519	<i>Smad4</i> — <i>Irf6</i> genetic interaction and TGF $\beta$ 2-mediated IRF6 signaling cascade are crucial for palatal fusion in mice. <i>Development (Cambridge)</i> , 2013, 140, 1220-1230.	1.2	74
2520	The Concise Guide to PHARMACOLOGY 2013/14: Catalytic Receptors. <i>British Journal of Pharmacology</i> , 2013, 170, 1676-1705.	2.7	148
2521	Transgenic mice overexpressing <i>CD109</i> in the epidermis display decreased inflammation and granulation tissue and improved collagen architecture during wound healing. <i>Wound Repair and Regeneration</i> , 2013, 21, 235-246.	1.5	23

#	ARTICLE	IF	CITATIONS
2522	Crosstalk between $\langle \text{sc} \rangle \text{EGF} \langle / \text{sc} \rangle$ and $\langle \text{sc} \rangle \text{BMP} \langle / \text{sc} \rangle$ signalling pathways regulates the osteogenic differentiation of mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 1160-1172.	1.6	71
2523	Prospective Potency of TGF- $\beta$ 1 on Maintenance and Regeneration of Periodontal Tissue. <i>International Review of Cell and Molecular Biology</i> , 2013, 304, 283-367.	1.6	37
2524	c-Abl-dependent Molecular Circuitry Involving Smad5 and Phosphatidylinositol 3-Kinase Regulates Bone Morphogenetic Protein-2-induced Osteogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 24503-24517.	1.6	29
2525	BMP Induces Cochlin Expression to Facilitate Self-renewal and Suppress Neural Differentiation of Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 8053-8060.	1.6	28
2526	Epithelial-Mesenchymal Transition Induces an Antitumor Immune Response Mediated by NKG2D Receptor. <i>Journal of Immunology</i> , 2013, 190, 4408-4419.	0.4	89
2527	Myotubularin-related Protein 4 (MTMR4) Attenuates BMP/Dpp Signaling by Dephosphorylation of Smad Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 79-88.	1.6	18
2528	Transforming Growth Factor $\beta$ -regulated MicroRNA-29a Promotes Angiogenesis through Targeting the Phosphatase and Tensin Homolog in Endothelium. <i>Journal of Biological Chemistry</i> , 2013, 288, 10418-10426.	1.6	60
2529	Activin receptor-like kinase 1 as a target for anti-angiogenesis therapy. <i>Expert Opinion on Investigational Drugs</i> , 2013, 22, 1371-1383.	1.9	33
2530	Percutaneous gene therapy heals cranial defects. <i>Gene Therapy</i> , 2013, 20, 922-929.	2.3	1
2531	Wnt/beta-Catenin Signaling and Small Molecule Inhibitors. <i>Current Pharmaceutical Design</i> , 2013, 19, 634-664.	0.9	194
2532	TGF- $\beta$ 2 Modulates Ovarian Cancer Invasion by Upregulating CAF-Derived Versican in the Tumor Microenvironment. <i>Cancer Research</i> , 2013, 73, 5016-5028.	0.4	315
2533	MicroRNA-376c Impairs Transforming Growth Factor- $\beta$ 2 and Nodal Signaling to Promote Trophoblast Cell Proliferation and Invasion. <i>Hypertension</i> , 2013, 61, 864-872.	1.3	157
2534	An Autocrine Loop between TGF- $\beta$ 1 and the Transcription Factor Brachyury Controls the Transition of Human Carcinoma Cells into a Mesenchymal Phenotype. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1805-1815.	1.9	57
2535	Transforming growth factor- $\beta$ 2 signalling controls human breast cancer metastasis in a zebrafish xenograft model. <i>Breast Cancer Research</i> , 2013, 15, R106.	2.2	100
2536	Prostaglandin E2 promotes liver cancer cell growth by the upregulation of FUSE-binding protein 1 expression. <i>International Journal of Oncology</i> , 2013, 42, 1093-1104.	1.4	33
2537	Mutation of TGF- $\beta$ 2 receptor II facilitates human bladder cancer progression through altered TGF- $\beta$ 1 signaling pathway. <i>International Journal of Oncology</i> , 2013, 43, 1549-1559.	1.4	12
2538	JNK inhibitor SP600125 enhances TGF- $\beta$ 2-induced apoptosis of RBE human cholangiocarcinoma cells in a Smad-dependent manner. <i>Molecular Medicine Reports</i> , 2013, 8, 1623-1629.	1.1	20
2539	PARP-1 regulates expression of TGF- $\beta$ 2 receptors in T cells. <i>Blood</i> , 2013, 122, 2224-2232.	0.6	35

#	ARTICLE	IF	CITATIONS
2540	Articular Cartilage Development. , 2013, , 51-103.		0
2541	Systemic administration of Follistatin288 increases muscle mass and reduces fat accumulation in mice. Scientific Reports, 2013, 3, 2441.	1.6	22
2542	The TGF $\beta$ <sup>2</sup> -induced phosphorylation and activation of p38 mitogen-activated protein kinase is mediated by MAP3K4 and MAP3K10 but not TAK1. Open Biology, 2013, 3, 130067.	1.5	21
2543	Concerted interaction of TGF- $\beta$ <sup>2</sup> and GDNF mediates neuronal differentiation. NeuroReport, 2013, 24, 704-711.	0.6	2
2544	Novel Risk Factors Related to Stable Angina. Current Pharmaceutical Design, 2013, 19, 1550-1561.	0.9	2
2545	The murine growth differentiation factor 15 is not essential for systemic iron homeostasis in phlebotomized mice. Haematologica, 2013, 98, 444-447.	1.7	95
2546	Low-dose paclitaxel modulates tumour fibrosis in gastric cancer. International Journal of Oncology, 2013, 42, 1167-1174.	1.4	42
2547	Discovery of 7-Methoxy-6-[4-(4-methyl-1,3-thiazol-2-yl)-1H-imidazol-5-yl]-1,3-benzothiazole (TASPO382088): A Potent and Selective Transforming Growth Factor- $\beta$ <sup>2</sup> Type I Receptor Inhibitor as a Topical Drug for Alopecia. Chemical and Pharmaceutical Bulletin, 2013, 61, 286-291.	0.6	5
2548	BMP signaling in mesenchymal stem cell differentiation and bone formation. Journal of Biomedical Science and Engineering, 2013, 06, 32-52.	0.2	227
2549	Systematic review/Meta-analysis Int7G24A polymorphism (rs334354) and cancer risk. Archives of Medical Science, 2013, 1, 3-7.	0.4	5
2550	Crosstalk between the Smad and the Mitogen-Activated Protein Kinase Pathways is Essential for Erythroid Differentiation of Erythroleukemia Cells Induced by TGF- $\beta$ <sup>2</sup> , Activin, Hydroxyurea and Butyrate. Journal of Leukemia (Los Angeles, Calif ), 2013, 01, .	0.1	5
2551	Dynamic Interplay of Smooth Muscle $\beta$ -Actin Gene-Regulatory Proteins Reflects the Biological Complexity of Myofibroblast Differentiation. Biology, 2013, 2, 555-586.	1.3	13
2552	In vitro reparative dentin: a biochemical and morphological study. European Journal of Histochemistry, 2013, 57, 23.	0.6	22
2553	The Anti-Fibrotic Effect of Bone Morphogenetic Protein-7(BMP-7) on Liver Fibrosis. International Journal of Medical Sciences, 2013, 10, 441-450.	1.1	35
2554	Exogenous bone morphogenetic protein-7 reduces hepatic fibrosis in <i>Schistosoma japonicum</i> -infected mice via transforming growth factor- $\beta$ <sup>2</sup> /Smad signaling. World Journal of Gastroenterology, 2013, 19, 1405.	1.4	43
2555	TGF- $\beta$ <sup>2</sup> /Smad2/3 Signaling Directly Regulates Several miRNAs in Mouse ES Cells and Early Embryos. PLoS ONE, 2013, 8, e55186.	1.1	17
2556	The Different Immunoregulatory Functions on Dendritic Cells between Mesenchymal Stem Cells Derived from Bone Marrow of Patients with Low-Risk or High-Risk Myelodysplastic Syndromes. PLoS ONE, 2013, 8, e57470.	1.1	36
2557	Bursted BMP Triggered Receptor Kinase Activity Drives Smad1 Mediated Long-Term Target Gene Oscillation in c2c12 Cells. PLoS ONE, 2013, 8, e59442.	1.1	2

#	ARTICLE	IF	CITATIONS
2558	Transcriptome Analysis of Skin Photoaging in Chinese Females Reveals the Involvement of Skin Homeostasis and Metabolic Changes. PLoS ONE, 2013, 8, e61946.	1.1	19
2559	Sorafenib Inhibits Epithelial-Mesenchymal Transition through an Epigenetic-Based Mechanism in Human Lung Epithelial Cells. PLoS ONE, 2013, 8, e64954.	1.1	30
2560	Identification of a Novel TGF- $\beta$ -Binding Site in the Zona Pellucida C-terminal (ZP-C) Domain of TGF- $\beta$ -Receptor-3 (TGFR-3). PLoS ONE, 2013, 8, e67214.	1.1	33
2561	Crosstalk between Shh and TGF- $\beta$ Signaling in Cyclosporine-Enhanced Cell Proliferation in Human Gingival Fibroblasts. PLoS ONE, 2013, 8, e70128.	1.1	22
2562	Elderly Men Have Low Levels of Anti-Müllerian Hormone and Inhibin B, but with High Interpersonal Variation: A Cross-Sectional Study of the Sertoli Cell Hormones in 615 Community-Dwelling Men. PLoS ONE, 2013, 8, e70967.	1.1	32
2563	Endoplasmic Reticulum (ER) Stress Inducible Factor Cysteine-Rich with EGF-Like Domains 2 (Creld2) Is an Important Mediator of BMP9-Regulated Osteogenic Differentiation of Mesenchymal Stem Cells. PLoS ONE, 2013, 8, e73086.	1.1	40
2564	CK2 Inhibitor CX-4945 Blocks TGF- $\beta$ 1-Induced Epithelial-to-Mesenchymal Transition in A549 Human Lung Adenocarcinoma Cells. PLoS ONE, 2013, 8, e74342.	1.1	64
2565	Inhibition of mTOR Reduces Anal Carcinogenesis in Transgenic Mouse Model. PLoS ONE, 2013, 8, e74888.	1.1	13
2566	Characterization of Negative Feedback Network Motifs in the TGF- $\beta$ Signaling Pathway. PLoS ONE, 2013, 8, e83531.	1.1	15
2567	BMP-7 counteracting TGF-beta1 activities in organ fibrosis. Frontiers in Bioscience - Landmark, 2013, 18, 1407.	3.0	55
2568	BMP signaling in telencephalic neural cell specification and maturation. Frontiers in Cellular Neuroscience, 2013, 7, 87.	1.8	50
2569	Characterization of Wnt/ $\beta$ -catenin and BMP/Smad signaling pathways in an in vitro model of amyotrophic lateral sclerosis. Frontiers in Cellular Neuroscience, 2013, 7, 239.	1.8	27
2570	Growth factors in synaptic function. Frontiers in Synaptic Neuroscience, 2013, 5, 6.	1.3	48
2571	The Genetics of Diabetic Nephropathy. Genes, 2013, 4, 596-619.	1.0	36
2572	The Generation of Midbrain Dopaminergic Neurons. , 2013, , 435-453.		5
2573	Pulmonary Arterial Hypertension. , 2013, , 667-686.		4
2574	Intestinal barrier: Molecular pathways and modifiers. World Journal of Gastrointestinal Pathophysiology, 2013, 4, 94.	0.5	49
2575	TGF- $\beta$ signaling in stem cells and tumorigenesis. , 0, , 119-134.		0

#	ARTICLE	IF	CITATIONS
2576	Hydrogen Sulfide Alleviates Myocardial Collagen Remodeling in Association with Inhibition of TGF- $\beta$ /Smad Signaling Pathway in Spontaneously Hypertensive Rats. <i>Molecular Medicine</i> , 2014, 20, 503-515.	1.9	35
2577	Bmp6 Expression Can Be Regulated Independently of Liver Iron in Mice. <i>PLoS ONE</i> , 2014, 9, e84906.	1.1	11
2578	Reversal of Ischemic Cardiomyopathy with Sca-1+ Stem Cells Modified with Multiple Growth Factors. <i>PLoS ONE</i> , 2014, 9, e93645.	1.1	11
2579	Characterization of Constitutive Promoters for piggyBac Transposon-Mediated Stable Transgene Expression in Mesenchymal Stem Cells (MSCs). <i>PLoS ONE</i> , 2014, 9, e94397.	1.1	43
2580	F-Spondin Deficient Mice Have a High Bone Mass Phenotype. <i>PLoS ONE</i> , 2014, 9, e98388.	1.1	22
2581	Environmental Particulate (PM2.5) Augments Stiffness-Induced Alveolar Epithelial Cell Mechanoactivation of Transforming Growth Factor Beta. <i>PLoS ONE</i> , 2014, 9, e106821.	1.1	44
2582	The Polyphenols ( $\alpha$ )-Epigallocatechin-3-Gallate and Luteolin Synergistically Inhibit TGF- $\beta$ -Induced Myofibroblast Phenotypes through RhoA and ERK Inhibition. <i>PLoS ONE</i> , 2014, 9, e109208.	1.1	40
2583	Community Structure Detection for Overlapping Modules through Mathematical Programming in Protein Interaction Networks. <i>PLoS ONE</i> , 2014, 9, e112821.	1.1	18
2584	Transforming Growth Factor-Beta and Matrix Metalloproteinases: Functional Interactions in Tumor Stroma-Infiltrating Myeloid Cells. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	0.8	136
2585	Mesenchymal Conversion of Mesothelial Cells Is a Key Event in the Pathophysiology of the Peritoneum during Peritoneal Dialysis. <i>Advances in Medicine</i> , 2014, 2014, 1-17.	0.3	74
2586	LPA-primed astrocytes induce axonal outgrowth of cortical progenitors by activating PKA signaling pathways and modulating extracellular matrix proteins. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 296.	1.8	19
2587	Evaluation of the metabolism of glycosaminoglycans in patients with interstitial cystitis. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2014, 40, 72-79.	0.7	5
2588	Effect of BMPRII gene silencing by siRNA on apoptosis and steroidogenesis of porcine granulosa cells. <i>Genetics and Molecular Research</i> , 2014, 13, 9964-9975.	0.3	9
2589	Biomarkers and mechanisms associated with recurrent prostate cancer. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 339.	3.0	3
2590	The Lophotrochozoan TGF- $\beta$ signalling cassette - diversification and conservation in a key signalling pathway. <i>International Journal of Developmental Biology</i> , 2014, 58, 533-549.	0.3	32
2591	The Role of TGF- $\beta$ Signaling in $\beta$ -Cell Dysfunction and Type 2 Diabetes: A Review. <i>Journal of Cytology &amp; Histology</i> , 2014, 05, .	0.1	7
2592	Pathogenetic mechanisms in gastric cancer. <i>World Journal of Gastroenterology</i> , 2014, 20, 13804.	1.4	81
2593	Linker phosphorylation of Smad3 promotes fibro-carcinogenesis in chronic viral hepatitis of hepatocellular carcinoma. <i>World Journal of Gastroenterology</i> , 2014, 20, 15018.	1.4	19

#	ARTICLE	IF	CITATIONS
2594	The Molecular Frame of Pancreatic Carcinogenesis. , 0, , .		0
2595	Smad7 Sustains Inflammation in the Gut: From Bench to Bedside. <i>Journal of Clinical &amp; Cellular Immunology</i> , 2014, 05, .	1.5	1
2596	Angiotensin II-dependent TGF- $\beta$ 2 signaling contributes to Loey's-Dietz syndrome vascular pathogenesis. <i>Journal of Clinical Investigation</i> , 2014, 124, 448-460.	3.9	214
2597	MicroRNAs in Gastric Cancer Metastasis. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2014, 24, 39-53.	0.4	13
2598	TGF- $\beta$ 1 Induces COX-2 Expression and PGE2 Production in Human Granulosa Cells Through Smad Signaling Pathways. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1217-E1226.	1.8	53
2599	Transcriptional Regulation of Seprase in Invasive Melanoma Cells by Transforming Growth Factor- $\beta$ 2 Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 15280-15296.	1.6	29
2600	Biological Foundations of Signal Transduction, Systems Biology and Aberrations in Disease. , 2014, , 45-64.		1
2601	Bone morphogenetic proteins: Relationship between molecular structure and their osteogenic activity. <i>Food Science and Human Wellness</i> , 2014, 3, 127-135.	2.2	62
2602	Transforming growth factor- $\beta$ and the progression of renal disease. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, i37-i45.	0.4	235
2603	Expression of histone deacetylase-1 and p300 in aristolochic acid nephropathy models. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 377-384.	1.3	8
2604	Extracellular matrix as a contextual determinant of transforming growth factor- $\beta$ 2 signaling in epithelial-mesenchymal transition and in cancer. <i>Cell Adhesion and Migration</i> , 2014, 8, 588-594.	1.1	37
2605	MIR-142-3p represses TGF- $\beta$ 2-induced growth inhibition through repression of TGF- $\beta$ 2R1 in non-small cell lung cancer. <i>FASEB Journal</i> , 2014, 28, 2696-2704.	0.2	90
2606	Overexpression of Smad7 Blocks Primary Tumor Growth and Lung Metastasis Development in Osteosarcoma. <i>Clinical Cancer Research</i> , 2014, 20, 5097-5112.	3.2	88
2607	Cytokine Expression in the Cervical Stroma of HIV-Positive and HIV-Negative Women with Cervical Intraepithelial Neoplasia. <i>Viral Immunology</i> , 2014, 27, 350-355.	0.6	1
2608	Inhibition of CDK-mediated phosphorylation of Smad3 results in decreased oncogenesis in triple negative breast cancer cells. <i>Cell Cycle</i> , 2014, 13, 3191-3201.	1.3	30
2609	ALK5 and ALK1 Play Antagonistic Roles in Transforming Growth Factor $\beta$ 2-Induced Podosome Formation in Aortic Endothelial Cells. <i>Molecular and Cellular Biology</i> , 2014, 34, 4389-4403.	1.1	25
2610	PDGF receptor- $\beta$ promotes TGF- $\beta$ 2 signaling in hepatic stellate cells via transcriptional and posttranscriptional regulation of TGF- $\beta$ 2 receptors. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G749-G759.	1.6	55
2611	TIF1- $\beta$ Protein Regulates Epithelial-Mesenchymal Transition by Operating as a Small Ubiquitin-like Modifier (SUMO) E3 Ligase for the Transcriptional Regulator SnoN1. <i>Journal of Biological Chemistry</i> , 2014, 289, 25067-25078.	1.6	32

#	ARTICLE	IF	CITATIONS
2612	Covalently tethered TGF $\beta$ 1 with encapsulated chondrocytes in a PEG hydrogel system enhances extracellular matrix production. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 4464-4472.	2.1	72
2613	Targeting SMAD3 for inhibiting prostate cancer metastasis. <i>Tumor Biology</i> , 2014, 35, 8537-8541.	0.8	18
2614	The T-box transcription factor Brachyury promotes renal interstitial fibrosis by repressing E-cadherin expression. <i>Cell Communication and Signaling</i> , 2014, 12, 76.	2.7	13
2615	Upregulation of activin-B and follistatin in pulmonary fibrosis – a translational study using human biopsies and a specific inhibitor in mouse fibrosis models. <i>BMC Pulmonary Medicine</i> , 2014, 14, 170.	0.8	17
2616	Structures of a pan-specific antagonist antibody complexed to different isoforms of TGF $\beta$ 2 reveal structural plasticity of antibody-antigen interactions. <i>Protein Science</i> , 2014, 23, 1698-1707.	3.1	24
2617	Inhibition of Smurf2 translation by miR-322/503 modulates TGF $\beta$ 2/Smad2 signaling and intestinal epithelial homeostasis. <i>Molecular Biology of the Cell</i> , 2014, 25, 1234-1243.	0.9	69
2618	Growth differentiation Factor 11 is an encephalic regionalizing factor in neural differentiated mouse embryonic stem cells. <i>BMC Research Notes</i> , 2014, 7, 766.	0.6	14
2619	Kaposi's Sarcoma-Associated Herpesvirus Downregulates Transforming Growth Factor $\beta$ 2 To Promote Enhanced Stability of Capillary-Like Tube Formation. <i>Journal of Virology</i> , 2014, 88, 14301-14309.	1.5	20
2620	Prostate apoptosis response-4 mediates TGF $\beta$ 2-induced epithelial-to-mesenchymal transition. <i>Cell Death and Disease</i> , 2014, 5, e1044-e1044.	2.7	29
2621	The Notch Pathway Inhibits TGF $\beta$ 2 Signaling in Breast Cancer through HEYL-Mediated Crosstalk. <i>Cancer Research</i> , 2014, 74, 6509-6518.	0.4	27
2622	TGF $\beta$ 2/Smad3 inhibit vascular smooth muscle cell apoptosis through an autocrine signaling mechanism involving VEGF-A. <i>Cell Death and Disease</i> , 2014, 5, e1317-e1317.	2.7	41
2623	Myhre and LAPS syndromes: clinical and molecular review of 32 patients. <i>European Journal of Human Genetics</i> , 2014, 22, 1272-1277.	1.4	38
2624	Brightfield Proximity Ligation Assay Reveals Both Canonical and Mixed Transforming Growth Factor- $\beta$ /Bone Morphogenetic Protein Smad Signaling Complexes in Tissue Sections. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 846-863.	1.3	16
2625	Interferon consensus sequence-binding protein (ICSBP) promotes epithelial-to-mesenchymal transition (EMT)-like phenomena, cell-motility, and invasion via TGF- $\beta$ 2 signaling in U2OS cells. <i>Cell Death and Disease</i> , 2014, 5, e1224-e1224.	2.7	33
2626	Low-Intensity Pulsed Ultrasound Induces Osteogenic Differentiation of Human Periodontal Ligament Cells Through Activation of Bone Morphogenetic Protein- $\beta$ Smad Signaling. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 865-873.	0.8	28
2627	Transforming Growth Factor- $\beta$ 21 (TGF- $\beta$ 21) Induces Mouse Precartilaginous Stem Cell Proliferation through TGF- $\beta$ 2 Receptor II (TGFRII)-Akt- $\beta$ 2-Catenin Signaling. <i>International Journal of Molecular Sciences</i> , 2014, 15, 12665-12676.	1.8	14
2628	Effects of transforming growth factor- $\beta$ 21 on the proliferation and invasion of the HTR-8/SVneo cell line. <i>Oncology Letters</i> , 2014, 8, 2187-2192.	0.8	13
2629	An Atypical Canonical Bone Morphogenetic Protein (BMP) Signaling Pathway Regulates Msh Homeobox 1 (Msh1) Expression during Odontogenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 31492-31502.	1.6	28



#	ARTICLE	IF	CITATIONS
2630	Schistosomiasis and the Pulmonary Vasculature (2013 Grover Conference Series). Pulmonary Circulation, 2014, 4, 353-362.	0.8	21
2631	Mysteries of TGF- $\beta$ 2 Paradox in Benign and Malignant Cells. Frontiers in Oncology, 2014, 4, 94.	1.3	42
2632	The Self-Limiting Dynamics of TGF- $\beta$ 2 Signaling In Silico and In Vitro, with Negative Feedback through PPM1A Upregulation. PLoS Computational Biology, 2014, 10, e1003573.	1.5	11
2633	Early Activation of Pulmonary TGF- $\beta$ 1/Smad2 Signaling in Mice with Acute Pancreatitis-Associated Acute Lung Injury. Mediators of Inflammation, 2014, 2014, 1-11.	1.4	17
2634	GDF15 regulates Kv2.1-mediated outward K <sup>+</sup> current through the Akt/mTOR signalling pathway in rat cerebellar granule cells. Biochemical Journal, 2014, 460, 35-47.	1.7	19
2635	Understanding the Process of Fibrosis in Duchenne Muscular Dystrophy. BioMed Research International, 2014, 2014, 1-11.	0.9	165
2636	Regulation of TGF- $\beta$ 2 Superfamily Signaling by SMAD Mono-Ubiquitination. Cells, 2014, 3, 981-993.	1.8	62
2637	Deregulation of Bone Forming Cells in Bone Diseases and Anabolic Effects of Strontium-Containing Agents and Biomaterials. BioMed Research International, 2014, 2014, 1-12.	0.9	39
2638	Hemojuvelin and bone morphogenetic protein (BMP) signaling in iron homeostasis. Frontiers in Pharmacology, 2014, 5, 104.	1.6	84
2639	Effect of Smad pathway activation on podocyte cell cycle regulation: an immunohistochemical evaluation. Renal Failure, 2014, 36, 1310-1316.	0.8	4
2640	Change in Growth Differentiation Factor 15, but Not C-Reactive Protein, Independently Predicts Major Cardiac Events in Patients with Non-ST Elevation Acute Coronary Syndrome. Mediators of Inflammation, 2014, 2014, 1-5.	1.4	13
2641	USP15 targets ALK3/BMPRI1A for deubiquitylation to enhance bone morphogenetic protein signalling. Open Biology, 2014, 4, 140065.	1.5	45
2642	Hyaluronan/RHAMM Interactions in Mesenchymal Tumor Pathogenesis. Advances in Cancer Research, 2014, 123, 319-349.	1.9	28
2643	The SKI proto-oncogene enhances the in vivo repopulation of hematopoietic stem cells and causes myeloproliferative disease. Haematologica, 2014, 99, 647-655.	1.7	18
2644	Cadherin juxtamembrane region derived peptides inhibit TGF- $\beta$ 1 induced gene expression. Bioarchitecture, 2014, 4, 103-110.	1.5	4
2645	TGF- $\beta$ 2 in Endosomal Signaling. Methods in Enzymology, 2014, 535, 39-54.	0.4	4
2646	Functional role of TGF- $\beta$ 2 receptors during palatal fusion in vitro. Archives of Oral Biology, 2014, 59, 1192-1204.	0.8	7
2647	Ets Related Gene and Smad3 Proteins Collaborate to Activate Transforming Growth Factor-Beta Mediated Signaling Pathway in ETS Related Gene-Positive Prostate Cancer Cells. Journal of Pharmaceutical Sciences and Pharmacology, 2014, 1, 175-181.	0.2	11

#	ARTICLE	IF	CITATIONS
2648	Innate Antiviral Host Defense Attenuates TGF- $\beta$ 2 Function through IRF3-Mediated Suppression of Smad Signaling. <i>Molecular Cell</i> , 2014, 56, 723-737.	4.5	64
2649	A reciprocal antagonism between miR-376c and TGF- $\beta$ 2 signaling regulates neural differentiation of human pluripotent stem cells. <i>FASEB Journal</i> , 2014, 28, 4642-4656.	0.2	15
2650	Compound A from <i>Stragalus</i> and <i>Salsola vermiculata</i> extracts suppress hepatocarcinogenesis by modulating transforming growth factor- $\beta$ 2/Smad signaling. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014, 29, 1284-1291.	1.4	23
2651	Autophagy fosters myofibroblast differentiation through MTORC2 activation and downstream upregulation of CTGF. <i>Autophagy</i> , 2014, 10, 2193-2207.	4.3	67
2652	Sirt1 Activation Ameliorates Renal Fibrosis by Inhibiting the TGF- $\beta$ 2/Smad3 Pathway. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 996-1005.	1.2	171
2653	Aberrant methylation and decreased expression of the TGF- $\beta$ 2/Smad target gene FBXO32 in esophageal squamous cell carcinoma. <i>Cancer</i> , 2014, 120, 2412-2423.	2.0	39
2654	Commitment to nutritional endoderm in <i>Eleutherodactylus coqui</i> involves altered nodal signaling and global transcriptional repression. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2014, 322, 27-44.	0.6	7
2655	Follicle-stimulating hormone synthesis and fertility depend on SMAD4 and FOXL2. <i>FASEB Journal</i> , 2014, 28, 3396-3410.	0.2	68
2656	Reversible phospho-Smad3 signalling between tumour suppression and fibrocarcinogenesis in chronic hepatitis B infection. <i>Clinical and Experimental Immunology</i> , 2014, 176, 102-111.	1.1	10
2657	Role of Flightless-I ( <i>Drosophila</i> ) homolog in the transcription activation of type I collagen gene mediated by transforming growth factor beta. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 393-398.	1.0	8
2658	Characterization of scaffold carriers for BMP9-transduced osteoblastic progenitor cells in bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3429-3438.	2.1	16
2659	Regulation of TGF- $\beta$ 1-driven Differentiation of Human Lung Fibroblasts. <i>Journal of Biological Chemistry</i> , 2014, 289, 16239-16251.	1.6	60
2660	Nanotechnology and adeno-associated virus-based decorin gene therapy ameliorates peritoneal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F777-F782.	1.3	24
2661	Robinin modulates doxorubicin-induced cardiac apoptosis by TGF- $\beta$ 1 signaling pathway in Sprague Dawley rats. <i>Biomedicine and Pharmacotherapy</i> , 2014, 68, 989-998.	2.5	13
2663	Enhanced bioactivity of transform growth factor- $\beta$ 1 from sulfated chitosan microspheres for in vitro chondrogenesis of mesenchymal stem cells. <i>Pure and Applied Chemistry</i> , 2014, 86, 1885-1895.	0.9	3
2664	Dab2 inhibits the cholesterol-dependent activation of JNK by TGF- $\beta$ 2. <i>Molecular Biology of the Cell</i> , 2014, 25, 1620-1628.	0.9	24
2665	Regional changes in elastic fiber organization and transforming growth factor- $\beta$ 2 signaling in aortas from a mouse model of marfan syndrome. <i>Cell and Tissue Research</i> , 2014, 358, 807-819.	1.5	4
2666	Breast cancer anti-estrogen resistance 3 inhibits transforming growth factor- $\beta$ 2/Smad signaling and associates with favorable breast cancer disease outcomes. <i>Breast Cancer Research</i> , 2014, 16, 476.	2.2	22

#	ARTICLE	IF	CITATIONS
2667	Novel clinical therapeutics targeting the epithelial to mesenchymal transition. <i>Clinical and Translational Medicine</i> , 2014, 3, 35.	1.7	65
2668	Evolutionary Origin of Bone Morphogenetic Protein 15 and Growth and Differentiation Factor 9 and Differential Selective Pressure Between Mono- and Polyovulating Species 1. <i>Biology of Reproduction</i> , 2014, 91, 83.	1.2	24
2669	Hematocrit is associated with fibrosis in patients with nonalcoholic steatohepatitis. <i>European Journal of Gastroenterology and Hepatology</i> , 2014, 26, 332-338.	0.8	16
2670	Imatinib Mesylate Attenuates Myocardial Remodeling Through Inhibition of Platelet-Derived Growth Factor and Transforming Growth Factor Activation in a Rat Model of Hypertension. <i>Hypertension</i> , 2014, 63, 1228-1234.	1.3	23
2671	TGF- $\beta$ 2 Signaling Mediates Endothelial-to-Mesenchymal Transition (EndMT) During Vein Graft Remodeling. <i>Science Translational Medicine</i> , 2014, 6, 227ra34.	5.8	321
2672	TGF $\beta$ 2 Signaling Promotes Juvenile Granulosa Cell Tumorigenesis by Suppressing Apoptosis. <i>Molecular Endocrinology</i> , 2014, 28, 1887-1898.	3.7	27
2673	Novel Rho/MRTF/SRF Inhibitors Block Matrix-stiffness and TGF- $\beta$ 2-Induced Fibrogenesis in Human Colonic Myofibroblasts. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 154-165.	0.9	155
2674	Human Fibroblast-Like Cultures in the Presence of Platelet-Rich Plasma as a Single Growth Factor Source. <i>Advances in Skin and Wound Care</i> , 2014, 27, 114-120.	0.5	15
2675	The interactions of TGF-beta signalling pathway and Jagged2/Notch1 pathway induce acanthosis in lingual epithelia. <i>Pathology</i> , 2014, 46, 555-565.	0.3	2
2676	M2 macrophages promote beta-cell proliferation by up-regulation of SMAD7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1211-20.	3.3	267
2677	Genetic Suppression of Inflammation Blocks the Tumor-Promoting Effects of TGF- $\beta$ 2 in Gastric Tissue. <i>Cancer Research</i> , 2014, 74, 2642-2651.	0.4	13
2678	Sodium Iodate Influences the Apoptosis, Proliferation and Differentiation Potential of Radial Glial Cells In Vitro. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 1109-1124.	1.1	9
2679	Intramuscular adipogenesis is inhibited by myo-endothelial progenitors with functioning Bmpr1a signalling. <i>Nature Communications</i> , 2014, 5, 4063.	5.8	36
2680	Paricalcitol Ameliorates Epithelial-to-Mesenchymal Transition in the Peritoneal Mesothelium. <i>Nephron Experimental Nephrology</i> , 2014, 126, 1-7.	2.4	12
2681	Regulation of brown adipocyte metabolism by myostatin/follistatin signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 60.	1.8	58
2682	Critical roles of miRNA-mediated regulation of TGF $\beta$ signalling during mouse cardiogenesis. <i>Cardiovascular Research</i> , 2014, 103, 258-267.	1.8	26
2683	Optimizing anesthetic regimen for surgery in mice through minimization of hemodynamic, metabolic, and inflammatory perturbations. <i>Experimental Biology and Medicine</i> , 2014, 239, 737-746.	1.1	47
2684	Aortic Carboxypeptidase-like Protein (ACLP) Enhances Lung Myofibroblast Differentiation through Transforming Growth Factor $\beta$ 2 Receptor-dependent and -independent Pathways. <i>Journal of Biological Chemistry</i> , 2014, 289, 2526-2536.	1.6	50

#	ARTICLE	IF	CITATIONS
2685	Regulatory T-Cell Differentiation and Their Function in Immune Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2014, 841, 67-97.	0.8	18
2686	New tricks for an old fox: Impact of TGF $\beta$ 2 on the DNA damage response and genomic stability. <i>Science Signaling</i> , 2014, 7, re5.	1.6	64
2687	Natural Killer Cells and Neuroblastoma: Tumor Recognition, Escape Mechanisms, and Possible Novel Immunotherapeutic Approaches. <i>Frontiers in Immunology</i> , 2014, 5, 56.	2.2	77
2688	Protein associated with SMAD1 (PAWS1/FAM83G) is a substrate for type I bone morphogenetic protein receptors and modulates bone morphogenetic protein signalling. <i>Open Biology</i> , 2014, 4, 130210.	1.5	35
2689	Clinical significance of epithelial $\rightarrow$ mesenchymal transition. <i>Clinical and Translational Medicine</i> , 2014, 3, 17.	1.7	142
2690	Biomechanics of TGF $\beta$ 2 $\alpha$ -induced epithelial $\rightarrow$ mesenchymal transition: implications for fibrosis and cancer. <i>Clinical and Translational Medicine</i> , 2014, 3, 23.	1.7	112
2691	EW-7197, a Novel ALK-5 Kinase Inhibitor, Potently Inhibits Breast to Lung Metastasis. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1704-1716.	1.9	84
2692	Follicle $\rightarrow$ stimulating hormone synthesis and fertility are intact in mice lacking SMAD3 DNA binding activity and SMAD2 in gonadotrope cells. <i>FASEB Journal</i> , 2014, 28, 1474-1485.	0.2	27
2693	The Immune System and the Remodeling Infarcted Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 63, 185-195.	0.8	137
2694	Ursodeoxycholy lysophosphatidylethanolamide attenuates hepatofibrogenesis by impairment of TGF $\beta$ 1/Smad2/3 signalling. <i>British Journal of Pharmacology</i> , 2014, 171, 5113-5126.	2.7	18
2695	TGFBR1 tagging SNPs and gastric cancer susceptibility: A two $\rightarrow$ stage case $\rightarrow$ control study in chinese population. <i>Molecular Carcinogenesis</i> , 2014, 53, 109-116.	1.3	10
2696	Crosstalk between tyrosine kinase receptors, GSK3 and BMP2 signaling during osteoblastic differentiation of human mesenchymal stem cells. <i>Molecular and Cellular Endocrinology</i> , 2014, 382, 120-130.	1.6	31
2697	A far-upstream AP-1/Smad binding box regulates human NOX4 promoter activation by transforming growth factor $\beta$ 2. <i>Gene</i> , 2014, 540, 62-67.	1.0	45
2698	4-Hydroxynonenal impairs transforming growth factor $\beta$ 1-induced elastin synthesis via epidermal growth factor receptor activation in human and murine fibroblasts. <i>Free Radical Biology and Medicine</i> , 2014, 71, 427-436.	1.3	25
2699	Attenuation of TGF $\beta$ 2 signaling supports tumor progression of a mesenchymal-like mammary tumor cell line in a syngeneic murine model. <i>Cancer Letters</i> , 2014, 346, 129-138.	3.2	39
2700	Low-dose of multi-glycoside of <i>Tripterygium wilfordii</i> Hook. f., a natural regulator of TGF $\beta$ 1/Smad signaling activity improves adriamycin-induced glomerulosclerosis in vivo. <i>Journal of Ethnopharmacology</i> , 2014, 151, 1079-1089.	2.0	36
2701	The genetic basis of pulmonary arterial hypertension. <i>Human Genetics</i> , 2014, 133, 471-479.	1.8	75
2702	Involvement of the Osteoinductive Factors, Tmem119 and BMP-2, and the ER Stress Response PERK $\rightarrow$ eIF2 $\rightarrow$ ATF4 Pathway in the Commitment of Myoblastic into Osteoblastic Cells. <i>Calcified Tissue International</i> , 2014, 94, 454-464.	1.5	44

#	ARTICLE	IF	CITATIONS
2703	TGF $\beta$ 1 induces EMT reprogramming of porcine bladder urothelial cells into collagen producing fibroblasts-like cells in a Smad2/Smad3 dependent manner. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 39-58.	1.8	53
2704	Differential regulation of mouse pancreatic islet insulin secretion and Smad proteins by activin ligands. <i>Diabetologia</i> , 2014, 57, 148-156.	2.9	23
2705	The prognostic value of Smad4 mRNA in patients with prostate cancer. <i>Tumor Biology</i> , 2014, 35, 3333-3337.	0.8	9
2706	Role of Extracellular Matrix Signaling Cues in Modulating Cell Fate Commitment for Cardiovascular Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2014, 3, 628-641.	3.9	71
2707	Literature-Based Automated Reconstruction, Expansion, and Refinement of the TGF $\beta$ Superfamily Ligand-Receptor Network. <i>Journal of Membrane Biology</i> , 2014, 247, 381-386.	1.0	5
2708	Lithium chloride inhibits TGF $\beta$ 1-induced myofibroblast transdifferentiation via PI3K/Akt pathway in cultured fibroblasts from Tenon's capsule of the human eye. <i>Biotechnology Letters</i> , 2014, 36, 1217-1224.	1.1	14
2709	Roles for the TGF $\beta$ Superfamily in the Development and Survival of Midbrain Dopaminergic Neurons. <i>Molecular Neurobiology</i> , 2014, 50, 559-573.	1.9	32
2710	Expression of TGF-beta superfamily growth factors, their receptors, the associated SMADs and antagonists in five isolated size-matched populations of pre-antral follicles from normal human ovaries. <i>Molecular Human Reproduction</i> , 2014, 20, 293-308.	1.3	81
2711	TGF $\beta$ : Duality of Function Between Tumor Prevention and Carcinogenesis. <i>Journal of the National Cancer Institute</i> , 2014, 106, djt369-djt369.	3.0	413
2712	Molecular Profiles of Pyramidal Neurons in the Superior Temporal Cortex in Schizophrenia. <i>Journal of Neurogenetics</i> , 2014, 28, 53-69.	0.6	75
2713	Astrocytic transforming growth factor-beta signaling reduces subacute neuroinflammation after stroke in mice. <i>Glia</i> , 2014, 62, 1227-1240.	2.5	160
2714	Size-Based Chromatography of Signaling Clusters in a Living Cell Membrane. <i>Nano Letters</i> , 2014, 14, 2293-2298.	4.5	21
2715	Polycystic Ovary Syndrome. <i>Endocrinology and Metabolism Clinics of North America</i> , 2014, 43, 123-147.	1.2	82
2716	Deregulation of cell signaling in cancer. <i>FEBS Letters</i> , 2014, 588, 2558-2570.	1.3	103
2717	Contribution of acidic melanoma cells undergoing epithelial-to-mesenchymal transition to aggressiveness of non-acidic melanoma cells. <i>Clinical and Experimental Metastasis</i> , 2014, 31, 423-433.	1.7	81
2718	<sc>TMEPAI</sc>/<sc>PMEPA</sc>1 enhances tumorigenic activities in lung cancer cells. <i>Cancer Science</i> , 2014, 105, 334-341.	1.7	54
2719	PTTG1 inhibits SMAD3 in prostate cancer cells to promote their proliferation. <i>Tumor Biology</i> , 2014, 35, 6265-6270.	0.8	35
2720	BMP signaling in axon regeneration. <i>Current Opinion in Neurobiology</i> , 2014, 27, 127-134.	2.0	37

#	ARTICLE	IF	CITATIONS
2721	Uterine epithelial cell proliferation and endometrial hyperplasia: evidence from a mouse model. <i>Molecular Human Reproduction</i> , 2014, 20, 776-786.	1.3	37
2722	Losartan prevents acquired epilepsy via TGF $\beta$ <sup>2</sup> signaling suppression. <i>Annals of Neurology</i> , 2014, 75, 864-875.	2.8	216
2723	Specific control of BMP signaling and mesenchymal differentiation by cytoplasmic phosphatase PPM1H. <i>Cell Research</i> , 2014, 24, 727-741.	5.7	29
2724	TGF $\beta$ <sup>1</sup> Regulation of Multidrug Resistance P-glycoprotein in the Developing Male Blood-Brain Barrier. <i>Endocrinology</i> , 2014, 155, 475-484.	1.4	31
2725	TGF $\beta$ <sup>2</sup> Activation and Function in Immunity. <i>Annual Review of Immunology</i> , 2014, 32, 51-82.	9.5	649
2726	The microRNA networks of TGF $\beta$ <sup>2</sup> signaling in cancer. <i>Tumor Biology</i> , 2014, 35, 2857-2869.	0.8	20
2727	A Smad Signaling Network Regulates Islet Cell Proliferation. <i>Diabetes</i> , 2014, 63, 224-236.	0.3	64
2728	New targets for mucosal healing and therapy in inflammatory bowel diseases. <i>Mucosal Immunology</i> , 2014, 7, 6-19.	2.7	263
2729	Activation of extracellular signal-regulated kinase 1/2 and Sp1 may contribute to the expression of tissue inhibitor of metalloproteinases-1 induced by transforming growth factor- $\beta$ <sup>2</sup> 1 in human pulmonary arterial smooth muscle cells. <i>Cytotherapy</i> , 2014, 16, 225-233.	0.3	4
2730	TALE transcription factors during early development of the vertebrate brain and eye. <i>Developmental Dynamics</i> , 2014, 243, 99-116.	0.8	28
2731	Signaling Roadmap Modulating Naive and Primed Pluripotency. <i>Stem Cells and Development</i> , 2014, 23, 193-208.	1.1	48
2732	Single $\beta$ -Actin mRNA Detection in Neurons Reveals a Mechanism for Regulating Its Translatability. <i>Science</i> , 2014, 343, 419-422.	6.0	276
2733	Endothelial Cell-Derived Angiopoietin-2 Controls Liver Regeneration as a Spatiotemporal Rheostat. <i>Science</i> , 2014, 343, 416-419.	6.0	250
2734	Smad and NFAT Pathways Cooperate To Induce CD103 Expression in Human CD8 T Lymphocytes. <i>Journal of Immunology</i> , 2014, 192, 2471-2479.	0.4	64
2735	New Insights Into Molecular Mechanisms of Diabetic Kidney Disease. <i>American Journal of Kidney Diseases</i> , 2014, 63, S63-S83.	2.1	152
2736	<i>Cordyceps sinensis</i> : In vitro anti-fibrotic bioactivity of natural and cultured preparations. <i>Food Hydrocolloids</i> , 2014, 35, 444-452.	5.6	17
2737	The role of transforming growth factor (TGF)- $\beta$ <sup>2</sup> in modulating the immune response and fibrogenesis in the gut. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 45-55.	3.2	81
2738	Oocyte-derived BMP15 but not GDF9 down-regulates connexin43 expression and decreases gap junction intercellular communication activity in immortalized human granulosa cells. <i>Molecular Human Reproduction</i> , 2014, 20, 373-383.	1.3	67

#	ARTICLE	IF	CITATIONS
2739	Topical application of ALK5 inhibitor A-83-01 reduces burn wound contraction in rats by suppressing myofibroblast population. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1805-1812.	0.6	3
2740	Inactivation of the Transcription Factor GLI1 Accelerates Pancreatic Cancer Progression. <i>Journal of Biological Chemistry</i> , 2014, 289, 16516-16525.	1.6	22
2741	Reversal of diabetes with insulin-producing cells derived in vitro from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2014, 32, 1121-1133.	9.4	1,253
2742	SERPINB3 is associated with TGF- $\beta$ 1 and cytoplasmic $\beta$ -catenin expression in hepatocellular carcinomas with poor prognosis. <i>British Journal of Cancer</i> , 2014, 110, 2708-2715.	2.9	57
2743	Akt Suppression of TGF- $\beta$ 2 Signaling Contributes to the Maintenance of Vascular Identity in Embryonic Stem Cell-Derived Endothelial Cells. <i>Stem Cells</i> , 2014, 32, 177-190.	1.4	20
2744	BMP4/Smad Signaling Pathway Induces the Differentiation of Mouse Spermatogonial Stem Cells via Upregulation of Sohlh2. <i>Anatomical Record</i> , 2014, 297, 749-757.	0.8	26
2745	Metastatic Heterogeneity of Breast Cancer Cells Is Associated with Expression of a Heterogeneous TGF- $\beta$ 2-Activating miR424-503 Gene Cluster. <i>Cancer Research</i> , 2014, 74, 6107-6118.	0.4	39
2746	In silico identification of potential therapeutic targets in the TGF- $\beta$ 2 signal transduction pathway. <i>Molecular BioSystems</i> , 2014, 10, 537.	2.9	6
2747	Profile of Yigong Shi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16234-16235.	3.3	0
2748	Nanotopographical Induction of Osteogenesis through Adhesion, Bone Morphogenic Protein Cosignaling, and Regulation of MicroRNAs. <i>ACS Nano</i> , 2014, 8, 9941-9953.	7.3	129
2749	Nucleocytoplasmic shuttling: a common theme in mechanotransduction. <i>Biochemical Society Transactions</i> , 2014, 42, 645-649.	1.6	19
2750	Downregulation of Sox9 Expression Associates with Hepatogenic Differentiation of Human Liver Mesenchymal Stem/Progenitor Cells. <i>Stem Cells and Development</i> , 2014, 23, 1377-1391.	1.1	28
2751	The Role of PIN1 on Odontogenic and Adipogenic Differentiation in Human Dental Pulp Stem Cells. <i>Stem Cells and Development</i> , 2014, 23, 618-630.	1.1	38
2752	The growth factors involved in flexor tendon repair and adhesion formation. <i>Journal of Hand Surgery: European Volume</i> , 2014, 39, 60-70.	0.5	49
2753	The Role of TGF- $\beta$ 2 Signaling in Wound Epithelialization. <i>Advances in Wound Care</i> , 2014, 3, 482-491.	2.6	131
2754	Is "Fibrodysplasia Ossificans Progressiva" a Vascular Disease? A Groundbreaking Pathogenic Model. <i>Reumatología Clínica (English Edition)</i> , 2014, 10, 389-395.	0.2	3
2755	¿Es la "fibrodysplasia osificante progresiva" una enfermedad de origen vascular? Un modelo patogénico innovador. <i>Reumatología Clínica</i> , 2014, 10, 389-395.	0.2	4
2756	Smad1 transcription factor integrates BMP2 and Wnt3a signals in migrating cardiac progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7337-7342.	3.3	40

#	ARTICLE	IF	CITATIONS
2757	C-terminal Domain (CTD) Small Phosphatase-like 2 Modulates the Canonical Bone Morphogenetic Protein (BMP) Signaling and Mesenchymal Differentiation via Smad Dephosphorylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 26441-26450.	1.6	32
2758	Expression of anti-M $\beta$ 1411erian hormone in letrozole rat model of polycystic ovary syndrome. <i>Gynecological Endocrinology</i> , 2014, 30, 885-889.	0.7	12
2759	Targeting the transforming growth factor (TGF)- $\beta$ 2 cascade in the remodeling heart: Benefits and perils. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 169-171.	0.9	22
2760	Ureic clearance granule, alleviates renal dysfunction and tubulointerstitial fibrosis by promoting extracellular matrix degradation in renal failure rats, compared with enalapril. <i>Journal of Ethnopharmacology</i> , 2014, 155, 1541-1552.	2.0	23
2761	Taiwanese Green Propolis and Propolin G Protect the Liver from the Pathogenesis of Fibrosis via Eliminating TGF- $\beta$ 2-Induced Smad2/3 Phosphorylation. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3192-3201.	2.4	28
2762	Exploring differentially expressed genes in the ovaries of uniparous and multiparous goats using the RNA-Seq (Quantification) method. <i>Gene</i> , 2014, 550, 148-153.	1.0	28
2763	Life, career, and structural biology. <i>Physica Scripta</i> , 2014, 89, 068004.	1.2	1
2764	The protective effects of Schisandra chinensis fruit extract and its lignans against cardiovascular disease: A review of the molecular mechanisms. <i>F<math>\ddot{A}</math>-totera<math>\ddot{A}</math>-<math>\ddot{A}</math>c</i> , 2014, 97, 224-233.	1.1	101
2765	Partial loss of Smad7 function impairs bone remodeling, osteogenesis and enhances osteoclastogenesis in mice. <i>Bone</i> , 2014, 67, 46-55.	1.4	28
2766	The emerging roles of deubiquitylating enzymes (DUBs) in the TGF $\beta$ 2 and BMP pathways. <i>Cellular Signalling</i> , 2014, 26, 2186-2192.	1.7	30
2767	BMP4 Promotes EMT and Mesodermal Commitment in Human Embryonic Stem Cells via SLUG and MSX2. <i>Stem Cells</i> , 2014, 32, 636-648.	1.4	74
2768	Defining a therapeutic window for the novel TGF $\beta$ 2 inhibitor LY2157299 monohydrate based on a pharmacokinetic/pharmacodynamic model. <i>British Journal of Clinical Pharmacology</i> , 2014, 77, 796-807.	1.1	69
2769	The Genetics of Pulmonary Arterial Hypertension. <i>Circulation Research</i> , 2014, 115, 189-202.	2.0	148
2770	Bioinformatic approaches to augment study of epithelial-to-mesenchymal transition in lung cancer. <i>Physiological Genomics</i> , 2014, 46, 699-724.	1.0	26
2771	Understanding the Pathobiology of Head and Neck Squamous Cell Carcinoma. <i>Current Oral Health Reports</i> , 2014, 1, 196-203.	0.5	2
2772	Proteomic analysis of human vitreous humor. <i>Clinical Proteomics</i> , 2014, 11, 29.	1.1	114
2773	MicroRNAs and post-transcriptional regulation of skeletal development. <i>Journal of Molecular Endocrinology</i> , 2014, 52, R179-R197.	1.1	55
2774	Structure-Activity Relationship of 3,5-Diaryl-2-aminopyridine ALK2 Inhibitors Reveals Unaltered Binding Affinity for Fibrodysplasia Ossificans Progressiva Causing Mutants. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7900-7915.	2.9	84



#	ARTICLE	IF	CITATIONS
2775	Biological Activity Differences between TGF- $\beta$ 1 and TGF- $\beta$ 3 Correlate with Differences in the Rigidity and Arrangement of Their Component Monomers. <i>Biochemistry</i> , 2014, 53, 5737-5749.	1.2	54
2776	ALK5-dependent TGF- $\beta$ 2 signaling is a major determinant of late-stage adult neurogenesis. <i>Nature Neuroscience</i> , 2014, 17, 943-952.	7.1	84
2777	TGF- $\beta$ 2 signaling in cartilage development and maintenance. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2014, 102, 37-51.	3.6	217
2778	Inhibition of BMP2-Induced Bone Formation by the p50 Subunit of NF- $\kappa$ B via an Interaction With Smad4. <i>Molecular Endocrinology</i> , 2014, 28, 1460-1470.	3.7	40
2779	Smad3 signaling activates bone marrow-derived fibroblasts in renal fibrosis. <i>Laboratory Investigation</i> , 2014, 94, 545-556.	1.7	35
2780	Simultaneous delivery of doxorubicin and curcumin encapsulated in liposomes of pegylated RGDK-lipopeptide to tumor vasculature. <i>Biomaterials</i> , 2014, 35, 1643-1656.	5.7	113
2781	Combinatorial actions of Tgf- $\beta$ 2 and Activin ligands promote oligodendrocyte development and CNS myelination. <i>Development (Cambridge)</i> , 2014, 141, 2414-2428.	1.2	30
2782	Canonical BMP- $\beta$ 1/Smad Signaling Promotes Neurite Growth in Rat Midbrain Dopaminergic Neurons. <i>NeuroMolecular Medicine</i> , 2014, 16, 473-489.	1.8	46
2783	The Transcriptional Regulators TAZ and YAP Direct Transforming Growth Factor $\beta$ 2-induced Tumorigenic Phenotypes in Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 13461-13474.	1.6	202
2784	Myostatin Augments Muscle-Specific Ring Finger Protein-1 Expression Through an NF- $\kappa$ B Independent Mechanism in SMAD3 Null Muscle. <i>Molecular Endocrinology</i> , 2014, 28, 317-330.	3.7	36
2785	Platelet-derived Growth Factor $\beta$ 2-Receptor, Transforming Growth Factor $\beta$ 2 Type I Receptor, and CD44 Protein Modulate Each Other's Signaling and Stability. <i>Journal of Biological Chemistry</i> , 2014, 289, 19747-19757.	1.6	60
2786	Role of Activin-A and Myostatin and Their Signaling Pathway in Human Myometrial and Leiomyoma Cell Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E775-E785.	1.8	69
2787	Nitrated fatty acids reverse pulmonary fibrosis by dedifferentiating myofibroblasts and promoting collagen uptake by alveolar macrophages. <i>FASEB Journal</i> , 2014, 28, 5299-5310.	0.2	66
2788	Adverse fibrosis in the aging heart depends on signaling between myeloid and mesenchymal cells; role of inflammatory fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 70, 56-63.	0.9	57
2789	Astrocytic TGF- $\beta$ 2 Signaling Limits Inflammation and Reduces Neuronal Damage during Central Nervous System <i>Toxoplasma</i> Infection. <i>Journal of Immunology</i> , 2014, 193, 139-149.	0.4	113
2790	Diabetes and Cancer. <i>Endocrinology and Metabolism Clinics of North America</i> , 2014, 43, 167-185.	1.2	48
2791	Anti-tumor activity of non-steroidal anti-inflammatory drugs: Cyclooxygenase-independent targets. <i>Cancer Letters</i> , 2014, 346, 217-224.	3.2	99
2792	Effect of plasma-irradiated silk fibroin in bone regeneration. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 333-340.	1.1	20

#	ARTICLE	IF	CITATIONS
2793	FGFR3 induces degradation of BMP type I receptor to regulate skeletal development. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1237-1247.	1.9	40
2794	The induction of bone formation by the recombinant human transforming growth factor- $\beta$ 3. <i>Biomaterials</i> , 2014, 35, 2773-2788.	5.7	39
2795	Effect of pirfenidone on proliferation, TGF- $\beta$ -induced myofibroblast differentiation and fibrogenic activity of primary human lung fibroblasts. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 58, 13-19.	1.9	281
2796	R-268712, an orally active transforming growth factor- $\beta$ type I receptor inhibitor, prevents glomerular sclerosis in a Th1 nephritis model. <i>European Journal of Pharmacology</i> , 2014, 734, 60-66.	1.7	13
2797	A systems toxicology approach to the surface functionality control of graphene-cell interactions. <i>Biomaterials</i> , 2014, 35, 1109-1127.	5.7	239
2798	Gene expression responses in human lung fibroblasts exposed to alpha particle radiation. <i>Toxicology in Vitro</i> , 2014, 28, 1222-1229.	1.1	19
2799	Primary cilia in pancreatic development and disease. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2014, 102, 139-158.	3.6	39
2800	The Pur $\alpha$ /Pur $\beta$ Single-Strand DNA-Binding Proteins Attenuate Smooth Muscle Actin Gene Transactivation in Myofibroblasts. <i>Journal of Cellular Physiology</i> , 2014, 229, 1256-1271.	2.0	22
2801	Induction of galectin-1 by TGF- $\beta$ 1 accelerates fibrosis through enhancing nuclear retention of Smad2. <i>Experimental Cell Research</i> , 2014, 326, 125-135.	1.2	51
2802	TMEPAI inhibits TGF- $\beta$ signaling by promoting lysosome degradation of TGF- $\beta$ receptor and contributes to lung cancer development. <i>Cellular Signalling</i> , 2014, 26, 2030-2039.	1.7	29
2803	Gtpbp2 is required for BMP signaling and mesoderm patterning in <i>Xenopus</i> embryos. <i>Developmental Biology</i> , 2014, 392, 358-367.	0.9	14
2804	Transforming growth factor- $\beta$ (TGF- $\beta$ ) induces the expression of chondrogenesis-related genes through TGF- $\beta$ receptor II (TGFR $\beta$ II)-AKT-mTOR signaling in primary cultured mouse precartilaginous stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 646-651.	1.0	18
2805	Heart Failure With Preserved Ejection Fraction. <i>Circulation Research</i> , 2014, 115, 97-107.	2.0	154
2806	Effects of different transforming growth factor beta (TGF- $\beta$ ) isomers on wound closure of bone cell monolayers. <i>Cytokine</i> , 2014, 69, 75-86.	1.4	15
2807	Vertical bone augmentation procedures: Basics and techniques in dental implantology. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 1605-1613.	2.1	46
2808	Overexpression of Smad2 inhibits proliferation of gingival epithelial cells. <i>Journal of Periodontal Research</i> , 2014, 49, 290-298.	1.4	14
2809	High Throughput Screening in Duchenne Muscular Dystrophy: From Drug Discovery to Functional Genomics. <i>Biology</i> , 2014, 3, 752-780.	1.3	12
2810	Methylated +58CpG site decreases DCN mRNA expression and enhances TGF- $\beta$ /Smad signaling in NSCLC cells with high metastatic potential. <i>International Journal of Oncology</i> , 2014, 44, 874-882.	1.4	23

#	ARTICLE	IF	CITATIONS
2811	Fibrodysplasia Ossificans Progressiva: Clinical Course, Genetic Mutations and Genotype-Phenotype Correlation. <i>Molecular Syndromology</i> , 2014, 5, 201-211.	0.3	78
2812	Cloning of <i>Tgfr1</i> and <i>Tgfr2</i> and Likely Exclusion as Loci of Origin in a Rabbit Craniosynostotic Model. <i>Cleft Palate-Craniofacial Journal</i> , 2014, 51, 56-69.	0.5	6
2813	HFE interacts with the BMP type I receptor ALK3 to regulate hepcidin expression. <i>Blood</i> , 2014, 124, 1335-1343.	0.6	110
2814	S-allylmercaptocysteine promotes MAPK inhibitor-induced apoptosis by activating the TGF- $\beta$ 2 signaling pathway in cancer cells. <i>Oncology Reports</i> , 2014, 32, 1124-1132.	1.2	30
2815	Crosstalk between the p38 and TGF- $\beta$ 2 signaling pathways through <i>TGFR1</i> , <i>TGFR2</i> and Smad3 expression in placental choriocarcinoma JEG-3 cells. <i>Oncology Letters</i> , 2014, 8, 1307-1311.	0.8	19
2816	Smad-induced alterations of matrix metabolism by a myristoyl tetra peptide. <i>Cell Biochemistry and Function</i> , 2014, 32, 665-674.	1.4	8
2817	TGF- $\beta$ /Smad signaling during hepatic fibro-carcinogenesis (Review). <i>International Journal of Oncology</i> , 2014, 45, 1363-1371.	1.4	109
2818	Suppression of the TGF- $\beta$ /Smad signaling pathway and inhibition of hepatic stellate cell proliferation play a role in the hepatoprotective effects of curcumin against alcohol-induced hepatic fibrosis. <i>International Journal of Molecular Medicine</i> , 2014, 34, 1110-1116.	1.8	42
2819	A novel variation of <i>GDF3</i> in Chinese Han children with a broad phenotypic spectrum of non-syndromic CHDs. <i>Cardiology in the Young</i> , 2015, 25, 1263-1267.	0.4	5
2820	PUFA diets alter the microRNA expression profiles in an inflammation rat model. <i>Molecular Medicine Reports</i> , 2015, 11, 4149-4157.	1.1	36
2821	The immunoregulatory and fibrotic roles of activin A in allergic asthma. <i>Clinical and Experimental Allergy</i> , 2015, 45, 1510-1522.	1.4	35
2822	Cytoskeletal signaling in TGF- $\beta$ -induced epithelial-mesenchymal transition. <i>Cytoskeleton</i> , 2015, 72, 557-569.	1.0	41
2823	Transforming growth factor- $\beta$ 2 signaling enhancement by long-term exposure to hypoxia in a tumor microenvironment composed of Lewis lung carcinoma cells. <i>Cancer Science</i> , 2015, 106, 1524-1533.	1.7	29
2824	Role of TGF- $\beta$ 2 in regulation of the tumor microenvironment and drug delivery (Review). <i>International Journal of Oncology</i> , 2015, 46, 933-943.	1.4	160
2825	Regulators and effectors of bone morphogenetic protein signalling in the cardiovascular system. <i>Journal of Physiology</i> , 2015, 593, 2995-3011.	1.3	23
2826	Downregulation of the expression of inhibin $\beta$ subunit and betaglycan in porcine cystic follicles. <i>Journal of Veterinary Medical Science</i> , 2015, 77, 1419-1425.	0.3	11
2827	Transforming growth factor- $\beta$ 1 induces type II collagen and aggrecan expression via activation of extracellular signal-regulated kinase 1/2 and Smad2/3 signaling pathways. <i>Molecular Medicine Reports</i> , 2015, 12, 5573-5579.	1.1	46
2828	Study of the association of the T869C polymorphism of the transforming growth factor- $\beta$ 1 gene with polycystic ovary syndrome. <i>Molecular Medicine Reports</i> , 2015, 12, 4560-4565.	1.1	4

#	ARTICLE	IF	CITATIONS
2829	TGF- $\beta$ 2 Induces Up-Regulation of Chondroitin Sulfate Synthase 1 (CHSY1) in Nucleus Pulposus Cells Through MAPK Signaling. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 793-804.	1.1	21
2831	Evaluation of follistatin as a therapeutic in models of skeletal muscle atrophy associated with denervation and tenotomy. <i>Scientific Reports</i> , 2015, 5, 17535.	1.6	29
2832	Effects of high voltage pulsed current stimulation with a visible contraction intensity on expression of TGF- $\beta$ 21 and synthesis of type I collagen in wound-induced white rats. <i>Journal of Physical Therapy Science</i> , 2015, 27, 1485-1490.	0.2	13
2833	MicroRNA-590 is an EMT-suppressive microRNA involved in the TGF- $\beta$ 2 signaling pathway. <i>Molecular Medicine Reports</i> , 2015, 12, 7403-7411.	1.1	29
2834	Downregulation of gangliotetraosylceramide and $\beta$ 1,3-galactosyltransferase-4 gene expression by Smads during transforming growth factor $\beta$ 2-induced epithelial-mesenchymal transition. <i>Molecular Medicine Reports</i> , 2015, 11, 2241-2247.	1.1	12
2835	Relationship between Sloan-Kettering virus expression and mammalian follicular development. <i>Zygote</i> , 2015, , 1-9.	0.5	0
2836	Copy number variation in exportin-4 (XPO4) gene and its association with histological severity of non-alcoholic fatty liver disease. <i>Scientific Reports</i> , 2015, 5, 13306.	1.6	6
2837	miR-95p suppresses pro-fibrogenic transformation of fibroblasts and prevents organ fibrosis by targeting <i>NOX4</i> and <i>TGFBR2</i> . <i>EMBO Reports</i> , 2015, 16, 1358-1377.	2.0	87
2838	Activation of the ALK-5 Pathway is not per se Sufficient for the Antiproliferative Effect of TGF- $\beta$ 21 on Renal Tubule Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 1231-1239.	1.1	4
2840	FGF, Insulin, and SMAD Signaling Cooperate for Avian Primordial Germ Cell Self-Renewal. <i>Stem Cell Reports</i> , 2015, 5, 1171-1182.	2.3	123
2841	TGF- $\beta$ 2 isoforms and receptors mRNA expression in breast tumours: prognostic value and clinical implications. <i>BMC Cancer</i> , 2015, 15, 1010.	1.1	25
2842	Beclin 1 regulates neuronal transforming growth factor- $\beta$ 2 signaling by mediating recycling of the type I receptor ALK5. <i>Molecular Neurodegeneration</i> , 2015, 10, 69.	4.4	28
2843	Transforming growth factor- $\beta$ 2 increases interleukin-13 synthesis via GATA-3 transcription factor in T-lymphocytes from patients with systemic sclerosis. <i>Arthritis Research and Therapy</i> , 2015, 17, 196.	1.6	22
2844	Co-expression of parathyroid hormone related protein and TGF-beta in breast cancer predicts poor survival outcome. <i>BMC Cancer</i> , 2015, 15, 925.	1.1	17
2845	Histone methylation levels correlate with TGF $\beta$ 1p and extracellular matrix gene expression in normal and granular corneal dystrophy type 2 corneal fibroblasts. <i>BMC Medical Genomics</i> , 2015, 8, 74.	0.7	10
2846	Dysregulated TGF- $\beta$ 2 signaling alters bone microstructure in a mouse model of Loey's-Dietz syndrome. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1447-1454.	1.2	11
2847	Mutations Analysis of the Growth Differentiation Factor 9 Gene in Syrian Women with Ovarian Failure. <i>International Journal of Human Genetics</i> , 2015, 15, 139-144.	0.1	0
2848	Pulmonary Arterial Hypertension: A Current Perspective on Established and Emerging Molecular Genetic Defects. <i>Human Mutation</i> , 2015, 36, 1113-1127.	1.1	185

#	ARTICLE	IF	CITATIONS
2849	Phenotypic plasticity and epithelial-to-mesenchymal transition in the behaviour and therapeutic response of oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2015, 44, 649-655.	1.4	20
2850	miR-30d Blocked Transforming Growth Factor $\beta$ 1-Induced Epithelial-Mesenchymal Transition by Targeting Snail in Ovarian Cancer Cells. <i>International Journal of Gynecological Cancer</i> , 2015, 25, 1574-1581.	1.2	49
2851	Betaglycan knockdown causes embryonic angiogenesis defects in zebrafish. <i>Genesis</i> , 2015, 53, 583-603.	0.8	12
2852	Canonical Wnt signaling in the oligodendroglial lineage-puzzles remain. <i>Glia</i> , 2015, 63, 1671-1693.	2.5	111
2853	Inhibitory Effect of Tranilast on Transforming Growth Factor-Beta-Induced Protein in Granular Corneal Dystrophy Type 2 Corneal Fibroblasts. <i>Cornea</i> , 2015, 34, 950-958.	0.9	6
2854	The TGF- $\beta$ /Smad System in IBD Pathogenesis. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 2921-2925.	0.9	50
2855	MicroRNA-301a-3p promotes pancreatic cancer progression via negative regulation of <i>SMAD4</i> . <i>Oncotarget</i> , 2015, 6, 21046-21063.	0.8	74
2856	Identification of the proliferative effect of Smad2 and 3 in the TGF- $\beta$ /Smad signaling pathway using RNA interference in a glioma cell line. <i>Molecular Medicine Reports</i> , 2015, 12, 1824-1828.	1.1	11
2857	Impact and significance of EGCG on Smad, ERK, and $\beta$ -catenin pathways in transdifferentiation of renal tubular epithelial cells. <i>Genetics and Molecular Research</i> , 2015, 14, 2551-2560.	0.3	4
2858	Dragon (repulsive guidance molecule b, RGMb) is a novel gene that promotes colorectal cancer growth. <i>Oncotarget</i> , 2015, 6, 20540-20554.	0.8	25
2859	HOXA13 is a potential GBM diagnostic marker and promotes glioma invasion by activating the Wnt and TGF- $\beta$ pathways. <i>Oncotarget</i> , 2015, 6, 27778-27793.	0.8	84
2860	Role of TGF- $\beta$ 1 in the Behavior Disorders. <i>Advances in Neuroimmune Biology</i> , 2015, 6, 19-23.	0.7	2
2861	The Role of Indoleamine 2, 3-Dioxygenase in Immune Suppression and Autoimmunity. <i>Vaccines</i> , 2015, 3, 703-729.	2.1	285
2862	A Tale from TGF- $\beta$ Superfamily for Thymus Ontogeny and Function. <i>Frontiers in Immunology</i> , 2015, 6, 442.	2.2	13
2863	Signaling in Fibrosis: TGF- $\beta$ , WNT, and YAP/TAZ Converge. <i>Frontiers in Medicine</i> , 2015, 2, 59.	1.2	350
2864	Bone morphogenetic protein signaling in vertebrate motor neurons and neuromuscular communication. <i>Frontiers in Cellular Neuroscience</i> , 2015, 8, 453.	1.8	8
2865	Epithelial-to-Mesenchymal Plasticity Harnesses Endocytic Circuitries. <i>Frontiers in Oncology</i> , 2015, 5, 45.	1.3	43
2866	Possibility of small-molecule-based pharmacotherapy for sarcopenia. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2015, 4, 73-82.	0.2	2

#	ARTICLE	IF	CITATIONS
2867	Aldose Reductase Mediates Transforming Growth Factor $\beta$ 2 (TGF- $\beta$ 2)â€“Induced Migration and Epithelial-To-Mesenchymal Transition of Lens-Derived Epithelial Cells. , 2015, 56, 4198.		35
2868	Prognostic implication of the loss of TGFBR2 expression in oral carcinoma. <i>Neoplasma</i> , 2015, 62, 398-404.	0.7	4
2869	Targeting Transcriptional Regulators of CD8+ T Cell Dysfunction to Boost Anti-Tumor Immunity. <i>Vaccines</i> , 2015, 3, 771-802.	2.1	11
2870	Human Cerberus Prevents Nodal-Receptor Binding, Inhibits Nodal Signaling, and Suppresses Nodal-Mediated Phenotypes. <i>PLoS ONE</i> , 2015, 10, e0114954.	1.1	28
2871	SMAD-Independent Down-Regulation of Caveolin-1 by TGF- $\beta$ 2: Effects on Proliferation and Survival of Myofibroblasts. <i>PLoS ONE</i> , 2015, 10, e0116995.	1.1	41
2872	An Inducible TGF- $\beta$ 2-TGF $\beta$ 2R Pathway Modulates the Sensitivity of HNSCC Cells to Tyrosine Kinase Inhibitors Targeting Dominant Receptor Tyrosine Kinases. <i>PLoS ONE</i> , 2015, 10, e0123600.	1.1	5
2873	TGF-Beta Negatively Regulates the BMP2-Dependent Early Commitment of Periodontal Ligament Cells into Hard Tissue Forming Cells. <i>PLoS ONE</i> , 2015, 10, e0125590.	1.1	25
2874	Gene Regulatory Mechanisms Underlying the Spatial and Temporal Regulation of Target-Dependent Gene Expression in <i>Drosophila</i> Neurons. <i>PLoS Genetics</i> , 2015, 11, e1005754.	1.5	8
2875	Functional and splicing defect analysis of 23 ACVRL1 mutations in a cohort of patients affected by Hereditary Hemorrhagic Telangiectasia. <i>PLoS ONE</i> , 2015, 10, e0132111.	1.1	21
2876	Dysregulation of the Transforming Growth Factor $\beta$ 2 Pathway in Induced Pluripotent Stem Cells Generated from Patients with Diamond Blackfan Anemia. <i>PLoS ONE</i> , 2015, 10, e0134878.	1.1	27
2877	AFAP1 Is a Novel Downstream Mediator of TGF- $\beta$ 1 for CCN2 Induction in Osteoblasts. <i>PLoS ONE</i> , 2015, 10, e0136712.	1.1	11
2878	Attenuation of Cerebral Ischemic Injury in Smad1 Deficient Mice. <i>PLoS ONE</i> , 2015, 10, e0136967.	1.1	6
2879	Forebrain-Specific Loss of BMPRII in Mice Reduces Anxiety and Increases Object Exploration. <i>PLoS ONE</i> , 2015, 10, e0139860.	1.1	15
2880	TGF- $\beta$ 2/Smad signaling in renal fibrosis. <i>Frontiers in Physiology</i> , 2015, 6, 82.	1.3	541
2881	A Role for the Non-Canonical Wnt- $\beta$ -Catenin and TGF- $\beta$ 2 Signaling Pathways in the Induction of Tolerance during the Establishment of a <i>Salmonella enterica</i> Serovar Enteritidis Persistent Cecal Infection in Chickens. <i>Frontiers in Veterinary Science</i> , 2015, 2, 33.	0.9	31
2882	FBXO32, a new TGF- $\beta$ 2/Smad signaling pathway target gene, is epigenetically inactivated in gastric cardia adenocarcinoma. <i>Neoplasma</i> , 2015, 62, 646-657.	0.7	28
2884	TGF- $\beta$ 2 Signaling in Tumor Initiation, Epithelial-to-Mesenchymal Transition, and Metastasis. <i>Journal of Oncology</i> , 2015, 2015, 1-15.	0.6	177
2885	Global Gene Expression Profiling and Alternative Splicing Events during the Chondrogenic Differentiation of Human Cartilage Endplate-Derived Stem Cells. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	8

#	ARTICLE	IF	CITATIONS
2886	Hexosamine-Induced TGF- $\beta$ Signaling and Osteogenic Differentiation of Dental Pulp Stem Cells Are Dependent on N-Acetylglucosaminyltransferase V. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	9
2887	TGF-Beta Blockade Increases Renal Inflammation Caused by the C-Terminal Module of the CCN2. <i>Mediators of Inflammation</i> , 2015, 2015, 1-10.	1.4	16
2888	Cellular and Molecular Mechanisms of Palatogenesis. <i>Current Topics in Developmental Biology</i> , 2015, 115, 59-84.	1.0	90
2889	The Review on Properties of Aloe Vera in Healing of Cutaneous Wounds. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	126
2890	The Regulatory Role of MicroRNAs in EMT and Cancer. <i>Journal of Oncology</i> , 2015, 2015, 1-13.	0.6	234
2891	TGF $\beta$ and BMP signaling in cancer. , 2015, , 204-221.		1
2892	MicroRNA-205 Promotes Cell Proliferation of Non-Small Cell Lung Cancer by Targeting Smad4. <i>Journal of Clinical &amp; Cellular Immunology</i> , 2015, 06, .	1.5	1
2894	Gene Expression Regulation and Pathway Analysis After Valproic Acid and Carbamazepine Exposure in a Human Embryonic Stem Cell-Based Neurodevelopmental Toxicity Assay. <i>Toxicological Sciences</i> , 2015, 146, 311-320.	1.4	29
2895	Internalization of the TGF- $\beta$ type I receptor into caveolin-1 and EEA1 double-positive early endosomes. <i>Cell Research</i> , 2015, 25, 738-752.	5.7	72
2896	Testing differential networks with applications to the detection of gene-gene interactions. <i>Biometrika</i> , 2015, 102, 247-266.	1.3	74
2897	TGF $\beta$ 1 exacerbates blood-brain barrier permeability in a mouse model of hepatic encephalopathy via upregulation of MMP9 and downregulation of claudin-5. <i>Laboratory Investigation</i> , 2015, 95, 903-913.	1.7	77
2898	Repulsive guidance molecule is a structural bridge between neogenin and bone morphogenetic protein. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 458-465.	3.6	78
2899	MicroRNA-129-5p modulates epithelial-to-mesenchymal transition by targeting SIP1 and SOX4 during peritoneal dialysis. <i>Laboratory Investigation</i> , 2015, 95, 817-832.	1.7	51
2900	Whole-exome SNP array identifies 15 new susceptibility loci for psoriasis. <i>Nature Communications</i> , 2015, 6, 6793.	5.8	118
2901	Epithelial-mesenchymal transition in colorectal cancer metastasis: A system review. <i>Pathology Research and Practice</i> , 2015, 211, 557-569.	1.0	307
2902	The adipocyte clock controls brown adipogenesis via TGF- $\beta$ /BMP signaling pathway. <i>Journal of Cell Science</i> , 2015, 128, 1835-47.	1.2	63
2903	The role of TGF $\beta$ 1 and LRG1 in cardiac remodelling and heart failure. <i>Biophysical Reviews</i> , 2015, 7, 91-104.	1.5	47
2904	Harnessing RNAi to Silence Viral Gene Expression. , 2015, , 29-61.		1

#	ARTICLE	IF	CITATIONS
2905	Amelioration of High Fat Diet-induced Glucose Intolerance by Blockade of Smad4 in Pancreatic Beta-Cells. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2015, 123, 221-226.	0.6	5
2906	Cutting the brakes on hematopoietic regeneration by blocking TGF $\beta$ 2 to limit chemotherapy-induced myelosuppression. <i>Molecular and Cellular Oncology</i> , 2015, 2, e978703.	0.3	5
2907	T $\beta$ RIII independently binds type I and type II TGF $\beta$ 2 receptors to inhibit TGF $\beta$ 2 signaling. <i>Molecular Biology of the Cell</i> , 2015, 26, 3535-3545.	0.9	28
2908	DDB2 modulates TGF $\beta$ 2 signal transduction in human ovarian cancer cells by downregulating NEDD4L. <i>Nucleic Acids Research</i> , 2015, 43, 7838-7849.	6.5	36
2909	Structural basis for the Smad5 MH1 domain to recognize different DNA sequences. <i>Nucleic Acids Research</i> , 2015, 43, 9051-9064.	6.5	17
2910	Association of TGFBR2 rs6785358 Polymorphism with Increased Risk of Congenital Ventricular Septal Defect in a Chinese Population. <i>Pediatric Cardiology</i> , 2015, 36, 1476-1482.	0.6	6
2911	The cytokine milieu of diabetic wounds. <i>Diabetes Management</i> , 2015, 5, 525-537.	0.5	25
2912	Role of fibrogenic and inflammatory cytokines in HCV-induced fibrosis. <i>Future Virology</i> , 2015, 10, 1307-1319.	0.9	0
2913	Recombinant Human Bone Morphogenetic Protein 6 Enhances Oocyte Reprogramming Potential and Subsequent Development of the Cloned Yak Embryos. <i>Cellular Reprogramming</i> , 2015, 17, 484-493.	0.5	8
2914	Cardiac stem cells transplantation enhances the expression of connexin 43 via the ANG II/AT1R/TGF-beta1 signaling pathway in a rat model of myocardial infarction. <i>Experimental and Molecular Pathology</i> , 2015, 99, 693-701.	0.9	8
2915	TGF $\beta$ 2 signalopathies as a paradigm for translational medicine. <i>European Journal of Medical Genetics</i> , 2015, 58, 695-703.	0.7	39
2916	Remotely Triggered Activation of TGF- With Magnetic Nanoparticles. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	0.6	15
2917	Hedgehog signaling is involved in the BMP9-induced osteogenic differentiation of mesenchymal stem cells. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1641-1650.	1.8	36
2918	Mitochondrial dysfunction induces EMT through the TGF $\beta$ 2/Smad/Snail signaling pathway in Hep3B hepatocellular carcinoma cells. <i>International Journal of Oncology</i> , 2015, 47, 1845-1853.	1.4	45
2919	Downregulation of p53 promotes in vitro perineural invasive activity of human salivary adenoid cystic carcinoma cells through epithelial-mesenchymal transition-like changes. <i>Oncology Reports</i> , 2015, 33, 1650-1656.	1.2	14
2920	Inhibition of TMEM45A suppresses proliferation, induces cell cycle arrest and reduces cell invasion in human ovarian cancer cells. <i>Oncology Reports</i> , 2015, 33, 3124-3130.	1.2	49
2921	Growth Differentiation Factor-8 Decreases StAR Expression Through ALK5-Mediated Smad3 and ERK1/2 Signaling Pathways in Luteinized Human Granulosa Cells. <i>Endocrinology</i> , 2015, 156, 4684-4694.	1.4	28
2922	Sodium tanshinone IIA sulfonate attenuates the transforming growth factor $\beta$ 1-induced differentiation of atrial fibroblasts into myofibroblasts in vitro. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1026-1032.	1.8	13



#	ARTICLE	IF	CITATIONS
2923	Epithelial-mesenchymal transition-associated microRNAs in colorectal cancer and drug-targeted therapies (Review). <i>Oncology Reports</i> , 2015, 33, 515-525.	1.2	27
2924	The Effect of cAMP-PKA Activation on TGF- $\beta$ 1-Induced Profibrotic Signaling. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 1911-1927.	1.1	33
2925	TGF-beta receptor type-2 expression in cancer-associated fibroblasts regulates breast cancer cell growth and survival and is a prognostic marker in pre-menopausal breast cancer. <i>Oncogene</i> , 2015, 34, 27-38.	2.6	96
2926	Cooperative induction of transmembrane prostate androgen induced protein TMEPAI/PMEPA1 by transforming growth factor- $\beta$ 2 and epidermal growth factor signaling. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 580-585.	1.0	21
2927	IL-23 and TGF- $\beta$ 1 levels as potential predictive biomarkers in treatment of bipolar I disorder with acute manic episode. <i>Journal of Affective Disorders</i> , 2015, 174, 361-366.	2.0	50
2928	Personalized risk assessment of heart failure patients: More perspectives from transforming growth factor super-family members. <i>Clinica Chimica Acta</i> , 2015, 443, 94-99.	0.5	16
2929	Paricalcitol protects against TGF- $\beta$ 1-induced fibrotic responses in hypoxia and stabilises HIF-1 $\alpha$ in renal epithelia. <i>Experimental Cell Research</i> , 2015, 330, 371-381.	1.2	16
2930	Early withdrawal of calcineurin inhibitor from a sirolimus-based immunosuppression stabilizes fibrosis and the transforming growth factor- $\beta$ 2 signalling pathway in kidney transplant. <i>Nephrology</i> , 2015, 20, 168-176.	0.7	15
2931	Osteoporosis-associated alteration in the signalling status of BMP-2 in human MSCs under adipogenic conditions. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1267-1277.	1.2	31
2932	Activin/Nodal signalling in stem cells. <i>Development (Cambridge)</i> , 2015, 142, 607-619.	1.2	147
2933	Osteoblast Menin Regulates Bone Mass in Vivo. <i>Journal of Biological Chemistry</i> , 2015, 290, 3910-3924.	1.6	29
2934	Sugar Chains. , 2015, , .		3
2935	Biomarkers and signaling pathways of colorectal cancer stem cells. <i>Tumor Biology</i> , 2015, 36, 1339-1353.	0.8	37
2936	Growth differentiation factor 8 down-regulates pentraxin 3 in human granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2015, 404, 82-90.	1.6	37
2937	Adenovirus encoding Smad4 suppresses glioma cell proliferation and increases apoptosis through cell cycle arrest at G1 phase. <i>International Immunopharmacology</i> , 2015, 25, 169-173.	1.7	4
2938	The periparturient period is associated with structural and transcriptomic adaptations of rumen papillae in dairy cattle. <i>Journal of Dairy Science</i> , 2015, 98, 2583-2595.	1.4	51
2939	Role of eukaryotic translation initiation factor 3a in bleomycin-induced pulmonary fibrosis. <i>European Journal of Pharmacology</i> , 2015, 749, 89-97.	1.7	20
2940	Molecular basis of embryonic stem cell self-renewal: from signaling pathways to pluripotency network. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 1741-1757.	2.4	121

#	ARTICLE	IF	CITATIONS
2941	Phosphorylation of innate immune adaptor proteins MAVS, STING, and TRIF induces IRF3 activation. <i>Science</i> , 2015, 347, aaa2630.	6.0	1,280
2942	Mechanisms of tumor-induced T cell immune suppression and therapeutics to counter those effects. <i>Archives of Pharmacal Research</i> , 2015, 38, 1415-1433.	2.7	14
2943	SMAD3 Negatively Regulates Serum Irisin and Skeletal Muscle FNDC5 and Peroxisome Proliferator-activated Receptor $\beta$ Coactivator 1 $\alpha$ (PGC-1 $\alpha$ ) during Exercise. <i>Journal of Biological Chemistry</i> , 2015, 290, 7671-7684.	1.6	69
2944	TGF $\beta$ 1a regulates zebrafish posterior lateral line formation via Smad5 mediated pathway. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 48-61.	1.5	14
2945	R-Smad Signaling-Mediated VEGF Expression Coordinately Regulates Endothelial Cell Differentiation of Rat Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 1320-1331.	1.1	18
2946	Neuroendocrine Control of the Ovarian Cycle of the Rat. , 2015, , 1199-1257.		34
2947	Intracellular Sphingosine 1-Phosphate Contributes to Collagen Expression of Hepatic Myofibroblasts in Human Liver Fibrosis Independent of Its Receptors. <i>American Journal of Pathology</i> , 2015, 185, 387-398.	1.9	39
2948	Physiological Actions of PTH and PTHrP III. , 2015, , 165-185.		0
2949	Multifaceted role of the ubiquitin ligase Itch in immune regulation. <i>Immunology and Cell Biology</i> , 2015, 93, 452-460.	1.0	28
2950	A Critical Role for Transcription Factor Smad4 in T Cell Function that Is Independent of Transforming Growth Factor $\beta$ Receptor Signaling. <i>Immunity</i> , 2015, 42, 68-79.	6.6	43
2951	N-cadherin mediates the migration of MCF-10A cells undergoing bone morphogenetic protein 4-mediated epithelial mesenchymal transition. <i>Tumor Biology</i> , 2015, 36, 3549-3556.	0.8	23
2952	Roles of TGF $\beta$ /Smad signaling pathway in pathogenesis and development of gluteal muscle contracture. <i>Connective Tissue Research</i> , 2015, 56, 9-17.	1.1	22
2953	TGF $\beta$ signaling in pancreatic ductal adenocarcinoma. <i>Tumor Biology</i> , 2015, 36, 1613-1618.	0.8	29
2954	A novel SMAD family protein, SMAD9 is involved in follicular initiation and changes egg yield of geese via synonymous mutations in exon1 and intron2. <i>Molecular Biology Reports</i> , 2015, 42, 289-302.	1.0	7
2955	Small Molecules Dorsomorphin and LDN-193189 Inhibit Myostatin/GDF8 Signaling and Promote Functional Myoblast Differentiation. <i>Journal of Biological Chemistry</i> , 2015, 290, 3390-3404.	1.6	46
2956	TGF $\beta$ signaling and its role in the regulation of hematopoietic stem cells. <i>Systems and Synthetic Biology</i> , 2015, 9, 1-10.	1.0	55
2957	Signaling in Tooth, Hair, and Mammary Placodes. <i>Current Topics in Developmental Biology</i> , 2015, 111, 421-459.	1.0	37
2958	Textbook of Cell Signalling in Cancer. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
2959	Muscle composition is regulated by a Lox-TGF $\beta$ 2 feedback loop. <i>Development (Cambridge)</i> , 2015, 142, 983-993.	1.2	48
2960	The immune suppressive function of transforming growth factor- $\beta$ 2 (TGF- $\beta$ 2) in human diseases. <i>Growth Factors</i> , 2015, 33, 92-101.	0.5	61
2961	Inhibition of prostatic cancer growth by ginsenoside Rh2. <i>Tumor Biology</i> , 2015, 36, 2377-2381.	0.8	31
2962	NS5ATP9 Suppresses Activation of Human Hepatic Stellate Cells, Possibly via Inhibition of Smad3/Phosphorylated-Smad3 Expression. <i>Inflammation</i> , 2015, 38, 278-289.	1.7	6
2963	TGF $\beta$ 2 Pathway. , 2015, , 67-76.		2
2964	Itch E3 Ubiquitin Ligase Positively Regulates TGF- $\beta$ 2 Signaling to EMT via Smad7 Ubiquitination. <i>Molecules and Cells</i> , 2015, 38, 20-25.	1.0	36
2965	Anti-M $\beta$ 1/4 Allergic hormone is a gonadal cytokine with two circulating forms and cryptic actions. <i>Journal of Endocrinology</i> , 2015, 226, R45-R57.	1.2	43
2966	Phase II neoadjuvant clinical trial of carboplatin and eribulin in women with triple negative early-stage breast cancer (NCT01372579). <i>Breast Cancer Research and Treatment</i> , 2015, 151, 629-638.	1.1	61
2967	RNF111/Arkadia is regulated by DNA methylation and affects TGF- $\beta$ 2/Smad signaling associated invasion in NSCLC cells. <i>Lung Cancer</i> , 2015, 90, 32-40.	0.9	15
2968	Transforming growth factor- $\beta$ 2 stimulates human ovarian cancer cell migration by up-regulating connexin43 expression via Smad2/3 signaling. <i>Cellular Signalling</i> , 2015, 27, 1956-1962.	1.7	27
2969	The DAF-7/TGF- $\beta$ 2 signaling pathway regulates abundance of the <i>Caenorhabditis elegans</i> glutamate receptor GLR-1. <i>Molecular and Cellular Neurosciences</i> , 2015, 67, 66-74.	1.0	17
2970	BMP type I receptor inhibition attenuates endothelial dysfunction in mice with chronic kidney disease. <i>Kidney International</i> , 2015, 87, 128-136.	2.6	24
2971	Activins A and B Regulate Fate-Determining Gene Expression in Islet Cell Lines and Islet Cells From Male Mice. <i>Endocrinology</i> , 2015, 156, 2440-2450.	1.4	13
2972	Exercise and Regulation of Adipokine and Myokine Production. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 135, 313-336.	0.9	118
2973	Phase II evaluation of dalantercept, a soluble recombinant activin receptor-like kinase 1 (ALK1) receptor fusion protein, for the treatment of recurrent or persistent endometrial cancer: An NRG Oncology/Gynecologic Oncology Group Study 0229N. <i>Gynecologic Oncology</i> , 2015, 138, 24-29.	0.6	40
2974	Astragaloside IV suppresses transforming growth factor- $\beta$ 1 induced fibrosis of cultured mouse renal fibroblasts via inhibition of the MAPK and NF- $\kappa$ B signaling pathways. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 1260-1266.	1.0	39
2975	Pre-operative growth differentiation factor 15 as a novel biomarker of acute kidney injury after cardiac bypass surgery. <i>International Journal of Cardiology</i> , 2015, 197, 66-71.	0.8	36
2976	Cyclic Nucleotide Signalling in Kidney Fibrosis. <i>International Journal of Molecular Sciences</i> , 2015, 16, 2320-2351.	1.8	45

#	ARTICLE	IF	CITATIONS
2977	TGF $\beta$ 1 Protects Cells from $\gamma$ -IR by Enhancing the Activity of the NHEJ Repair Pathway. <i>Molecular Cancer Research</i> , 2015, 13, 319-329.	1.5	41
2978	Riboswitch-mediated Attenuation of Transgene Cytotoxicity Increases Adeno-associated Virus Vector Yields in HEK-293 Cells. <i>Molecular Therapy</i> , 2015, 23, 1582-1591.	3.7	47
2979	TGF $\beta$ 2: A player on multiple fronts in the tumor microenvironment. <i>Journal of Immunotoxicology</i> , 2015, 12, 300-307.	0.9	44
2980	Temporally coordinated signals progressively pattern the anteroposterior and dorsoventral body axes. <i>Seminars in Cell and Developmental Biology</i> , 2015, 42, 118-133.	2.3	90
2981	AMPK: energy sensor and survival mechanism in the ischemic heart. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 422-429.	3.1	223
2982	Increased expression of GDF-15 may mediate ICU-acquired weakness by down-regulating muscle microRNAs. <i>Thorax</i> , 2015, 70, 219-228.	2.7	86
2983	Transforming growth factor-beta1 promotes the migration and invasion of sphere-forming stem-like cell subpopulations in esophageal cancer. <i>Experimental Cell Research</i> , 2015, 336, 141-149.	1.2	38
2984	A Novel TGF $\beta$ 2 Modulator that Uncouples R-Smad/I-Smad-Mediated Negative Feedback from R-Smad/Ligand-Driven Positive Feedback. <i>PLoS Biology</i> , 2015, 13, e1002051.	2.6	7
2985	Astrocyte-Derived TGF $\beta$ 1 Accelerates Disease Progression in ALS Mice by Interfering with the Neuroprotective Functions of Microglia and T Cells. <i>Cell Reports</i> , 2015, 11, 592-604.	2.9	175
2986	Emerging antibody-based therapeutic strategies for bladder cancer: A systematic review. <i>Journal of Controlled Release</i> , 2015, 214, 40-61.	4.8	28
2987	Aspidin PB, a novel natural anti-fibrotic compound, inhibited fibrogenesis in TGF $\beta$ 1-stimulated keloid fibroblasts via PI-3K/Akt and Smad signaling pathways. <i>Chemico-Biological Interactions</i> , 2015, 238, 66-73.	1.7	18
2988	BRCA1 regulates transforming growth factor $\beta$ 2 (TGF $\beta$ 2) signaling through Gadd45a by enhancing the protein stability of Smad4. <i>Molecular Oncology</i> , 2015, 9, 1655-1666.	2.1	10
2989	Human ortholog of <i>Drosophila</i> Melted impedes SMAD2 release from TGF $\beta$ 2 receptor I to inhibit TGF $\beta$ 2 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3000-9.	3.3	20
2990	Structure of the N-terminal domain of the protein Expansion: an 'Expansion' to the Smad MH2 fold. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 844-853.	2.5	7
2991	Promotion of Bone Morphogenetic Protein Signaling by Tetraspanins and Glycosphingolipids. <i>PLoS Genetics</i> , 2015, 11, e1005221.	1.5	26
2992	Prevention of posterior capsular opacification. <i>Experimental Eye Research</i> , 2015, 136, 100-115.	1.2	124
2993	Increased expression of Nodal correlates with reduced patient survival in pancreatic cancer. <i>Pancreatology</i> , 2015, 15, 156-161.	0.5	19
2994	Norcantharidin Inhibits Lymphangiogenesis by Downregulating the Expression of VEGF-C and VEGF-D in Human Dermal Lymphatic Endothelial Cells in vitro. <i>Pharmacology</i> , 2015, 95, 1-9.	0.9	6

#	ARTICLE	IF	CITATIONS
2995	Transforming Growth Factor $\hat{I}^2$ Signaling in Colorectal Cancer Cells With Microsatellite Instability Despite Biallelic Mutations in TGFBR2. <i>Gastroenterology</i> , 2015, 148, 1427-1437.e8.	0.6	55
2996	TGF- $\hat{I}^2$ signal transduction pathways and osteoarthritis. <i>Rheumatology International</i> , 2015, 35, 1283-1292.	1.5	60
2997	Oryeongsan suppressed high glucose-induced mesangial fibrosis. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 30.	3.7	13
2998	Portrait of inflammatory response to ionizing radiation treatment. <i>Journal of Inflammation</i> , 2015, 12, 14.	1.5	208
2999	An integrative approach for a network based meta-analysis of viral RNAi screens. <i>Algorithms for Molecular Biology</i> , 2015, 10, 6.	0.3	7
3000	Retinoic acid promotes myogenesis in myoblasts by antagonizing transforming growth factor-beta signaling via C/EBP $\hat{I}^2$ . <i>Skeletal Muscle</i> , 2015, 5, 8.	1.9	28
3001	Strategies to minimize hypertrophy in cartilage engineering and regeneration. <i>Genes and Diseases</i> , 2015, 2, 76-95.	1.5	119
3002	Anti-Fibrotic Effects of Neferine on Carbon Tetrachloride-Induced Hepatic Fibrosis in Mice. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 231-240.	1.5	25
3003	Mutant p53 Promotes Tumor Cell Malignancy by Both Positive and Negative Regulation of the Transforming Growth Factor $\hat{I}^2$ (TGF- $\hat{I}^2$ ) Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 11729-11740.	1.6	37
3004	MicroRNA-21 promotes Th17 differentiation and mediates experimental autoimmune encephalomyelitis. <i>Journal of Clinical Investigation</i> , 2015, 125, 1069-1080.	3.9	201
3005	TGF- $\hat{I}^2$ signaling in the control of hematopoietic stem cells. <i>Blood</i> , 2015, 125, 3542-3550.	0.6	207
3006	The TGF- $\hat{I}^2$ Signaling Regulator PMEPA1 Suppresses Prostate Cancer Metastases to Bone. <i>Cancer Cell</i> , 2015, 27, 809-821.	7.7	169
3007	Recent advances in pancreatic cancer: biology, treatment, and prevention. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015, 1856, 13-27.	3.3	60
3008	P21 activated kinase-1 mediates transforming growth factor $\hat{I}^2$ 1-induced prostate cancer cell epithelial to mesenchymal transition. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1229-1239.	1.9	46
3009	Antisense Approach to Inflammatory Bowel Disease: Prospects and Challenges. <i>Drugs</i> , 2015, 75, 723-730.	4.9	24
3010	Structural determinants of Smad function in TGF- $\hat{I}^2$ signaling. <i>Trends in Biochemical Sciences</i> , 2015, 40, 296-308.	3.7	297
3011	Molecular signalings in keloid disease and current therapeutic approaches from natural based compounds. <i>Pharmaceutical Biology</i> , 2015, 53, 457-463.	1.3	47
3012	Pharmacological inhibition of TGF $\hat{I}^2$ receptor improves Nkx2.5 cardiomyoblast-mediated regeneration. <i>Cardiovascular Research</i> , 2015, 105, 44-54.	1.8	24

#	ARTICLE	IF	CITATIONS
3013	Left ventricular non-compaction cardiomyopathy. <i>Lancet</i> , The, 2015, 386, 813-825.	6.3	407
3014	Cloning and primary immunological study of TGF- $\beta$ 1 and its receptors T $\beta$ R I /T $\beta$ R II in tilapia( <i>Oreochromis Tj ETQq</i> ). <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 75. 1.0 0.784314 24	1.0	24
3015	Chondrodysplasias and TGF $\beta$ 2 signaling. <i>BoneKey Reports</i> , 2015, 4, 642.	2.7	6
3016	The insulin response integrates increased TGF- $\beta$ 2 signaling through Akt-induced enhancement of cell surface delivery of TGF- $\beta$ 2 receptors. <i>Science Signaling</i> , 2015, 8, ra96.	1.6	57
3017	Role of Smad signaling in kidney disease. <i>International Urology and Nephrology</i> , 2015, 47, 1965-1975.	0.6	30
3018	Membrane-to-Nucleus Signals and Epigenetic Mechanisms for Myofibroblastic Activation and Desmoplastic Stroma: Potential Therapeutic Targets for Liver Metastasis?. <i>Molecular Cancer Research</i> , 2015, 13, 604-612.	1.5	41
3019	Estrogen-Related Receptor $\beta$ 3 Plays a Key Role in Vascular Calcification Through the Upregulation of BMP2 Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2384-2390.	1.1	38
3020	Overexpression of TMEM158 contributes to ovarian carcinogenesis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 75.	3.5	43
3021	Overexpression of the FoxO1 Ameliorates Mesangial Cell Dysfunction in Male Diabetic Rats. <i>Molecular Endocrinology</i> , 2015, 29, 1080-1091.	3.7	21
3022	Impaired Expansion of Regulatory T Cells in a Neonatal Thymectomy-Induced Autoimmune Mouse Model. <i>American Journal of Pathology</i> , 2015, 185, 2886-2897.	1.9	23
3023	Minireview: Activin Signaling in Gonadotropes: What Does the FOX say to the SMAD?. <i>Molecular Endocrinology</i> , 2015, 29, 963-977.	3.7	42
3024	Nuclear SMAD2 Restrains Proliferation of Glioblastoma. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 1756-1763.	1.1	13
3025	Down-regulation of TGF- $\beta$ 1, TGF- $\beta$ receptor 2, and TGF- $\beta$ -associated microRNAs, miR-20a and miR-21, in skin lesions of sulfur mustard-exposed Iranian war veterans. <i>Journal of Receptor and Signal Transduction Research</i> , 2015, 35, 634-639.	1.3	9
3026	Diversification and Functional Specialization of Human NK Cell Subsets. <i>Current Topics in Microbiology and Immunology</i> , 2015, 395, 63-93.	0.7	56
3027	Procollagen Lysyl Hydroxylase 2 Expression Is Regulated by an Alternative Downstream Transforming Growth Factor $\beta$ 2-1 Activation Mechanism. <i>Journal of Biological Chemistry</i> , 2015, 290, 28465-28476.	1.6	48
3028	KLF17 empowers TGF- $\beta$ 2/Smad signaling by targeting Smad3-dependent pathway to suppress tumor growth and metastasis during cancer progression. <i>Cell Death and Disease</i> , 2015, 6, e1681-e1681.	2.7	49
3029	Regulation of TGF- $\beta$ 2 receptor hetero-oligomerization and signaling by endoglin. <i>Molecular Biology of the Cell</i> , 2015, 26, 3117-3127.	0.9	35
3030	Hypoxia induces calpain activity and degrades SMAD2 to attenuate TGF $\beta$ 2 signaling in macrophages. <i>Cell and Bioscience</i> , 2015, 5, 36.	2.1	15

#	ARTICLE	IF	CITATIONS
3031	Excess TGF- $\beta$ 2 mediates muscle weakness associated with bone metastases in mice. <i>Nature Medicine</i> , 2015, 21, 1262-1271.	15.2	300
3032	A switch from epithelial to mesenchymal properties correlates with lymphovascular invasion in squamous cell carcinoma of the penis. <i>Pathology Research and Practice</i> , 2015, 211, 641-645.	1.0	10
3033	Biomarkers in acute coronary syndrome. <i>IJC Metabolic &amp; Endocrine</i> , 2015, 8, 20-23.	0.5	14
3034	Semi-adaptive response and noise attenuation in bone morphogenetic protein signalling. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150258.	1.5	3
3035	Mechanism of protective effect of phyllanthin against carbon tetrachloride-induced hepatotoxicity and experimental liver fibrosis in mice. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 708-717.	1.3	11
3037	Molecular Pathogenesis of Corneal Dystrophies. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 134, 99-115.	0.9	4
3038	Concise Review: Understanding the Renal Progenitor Cell Niche In Vivo to Recapitulate Nephrogenesis In Vitro. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1463-1471.	1.6	15
3039	Kaempferol Suppresses Transforming Growth Factor- $\beta$ 1-Induced Epithelial-to-Mesenchymal Transition and Migration of A549 Lung Cancer Cells by Inhibiting Akt1-Mediated Phosphorylation of Smad3 at Threonine-179. <i>Neoplasia</i> , 2015, 17, 525-537.	2.3	124
3040	Invasion of ovarian cancer cells is induced by PITX2-mediated activation of TGF- $\beta$ 2 and Activin-A. <i>Molecular Cancer</i> , 2015, 14, 162.	7.9	57
3041	SMAD4 exerts a tumor-promoting role in hepatocellular carcinoma. <i>Oncogene</i> , 2015, 34, 5055-5068.	2.6	57
3042	MECHANISMS IN ENDOCRINOLOGY: Thyroid and polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , 2015, 172, R9-R21.	1.9	61
3043	Pharmacology of manipulating lean body mass. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 1-13.	0.9	12
3044	Recombinant BMP4 and BMP7 Downregulate Pentraxin 3 in Human Granulosa Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E365-E374.	1.8	36
3045	Pokemon (FBI-1) interacts with Smad4 to repress TGF- $\beta$ 2-induced transcriptional responses. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 270-281.	0.9	32
3046	Tak1, Smad4 and Trim33 redundantly mediate TGF- $\beta$ 3 signaling during palate development. <i>Developmental Biology</i> , 2015, 398, 231-241.	0.9	43
3047	Marekx3's disease virus-encoded analog of microRNA-155 activates the oncogene c-Myc by targeting LTBP1 and suppressing the TGF- $\beta$ 2 signaling pathway. <i>Virology</i> , 2015, 476, 72-84.	1.1	42
3048	Genomewide Comprehensive Analysis Reveals Critical Cooperation Between Smad and c-Fos in RANKL-Induced Osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 869-877.	3.1	30
3049	Molecular Determinants of Radiation Response in Non-Small Cell Lung Cancer. <i>Seminars in Radiation Oncology</i> , 2015, 25, 67-77.	1.0	8

#	ARTICLE	IF	CITATIONS
3050	Prostaglandin F2 receptor (FP) signaling regulates Bmp signaling and promotes chondrocyte differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 500-512.	1.9	8
3051	Follicular Development. , 2015, , 947-995.		12
3052	Signaling Pathways Regulating Pituitary Lactotrope Homeostasis and Tumorigenesis. <i>Advances in Experimental Medicine and Biology</i> , 2015, 846, 37-59.	0.8	15
3053	microRNA-21 Mediates Stretch-Induced Osteogenic Differentiation in Human Periodontal Ligament Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 312-319.	1.1	81
3054	aPKC alters TGF $\beta$ 2 response in NSCLC cells via both Smad-dependent and Smad-independent pathways. <i>Journal of Cell Science</i> , 2015, 128, 487-498.	1.2	16
3055	EW-7197 inhibits hepatic, renal, and pulmonary fibrosis by blocking TGF $\beta$ 2/Smad and ROS signaling. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 2023-2039.	2.4	117
3056	SMAD4 and its role in pancreatic cancer. <i>Tumor Biology</i> , 2015, 36, 111-119.	0.8	70
3057	Intraovarian Control of Early Folliculogenesis. <i>Endocrine Reviews</i> , 2015, 36, 1-24.	8.9	516
3058	TGF $\beta$ 2 regulates hypothalamic Trh expression through the TGF $\beta$ 2 inducible early gene-1 (TIEG1) during fetal development. <i>Molecular and Cellular Endocrinology</i> , 2015, 400, 129-139.	1.6	7
3060	Transforming Growth Factor $\beta$ Superfamily in Obstructive Lung Diseases. More Suspects Than TGF $\beta$ Alone. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 653-662.	1.4	40
3061	Hepatitis C Virus-Associated Cancer. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015, 10, 345-370.	9.6	79
3062	New Strategy for High-Level Expression and Purification of Biologically Active Monomeric TGF $\beta$ 1/C77S in <i>Escherichia coli</i> . <i>Molecular Biotechnology</i> , 2015, 57, 160-171.	1.3	9
3063	Stable suppression of myostatin gene expression in goat fetal fibroblast cells by lentiviral vector-mediated $\text{scRNA}$ . <i>Biotechnology Progress</i> , 2015, 31, 452-459.	1.3	5
3064	Type III transforming growth factor beta receptor regulates vascular and osteoblast development during palatogenesis. <i>Developmental Dynamics</i> , 2015, 244, 122-133.	0.8	29
3066	Conceptual Change in Biology. <i>Boston Studies in the Philosophy and History of Science</i> , 2015, , .	0.4	15
3067	Peptidylprolyl isomerases: Functionality and potential therapeutic targets in cardiovascular disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 117-124.	0.9	20
3068	The Clinical Implications of Transforming Growth Factor Beta in Pathological Grade and Prognosis of Glioma Patients: A Meta-Analysis. <i>Molecular Neurobiology</i> , 2015, 52, 270-276.	1.9	8
3069	Investigation of some genetic variations in BMP15 accompanied with premature ovarian failure (POF) in Syrian women. <i>Middle East Fertility Society Journal</i> , 2015, 20, 91-96.	0.5	11



#	ARTICLE	IF	CITATIONS
3070	Crk-like adapter protein is required for TGF- $\beta$ -induced AKT and ERK-signaling pathway in epithelial ovarian carcinomas. <i>Tumor Biology</i> , 2015, 36, 915-919.	0.8	10
3071	MicroRNA miR145 Regulates TGFBR2 Expression and Matrix Synthesis in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2015, 116, 23-34.	2.0	72
3073	Exogenous BMP7 corrects plasma iron overload and bone loss in <i>Bmp6</i> <sup>-/-</sup> mice. <i>International Orthopaedics</i> , 2015, 39, 161-172.	0.9	29
3074	Tumor-suppressive and tumor-promoting role of Tgf-Beta in Hepatocellular Carcinoma. <i>International Journal of Biology</i> , 2016, 9, 41.	0.1	1
3075	Growth factors in fetal and adult wound healing. , 2016, , 41-68.		2
3076	Collagen regulates transforming growth factor- $\beta$ receptors of HL-1 cardiomyocytes through activation of stretch and integrin signaling. <i>Molecular Medicine Reports</i> , 2016, 14, 3429-3436.	1.1	5
3077	MicroRNA regulatory pathway analysis identifies miR-142-5p as a negative regulator of TGF- $\beta$ pathway via targeting SMAD3. <i>Oncotarget</i> , 2016, 7, 71504-71513.	0.8	48
3078	Metabolic derivatives of alcohol and the molecular culprits of fibro-hepatocarcinogenesis: Allies or enemies?. <i>World Journal of Gastroenterology</i> , 2016, 22, 50.	1.4	16
3079	Targeting microenvironment in cancer therapeutics. <i>Oncotarget</i> , 2016, 7, 52575-52583.	0.8	52
3080	Exogenous Heparan Sulfate Enhances the TGF- $\beta$ -3-Induced Chondrogenesis in Human Mesenchymal Stem Cells by Activating TGF- $\beta$ /Smad Signaling. <i>Stem Cells International</i> , 2016, 2016, 1-10.	1.2	31
3081	Mechanism Investigation of the Improvement of Chang Run Tong on the Colonic Remodeling in Streptozotocin-Induced Diabetic Rats. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-14.	1.0	5
3082	A Controlled Release Codelivery System of MSCs Encapsulated in Dextran/Gelatin Hydrogel with TGF- $\beta$ -3-Loaded Nanoparticles for Nucleus Pulposus Regeneration. <i>Stem Cells International</i> , 2016, 2016, 1-14.	1.2	31
3083	Molecular Mechanisms Underlying Peritoneal EMT and Fibrosis. <i>Stem Cells International</i> , 2016, 2016, 1-11.	1.2	96
3084	Rutin Attenuates Hepatotoxicity in High-Cholesterol-Diet-Fed Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	25
3085	TGF- $\beta$ /Smads and miR-21 in Renal Fibrosis and Inflammation. <i>Mediators of Inflammation</i> , 2016, 2016, 1-12.	1.4	239
3086	Interactions between Autophagy and Inhibitory Cytokines. <i>International Journal of Biological Sciences</i> , 2016, 12, 884-897.	2.6	68
3087	The Prodomain-Containing BMP9 Produced from a Stable Line Effectively Regulates the Differentiation of Mesenchymal Stem Cells. <i>International Journal of Medical Sciences</i> , 2016, 13, 8-18.	1.1	22
3088	Reversible Human TGF- $\beta$ Signal Shifting between Tumor Suppression and Fibro-Carcinogenesis: Implications of Smad Phospho-Isoforms for Hepatic Epithelial-Mesenchymal Transitions. <i>Journal of Clinical Medicine</i> , 2016, 5, 7.	1.0	41

#	ARTICLE	IF	CITATIONS
3089	TGF- $\beta$ 2 Signaling in Bone Remodeling and Osteosarcoma Progression. <i>Journal of Clinical Medicine</i> , 2016, 5, 96.	1.0	95
3090	Genetic variation, association analysis, and expression pattern of SMAD3 gene in Chinese cattle. <i>Czech Journal of Animal Science</i> , 2016, 61, 209-216.	0.5	4
3091	Effects of Transforming Growth Factor Beta 1 in Cerebellar Development: Role in Synapse Formation. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 104.	1.8	22
3092	Smad3 Sensitizes Hepatocellular Carcinoma Cells to Cisplatin by Repressing Phosphorylation of AKT. <i>International Journal of Molecular Sciences</i> , 2016, 17, 610.	1.8	11
3093	Osteopontin is a Master Regulator of Epithelial-Mesenchymal Transition. <i>Journal of Clinical Medicine</i> , 2016, 5, 39.	1.0	80
3094	Signal Transduction Pathways of EMT Induced by TGF- $\beta$ 2, SHH, and WNT and Their Crosstalks. <i>Journal of Clinical Medicine</i> , 2016, 5, 41.	1.0	249
3095	Involvement of TGF- $\beta$ 1/Smad3 Signaling in Carbon Tetrachloride-Induced Acute Liver Injury in Mice. <i>PLoS ONE</i> , 2016, 11, e0156090.	1.1	40
3096	Gasdermin C Is Upregulated by Inactivation of Transforming Growth Factor $\beta$ 2 Receptor Type II in the Presence of Mutated Apc, Promoting Colorectal Cancer Proliferation. <i>PLoS ONE</i> , 2016, 11, e0166422.	1.1	151
3097	Wdr68 Mediates Dorsal and Ventral Patterning Events for Craniofacial Development. <i>PLoS ONE</i> , 2016, 11, e0166984.	1.1	17
3098	Effect of Kujie Granule on the Expression of TGF- $\beta$ 2/Smads Signaling Pathway in Patients with Ulcerative Colitis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-9.	0.5	15
3099	A Comprehensive and System Review for the Pharmacological Mechanism of Action of Rhein, an Active Anthraquinone Ingredient. <i>Frontiers in Pharmacology</i> , 2016, 7, 247.	1.6	105
3100	Redundancy and Molecular Evolution: The Rapid Induction of Bone Formation by the Mammalian Transforming Growth Factor- $\beta$ 3 Isoform. <i>Frontiers in Physiology</i> , 2016, 7, 396.	1.3	4
3101	Derivate isocorydine inhibits cell proliferation in hepatocellular carcinoma cell lines by inducing G2/M cell cycle arrest and apoptosis. <i>Tumor Biology</i> , 2016, 37, 5951-5961.	0.8	12
3102	Overexpression of PRAS40T246A in the Proliferative Compartment Suppresses mTORC1 Signaling, Keratinocyte Migration, and Skin Tumor Development. <i>Journal of Investigative Dermatology</i> , 2016, 136, 2070-2079.	0.3	14
3103	The TGF- $\beta$ 2 pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. <i>International Journal of Cancer</i> , 2016, 139, 1894-1903.	2.3	53
3104	IL-1 $\beta$ Counteract TGF- $\beta$ 2 Regulated Genes and Pathways in Human Fibroblasts. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1622-1632.	1.2	5
3105	Effects of aging on cardiac extracellular matrix in men and women. <i>Proteomics - Clinical Applications</i> , 2016, 10, 84-91.	0.8	67
3106	Differences in the timing and magnitude of Pkd1 gene deletion determine the severity of polycystic kidney disease in an orthologous mouse model of ADPKD. <i>Physiological Reports</i> , 2016, 4, e12846.	0.7	19

#	ARTICLE	IF	CITATIONS
3107	Protein kinase G signaling in cardiac pathophysiology: Impact of proteomics on clinical trials. <i>Proteomics</i> , 2016, 16, 894-905.	1.3	10
3108	Transforming growth factor- $\beta$ 1 in humidifier disinfectant-associated children's interstitial lung disease. <i>Pediatric Pulmonology</i> , 2016, 51, 173-182.	1.0	12
3109	Transforming growth factor $\beta$ 1 antagonizes the transcription, expression and vascular signaling of guanylyl cyclase/natriuretic peptide receptor A – role of $\beta$ 1. <i>FEBS Journal</i> , 2016, 283, 1767-1781.	2.2	6
3110	miR-375 negatively regulates porcine preadipocyte differentiation by targeting <i>BMPR2</i> . <i>FEBS Letters</i> , 2016, 590, 1417-1427.	1.3	31
3111	<i>gsdf</i> is a downstream gene of <i>dmrt1</i> that functions in the male sex determination pathway of the Nile tilapia. <i>Molecular Reproduction and Development</i> , 2016, 83, 497-508.	1.0	110
3112	Zinc impregnated cellulose nanocomposites: Synthesis, characterization and applications. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 98, 174-182.	1.9	65
3113	BMP signaling is essential in neonatal surfactant production during respiratory adaptation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L29-L38.	1.3	13
3114	Melatonin reversed tumor necrosis factor- $\alpha$ -inhibited osteogenesis of human mesenchymal stem cells by stabilizing <i>SMAD1</i> protein. <i>Journal of Pineal Research</i> , 2016, 61, 317-327.	3.4	46
3115	Cytokine Networks and T-Cell Subsets in Inflammatory Bowel Diseases. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 1157-1167.	0.9	118
3116	Relative levels of the proprotein and cleavage-activated form of circulating human anti-M $\beta$ 1/Allergic hormone are sexually dimorphic and variable during the life cycle. <i>Physiological Reports</i> , 2016, 4, e12783.	0.7	13
3117	<i>Egr2</i> and <i>Egr3</i> in regulatory T cells cooperatively control systemic autoimmunity through <i>Ltbp3</i> -mediated TGF- $\beta$ 3 production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8131-E8140.	3.3	57
3118	Therapeutic Targets in Inflammatory Bowel Disease: Current and Future. <i>American Journal of Gastroenterology Supplements (Print)</i> , 2016, 3, 27-37.	0.7	46
3119	Appendage regeneration after autotomy is mediated by Baboon in the crayfish <i>Procambarus fallax</i> f. <i>virginalis</i> Martin, Dorn, Kawai, Heiden and Scholtz, 2010 (Decapoda: Astacoidea: Cambaridae). <i>Journal of Crustacean Biology</i> , 2016, 36, 649-657.	0.3	9
3120	The pattern of hMENA isoforms is regulated by TGF- $\beta$ 1 in pancreatic cancer and may predict patient outcome. <i>Oncolmmunology</i> , 2016, 5, e1221556.	2.1	23
3121	Plasma levels of growth differentiation factor-15 are associated with myocardial injury in patients undergoing off-pump coronary artery bypass grafting. <i>Scientific Reports</i> , 2016, 6, 28221.	1.6	17
3122	Two Activin Type 2B Receptors from Sea Bream Function Similarly <i>in vitro</i> . <i>Biological Bulletin</i> , 2016, 230, 56-67.	0.7	0
3123	TGF- $\beta$ 1 inhibits the apoptosis of pulmonary arterial smooth muscle cells and contributes to pulmonary vascular medial thickening via the PI3K/Akt pathway. <i>Molecular Medicine Reports</i> , 2016, 13, 2751-2756.	1.1	17
3124	MicroRNA-21 Regulates Non-Small Cell Lung Cancer Cell Invasion and Chemo-Sensitivity through <i>SMAD7</i> . <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 2152-2162.	1.1	50

#	ARTICLE	IF	CITATIONS
3125	Drosophila Dullard functions as a Mad phosphatase to terminate BMP signaling. <i>Scientific Reports</i> , 2016, 6, 32269.	1.6	15
3126	Acetyl-11-Keto- $\hat{I}^2$ -Boswellic Acid Attenuates Prooxidant and Profibrotic Mechanisms Involving Transforming Growth Factor- $\hat{I}^2$ 1, and Improves Vascular Remodeling in Spontaneously Hypertensive Rats. <i>Scientific Reports</i> , 2016, 6, 39809.	1.6	29
3127	MicroRNA-182 targets SMAD7 to potentiate TGF $\hat{I}^2$ -induced epithelial-mesenchymal transition and metastasis of cancer cells. <i>Nature Communications</i> , 2016, 7, 13884.	5.8	112
3128	Effect of Botulinum Toxin Type A on TGF- $\hat{I}^2$ /Smad Pathway Signaling: Implications for Silicone-Induced Capsule Formation. <i>Plastic and Reconstructive Surgery</i> , 2016, 138, 821e-829e.	0.7	39
3129	The kielin/chordin-like protein KCP attenuates nonalcoholic fatty liver disease in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G587-G598.	1.6	7
3130	Lidocaine Impairs Proliferative and Biosynthetic Functions of Aged Human Dermal Fibroblasts. <i>Anesthesia and Analgesia</i> , 2016, 123, 616-623.	1.1	13
3131	Ginsenoside Rd attenuates breast cancer metastasis implicating derepressing microRNA-18a-regulated Smad2 expression. <i>Scientific Reports</i> , 2016, 6, 33709.	1.6	50
3132	Decreased expression of the type III TGF- $\hat{I}^2$ receptor enhances metastasis and invasion in hepatocellular carcinoma progression. <i>Oncology Reports</i> , 2016, 35, 2373-2381.	1.2	15
3133	Lithium inhibits tumor lymphangiogenesis and metastasis through the inhibition of TGFBIp expression in cancer cells. <i>Scientific Reports</i> , 2016, 6, 20739.	1.6	40
3134	miR-574-3p acts as a tumor promoter in osteosarcoma by targeting SMAD4 signaling pathway. <i>Oncology Letters</i> , 2016, 12, 5247-5253.	0.8	24
3135	TGF- $\hat{I}^2$ Superfamily Signaling. , 2016, , 37-50.		12
3136	Biochemistry and Biology of GDF11 and Myostatin. <i>Circulation Research</i> , 2016, 118, 1125-1142.	2.0	155
3137	Soluble CD109 binds TGF- $\hat{I}^2$ and antagonizes TGF- $\hat{I}^2$ signalling and responses. <i>Biochemical Journal</i> , 2016, 473, 537-537.	1.7	27
3138	Fine-tuning between BMP and NF- $\hat{I}^B$ pathways regulates osteoblastic bone formation. <i>Journal of Oral Biosciences</i> , 2016, 58, 73-77.	0.8	1
3139	Simvastatin blocks TGF- $\hat{I}^2$ 1-induced epithelial-mesenchymal transition in human prostate cancer cells. <i>Oncology Letters</i> , 2016, 11, 3377-3383.	0.8	27
3140	A Phase I Study of the Anti-Activin Receptor-Like Kinase 1 (ALK-1) Monoclonal Antibody PF-03446962 in Patients with Advanced Solid Tumors. <i>Clinical Cancer Research</i> , 2016, 22, 2146-2154.	3.2	26
3141	Neural Stem Cells. , 2016, , 169-208.		1
3142	Upregulation of TGF- $\hat{I}^2$ 1 and basic FGF in elastofibroma: an immunohistochemical analysis. <i>Medical Molecular Morphology</i> , 2016, 49, 83-88.	0.4	6

#	ARTICLE	IF	CITATIONS
3143	Repulsive Guidance Molecule b (RGMb) Is Dispensable for Normal Gonadal Function in Mice. <i>Biology of Reproduction</i> , 2016, 94, 78.	1.2	5
3144	Signaling Pathways Involved in Mammalian Sex Determination and Gonad Development. <i>Sexual Development</i> , 2015, 9, 297-315.	1.1	84
3145	TGF- $\beta$ 2 signaling in liver and gastrointestinal cancers. <i>Cancer Letters</i> , 2016, 379, 166-172.	3.2	113
3146	Lentiviral Vector-Mediated FoxO1 Overexpression Inhibits Extracellular Matrix Protein Secretion Under High Glucose Conditions in Mesangial Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 74-83.	1.2	12
3147	Extracellular Regulation of Bone Morphogenetic Protein Activity by the Microfibril Component Fibrillin-1. <i>Journal of Biological Chemistry</i> , 2016, 291, 12732-12746.	1.6	72
3148	A network including TGF- $\beta$ 2/Smad4, Gata2, and p57 regulates proliferation of mouse hematopoietic progenitor cells. <i>Experimental Hematology</i> , 2016, 44, 399-409.e5.	0.2	10
3149	Genotype tunes pancreatic ductal adenocarcinoma tissue tension to induce matricellular fibrosis and tumor progression. <i>Nature Medicine</i> , 2016, 22, 497-505.	15.2	456
3150	Nuclear receptor TLX inhibits TGF- $\beta$ 2 signaling in glioblastoma. <i>Experimental Cell Research</i> , 2016, 343, 118-125.	1.2	15
3151	Cigarette Smoke Induces Human Airway Epithelial Senescence via Growth Differentiation Factor 15 Production. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 429-438.	1.4	36
3152	Glycoprotein 130 Inhibitor Ameliorates Monocrotaline-Induced Pulmonary Hypertension in Rats. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1356.e1-1356.e10.	0.8	17
3153	ERK1/2 directly acts on CTGF/CCN2 expression to mediate myocardial fibrosis in cardiomyopathy caused by mutations in the lamin A/C gene. <i>Human Molecular Genetics</i> , 2016, 25, 2220-2233.	1.4	76
3154	Chinese medicine CGA formula ameliorates DMN-induced liver fibrosis in rats via inhibiting MMP2/9, TIMP1/2 and the TGF- $\beta$ 2/Smad signaling pathways. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 783-793.	2.8	60
3155	TGF- $\beta$ 2: the master regulator of fibrosis. <i>Nature Reviews Nephrology</i> , 2016, 12, 325-338.	4.1	2,269
3156	Regenerative Medicine - from Protocol to Patient. , 2016, , .		2
3157	Experimental evidences for hsa-miR-497-5p as a negative regulator of SMAD3 gene expression. <i>Gene</i> , 2016, 586, 216-221.	1.0	28
3158	Autophagy mediates oral submucous fibrosis. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 1859-1864.	0.8	23
3159	The Role of Activin Receptor-Like Kinase 1 Signaling in the Pulmonary Vasculature of Experimental Diaphragmatic Hernia. <i>European Journal of Pediatric Surgery</i> , 2016, 26, 106-111.	0.7	3
3160	Sodium arsenite-induced myocardial bruise in rats: Ameliorative effect of naringin via TGF- $\beta$ 2/Smad and Nrf/HO pathways. <i>Chemico-Biological Interactions</i> , 2016, 253, 66-77.	1.7	50

#	ARTICLE	IF	CITATIONS
3161	Ockham's razor for the MET-driven invasive growth linking idiopathic pulmonary fibrosis and cancer. <i>Journal of Translational Medicine</i> , 2016, 14, 256.	1.8	16
3162	Expressional changes of AMH signaling system in the quail testis induced by photoperiod. <i>Reproduction</i> , 2016, 152, 575-589.	1.1	7
3163	Transforming Growth Factor- $\beta$ 1 Increases DNA Methyltransferase 1 and 3a Expression through Distinct Post-transcriptional Mechanisms in Lung Fibroblasts. <i>Journal of Biological Chemistry</i> , 2016, 291, 19287-19298.	1.6	18
3164	Increased precursor microRNA-21 following status epilepticus can compete with mature microRNA-21 to alter translation. <i>Experimental Neurology</i> , 2016, 286, 137-146.	2.0	11
3165	TGF $\beta$ 1-Mediated SMAD3 Enhances PD-1 Expression on Antigen-Specific T Cells in Cancer. <i>Cancer Discovery</i> , 2016, 6, 1366-1381.	7.7	196
3166	Repression of Smad4 by miR-205 moderates TGF $\beta$ 2-induced epithelial-mesenchymal transition in A549 cell lines. <i>International Journal of Oncology</i> , 2016, 49, 700-708.	1.4	45
3167	Therapeutic targets in fibrotic pathways. <i>Cytokine</i> , 2016, 88, 193-195.	1.4	8
3168	In Situ Cell Surface Modification for Surface-enhanced Raman Analysis of Cell Membrane. <i>Chemistry Letters</i> , 2016, 45, 622-624.	0.7	2
3169	Connective tissue growth factor mediates growth differentiation factor 8-induced increase of lysyl oxidase activity in human granulosa-lutein cells. <i>Molecular and Cellular Endocrinology</i> , 2016, 434, 186-198.	1.6	36
3170	bFGF Promotes Migration and Induces Cancer-Associated Fibroblast Differentiation of Mouse Bone Mesenchymal Stem Cells to Promote Tumor Growth. <i>Stem Cells and Development</i> , 2016, 25, 1629-1639.	1.1	31
3171	A phase I study of the human anti-activin receptor-like kinase 1 antibody PF 03446962 in Asian patients with advanced solid tumors. <i>Cancer Medicine</i> , 2016, 5, 1454-1463.	1.3	12
3172	TGF $\beta$ 2 Signaling from Receptors to Smads. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a022061.	2.3	578
3173	Establishment of Immortalized BMP2/4 Double Knock-Out Osteoblastic Cells Is Essential for Study of Osteoblast Growth, Differentiation, and Osteogenesis. <i>Journal of Cellular Physiology</i> , 2016, 231, 1189-1198.	2.0	6
3174	Functions of Smad Transcription Factors in TGF $\beta$ 1-Induced Selectin Ligand Expression on Murine CD4 Th Cells. <i>Journal of Immunology</i> , 2016, 197, 2627-2634.	0.4	18
3175	Quantifying pulsed electric field-induced membrane nanoporation in single cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2795-2803.	1.4	16
3176	Transforming Growth Factor $\beta$ 2 Drives Hemogenic Endothelium Programming and the Transition to Hematopoietic Stem Cells. <i>Developmental Cell</i> , 2016, 38, 358-370.	3.1	75
3177	Distinct Gene Expression Patterns Defining Human Osteoblasts' Response to BMP2 Treatment: Is the Therapeutic Success All a Matter of Timing?. <i>European Surgical Research</i> , 2016, 57, 197-210.	0.6	7
3179	TFAP2C-mediated upregulation of TGFBR1 promotes lung tumorigenesis and epithelial-mesenchymal transition. <i>Experimental and Molecular Medicine</i> , 2016, 48, e273-e273.	3.2	50

#	ARTICLE	IF	CITATIONS
3180	Synergistic effects of overexpression of BMP-2 and TGF- $\beta$ 3 on osteogenic differentiation of bone marrow mesenchymal stem cells. <i>Molecular Medicine Reports</i> , 2016, 14, 5514-5520.	1.1	22
3181	Ubiquitin carboxyl-terminal hydrolase-L5 promotes TGF $\beta$ 2-1 signaling by de-ubiquitinating and stabilizing Smad2/Smad3 in pulmonary fibrosis. <i>Scientific Reports</i> , 2016, 6, 33116.	1.6	37
3182	Smad2/3/4 Pathway Contributes to TGF- $\beta$ 2-Induced MiRNA-181b Expression to Promote Gastric Cancer Metastasis by Targeting Timp3. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 453-466.	1.1	65
3183	Inhibition of S-Adenosylmethionine-Dependent Methyltransferase Attenuates TGF $\beta$ 1-Induced EMT and Metastasis in Pancreatic Cancer: Putative Roles of miR-663a and miR-4787-5p. <i>Molecular Cancer Research</i> , 2016, 14, 1124-1135.	1.5	33
3185	Transforming growth factor- $\beta$ 2 (TGF- $\beta$ 2) activation in cutaneous wounds after topical application of aloe vera gel. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 1285-1290.	0.7	28
3186	Activin A upregulates PTGS2 expression and increases PGE2 production in human granulosa-lutein cells. <i>Reproduction</i> , 2016, 152, 655-664.	1.1	14
3187	Amelotin gene expression is temporarily being upregulated at the initiation of apoptosis induced by TGF $\beta$ 21 in mouse gingival epithelial cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 1057-1070.	2.2	14
3188	EMT reversal in human cancer cells after IR knockdown in hyperinsulinemic mice. <i>Endocrine-Related Cancer</i> , 2016, 23, 747-758.	1.6	25
3189	Synergistic effects of CD44 and TGF- $\beta$ 21 through AKT/GSK-3 $\beta$ / $\beta$ -catenin signaling during epithelial-mesenchymal transition in liver cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 568-574.	1.0	65
3190	Cutting Edge: ACVRL1 Signaling Augments CD8 $\alpha$ <sup>+</sup> Dendritic Cell Development. <i>Journal of Immunology</i> , 2016, 197, 1029-1034.	0.4	7
3191	Pancreatic cancer biology and genetics from an evolutionary perspective. <i>Nature Reviews Cancer</i> , 2016, 16, 553-565.	12.8	316
3192	Combinatorial approaches to evaluate nanodiamond uptake and induced cellular fate. <i>Nanotechnology</i> , 2016, 27, 085107.	1.3	19
3193	Heat shock protein 22 (HSPB8) limits TGF- $\beta$ 2-stimulated migration of osteoblasts. <i>Molecular and Cellular Endocrinology</i> , 2016, 436, 1-9.	1.6	13
3194	TGF $\beta$ 2. , 2016, , 563-571.		0
3195	Anti-M $\beta$ llerian Hormone Signaling Regulates Epithelial Plasticity and Chemoresistance in Lung Cancer. <i>Cell Reports</i> , 2016, 16, 657-671.	2.9	47
3196	miRNA-Mediated KHSRP Silencing Rewires Distinct Post-transcriptional Programs during TGF- $\beta$ 2-Induced Epithelial-to-Mesenchymal Transition. <i>Cell Reports</i> , 2016, 16, 967-978.	2.9	45
3197	Expression of anti-M $\beta$ llerian hormone in two rat models of polycystic ovary syndrome. <i>Journal of Obstetrics and Gynaecology Research</i> , 2016, 42, 1761-1767.	0.6	3
3198	Deletion of BMP receptor type IB decreased bone mass in association with compromised osteoblastic differentiation of bone marrow mesenchymal progenitors. <i>Scientific Reports</i> , 2016, 6, 24256.	1.6	32

#	ARTICLE	IF	CITATIONS
3199	Activation of FXR protects against renal fibrosis via suppressing Smad3 expression. <i>Scientific Reports</i> , 2016, 6, 37234.	1.6	40
3200	Novel Strategies to Prevent, Mitigate or Reverse Radiation Injury and Fibrosis. , 2016, , 75-108.		1
3201	Pancreatic Islet Biology. <i>Pancreatic Islet Biology</i> , 2016, , .	0.1	2
3202	Single-Molecule Imaging Reveals the Activation Dynamics of Intracellular Protein Smad3 on Cell Membrane. <i>Scientific Reports</i> , 2016, 6, 33469.	1.6	14
3203	Oocyteâ€“somatic cell interactions in the human ovaryâ€”novel role of bone morphogenetic proteins and growth differentiation factors. <i>Human Reproduction Update</i> , 2016, 23, 1-18.	5.2	212
3204	Fibroblast growth factor (FGF) signaling regulates transforming growth factor beta (TGFÎ²)-dependent smooth muscle cell phenotype modulation. <i>Scientific Reports</i> , 2016, 6, 33407.	1.6	65
3205	Preclinical rationale for TGF-Î² inhibition as a therapeutic target for the treatment of myelofibrosis. <i>Experimental Hematology</i> , 2016, 44, 1138-1155.e4.	0.2	38
3206	Growth differentiation factor-15 promotes glutamate release in medial prefrontal cortex of mice through upregulation of T-type calcium channels. <i>Scientific Reports</i> , 2016, 6, 28653.	1.6	19
3207	Is TGFÎ² as an anti-inflammatory cytokine required for differentiation of inflammatory TH17 cells?. <i>Journal of Immunotoxicology</i> , 2016, 13, 775-783.	0.9	19
3208	Posttranslational Regulation of Smads. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a022087.	2.3	73
3209	Olfactory basal stem cells: contribution of Polycomb group proteins to renewal in a novel c-Kit+ culture model and <i>in vivo</i>. <i>Development (Cambridge)</i> , 2016, 143, 4394-4404.	1.2	25
3210	Generation of Human Islet Progenitor Cells via Epithelial-to-Mesenchymal Transition. <i>Pancreatic Islet Biology</i> , 2016, , 217-240.	0.1	1
3211	Cardiacâ€“Secreted Factors as Peripheral Metabolic Regulators and Potential Disease Biomarkers. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	22
3212	Living biointerfaces based on non-pathogenic bacteria support stem cell differentiation. <i>Scientific Reports</i> , 2016, 6, 21809.	1.6	19
3213	Water temperature induces jaw deformity and bone morphogenetic proteins (BMPs) gene expression in golden pompano <i>Trachinotus ovatus</i> larvae. <i>SpringerPlus</i> , 2016, 5, 1475.	1.2	13
3214	Nutrigenomic effects of glucosinolates on liver, muscle and distal kidney in parasite-free and salmon louse infected Atlantic salmon. <i>Parasites and Vectors</i> , 2016, 9, 639.	1.0	17
3215	Protective role for miR-9-5p in the fibrogenic transformation of human dermal fibroblasts. <i>Fibrogenesis and Tissue Repair</i> , 2016, 9, 7.	3.4	22
3216	Mouse Models for the Study of Synthesis, Secretion, and Action of Pituitary Gonadotropins. <i>Progress in Molecular Biology and Translational Science</i> , 2016, 143, 49-84.	0.9	10



#	ARTICLE	IF	CITATIONS
3217	3D Single-Molecule Imaging of Transmembrane Signaling by Targeting Nanodiamonds. <i>Advanced Functional Materials</i> , 2016, 26, 365-375.	7.8	27
3218	Small Molecule Inhibition of Transforming Growth Factor Beta Signaling Enables the Endogenous Regenerative Potential of the Mammalian Calvarium. <i>Tissue Engineering - Part A</i> , 2016, 22, 707-720.	1.6	21
3219	Conserved Anti-Müllerian Hormone: Anti-Müllerian Hormone Type-2 Receptor Specific Interaction and Intracellular Signaling in Teleosts. <i>Biology of Reproduction</i> , 2016, 94, 141.	1.2	32
3220	Preventing peritoneal membrane fibrosis in peritoneal dialysis patients. <i>Kidney International</i> , 2016, 90, 515-524.	2.6	138
3221	Molecular signatures of ovarian diseases: Insights from network medicine perspective. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 266-282.	1.0	47
3222	Platelet-derived growth factor (PDGF)-induced activation of Erk5 MAP-kinase is dependent on Mek2, Mek1/2, PKC and PI3-kinase, and affects BMP signaling. <i>Cellular Signalling</i> , 2016, 28, 1422-1431.	1.7	9
3223	Sorafenib exerts an anti-keeloid activity by antagonizing TGF- $\beta$ 2/Smad and MAPK/ERK signaling pathways. <i>Journal of Molecular Medicine</i> , 2016, 94, 1181-1194.	1.7	46
3224	Transforming growth factor- $\beta$ 1 activates $\beta$ 63/c-Myc to promote oral squamous cell carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 122, 460-482.e4.	0.2	9
3225	Phase I study of PF-03446962, a fully human monoclonal antibody against activin receptor-like kinase-1, in patients with hepatocellular carcinoma. <i>Annals of Oncology</i> , 2016, 27, 1782-1787.	0.6	32
3226	TGF- $\beta$ 1 accelerates the DNA damage response in epithelial cells via Smad signaling. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 420-425.	1.0	19
3227	The proto-oncogenic protein TAL1 controls TGF- $\beta$ 1 signaling through interaction with SMAD3. <i>Biochimie Open</i> , 2016, 2, 69-78.	3.2	2
3228	Simvastatin ameliorates ventricular remodeling via the TGF- $\beta$ 1 signaling pathway in rats following myocardial infarction. <i>Molecular Medicine Reports</i> , 2016, 13, 5093-5101.	1.1	24
3229	Expression of MicroRNA-133 Inhibits Epithelial-Mesenchymal Transition in Lung Cancer Cells by Directly Targeting FOXQ1. <i>Archivos De Bronconeumologia</i> , 2016, 52, 505-511.	0.4	12
3230	Transforming growth factor $\beta$ 2 (TGF- $\beta$ 2) gene expression is induced in the inflammatory reaction of <i>Ciona intestinalis</i> . <i>Developmental and Comparative Immunology</i> , 2016, 55, 102-110.	1.0	30
3231	Successes and Failures of Combined Modality Therapies in Head and Neck Cancer. <i>Seminars in Radiation Oncology</i> , 2016, 26, 299-306.	1.0	4
3232	Differential requirement of bone morphogenetic protein receptors Ia (ALK3) and Ib (ALK6) in early embryonic patterning and neural crest development. <i>BMC Developmental Biology</i> , 2016, 16, 1.	2.1	31
3233	PfSMAD4 plays a role in biomineralization and can transduce bone morphogenetic protein-2 signals in the pearl oyster <i>Pinctada fucata</i> . <i>BMC Developmental Biology</i> , 2016, 16, 9.	2.1	22
3234	Profibrotic role of WNT10A via TGF- $\beta$ 2 signaling in idiopathic pulmonary fibrosis. <i>Respiratory Research</i> , 2016, 17, 39.	1.4	35

#	ARTICLE	IF	CITATIONS
3236	Large-Scale Functional RNAi Screen in <i>C. elegans</i> Identifies TGF- $\beta$ 2 and Notch Signaling Pathways as Modifiers of <i>CACNA1A</i> . <i>ASN Neuro</i> , 2016, 8, 175909141663702.	1.5	4
3237	Biologics and Their Interactions with Radiation. , 2016, , 80-92.e4.		0
3238	TGF- $\beta$ 2 induces SOX2 expression in a time-dependent manner in human melanoma cells. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 453-458.	1.5	27
3239	Identification of disease-associated pathways in pancreatic cancer by integrating genome-wide association study and gene expression data. <i>Oncology Letters</i> , 2016, 12, 537-543.	0.8	1
3240	Modulation of the NMDA Receptor Through Secreted Soluble Factors. <i>Molecular Neurobiology</i> , 2016, 53, 299-309.	1.9	17
3241	Inhibition of SET Domain-Containing Lysine Methyltransferase 7/9 Ameliorates Renal Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 203-215.	3.0	77
3242	New frontiers in fibrotic disease therapies: The focus of the Joan and Joel Rosenbloom Center for Fibrotic Diseases at Thomas Jefferson University. <i>Matrix Biology</i> , 2016, 51, 14-25.	1.5	19
3243	Common mutations in ALK2/ACVR1, a multi-faceted receptor, have roles in distinct pediatric musculoskeletal and neural orphan disorders. <i>Cytokine and Growth Factor Reviews</i> , 2016, 27, 93-104.	3.2	51
3244	Differential regulation of translation and endocytosis of alternatively spliced forms of the type II bone morphogenetic protein (BMP) receptor. <i>Molecular Biology of the Cell</i> , 2016, 27, 716-730.	0.9	17
3245	Transforming Growth Factor- $\beta$ 2: Master Regulator of the Respiratory System in Health and Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 647-655.	1.4	187
3246	Expression of Selenoprotein Genes Is Affected by Heat Stress in IPEC-J2 Cells. <i>Biological Trace Element Research</i> , 2016, 172, 354-360.	1.9	20
3247	TGF- $\beta$ 2 and Signaling through Receptor Serine/Threonine Protein Kinases. , 2016, , 887-933.		0
3248	Krüppel-like factor 17, a novel tumor suppressor: its low expression is involved in cancer metastasis. <i>Tumor Biology</i> , 2016, 37, 1505-1513.	0.8	14
3249	Growth differentiation factor 8 suppresses cell proliferation by up-regulating CTGF expression in human granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2016, 422, 9-17.	1.6	38
3250	Co-localization of LTBP-2 with FGF-2 in fibrotic human keloid and hypertrophic scar. <i>Journal of Molecular Histology</i> , 2016, 47, 35-45.	1.0	25
3251	Association of a region of bovine chromosome 1 (BTA1) with age at puberty in Angus bulls. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1618.	0.1	4
3252	Smad7 Protein Interacts with Receptor-regulated Smads (R-Smads) to Inhibit Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2)/Smad Signaling. <i>Journal of Biological Chemistry</i> , 2016, 291, 382-392.	1.6	144
3253	Effects of electromagnetic fields on the metabolism of lubricin of rat chondrocytes. <i>Connective Tissue Research</i> , 2016, 57, 152-160.	1.1	4

#	ARTICLE	IF	CITATIONS
3254	YAP/TAZ Are Mechanoregulators of TGF- $\beta$ 2-Smad Signaling and Renal Fibrogenesis. <i>Journal of the American Society of Nephrology</i> ; JASN, 2016, 27, 3117-3128.	3.0	316
3255	Extracellular citrullination inhibits the function of matrix associated TGF- $\beta$ 2. <i>Matrix Biology</i> , 2016, 55, 77-89.	1.5	16
3256	Enrichment of Oligodendrocyte Progenitors from Differentiated Neural Precursors by Clonal Sphere Preparations. <i>Stem Cells and Development</i> , 2016, 25, 712-728.	1.1	7
3257	Transforming Growth Factor- $\beta$ 2 Family Ligands Can Function as Antagonists by Competing for Type II Receptor Binding. <i>Journal of Biological Chemistry</i> , 2016, 291, 10792-10804.	1.6	96
3258	Drug resistance originating from a TGF- $\beta$ 2/FGF-2-driven epithelial-to-mesenchymal transition and its reversion in human lung adenocarcinoma cell lines harboring an EGFR mutation. <i>International Journal of Oncology</i> , 2016, 48, 1825-1836.	1.4	62
3259	mTOR inhibition by rapamycin increases ceramide synthesis by promoting transforming growth factor- $\beta$ 2/Smad signaling in the skin. <i>FEBS Open Bio</i> , 2016, 6, 317-325.	1.0	7
3260	The TGF- $\beta$ 2 Signalling Network in Muscle Development, Adaptation and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2016, 900, 97-131.	0.8	56
3261	Adenovirus-mediated expression of vascular endothelial growth factor-a potentiates bone morphogenetic protein9-induced osteogenic differentiation and bone formation. <i>Biological Chemistry</i> , 2016, 397, 765-775.	1.2	7
3262	Transforming growth factor- $\beta$ 21 induces cholesterol synthesis by increasing HMG-CoA reductase mRNA expression in keratinocytes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1379-1381.	0.6	8
3263	A Review of the Clinical Side Effects of Bone Morphogenetic Protein-2. <i>Tissue Engineering - Part B: Reviews</i> , 2016, 22, 284-297.	2.5	741
3264	C-type natriuretic peptide ameliorates pulmonary fibrosis by acting on lung fibroblasts in mice. <i>Respiratory Research</i> , 2016, 17, 19.	1.4	31
3265	miR-1343 attenuates pathways of fibrosis by targeting the TGF- $\beta$ 2 receptors. <i>Biochemical Journal</i> , 2016, 473, 245-256.	1.7	72
3266	Association of down-regulation of CD109 expression with up-expression of Smad7 in pathogenesis of psoriasis. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2016, 36, 132-136.	1.0	8
3267	Pathobiological mechanisms of peritoneal adhesions: The mesenchymal transition of rat peritoneal mesothelial cells induced by TGF- $\beta$ 21 and IL-6 requires activation of Erk1/2 and Smad2 linker region phosphorylation. <i>Matrix Biology</i> , 2016, 51, 55-64.	1.5	39
3268	Cytokines and persistent viral infections. <i>Cytokine</i> , 2016, 82, 4-15.	1.4	33
3269	The pituitary TGF $\beta$ 21 system as a novel target for the treatment of resistant prolactinomas. <i>Journal of Endocrinology</i> , 2016, 228, R73-R83.	1.2	50
3270	TGF $\beta$ 2 Signaling Intersects with CD103 Integrin Signaling to Promote T-Lymphocyte Accumulation and Antitumor Activity in the Lung Tumor Microenvironment. <i>Cancer Research</i> , 2016, 76, 1757-1769.	0.4	87
3271	Bone morphogenetic proteins in tumour associated angiogenesis and implication in cancer therapies. <i>Cancer Letters</i> , 2016, 380, 586-597.	3.2	39

#	ARTICLE	IF	CITATIONS
3272	La expresi3n de microARN-133 inhibe la transici3n epitelio-mesenquimatosa en las c3lulas del c3ncer de pulm3n apuntando directamente al FOXQ1. Archivos De Bronconeumologia, 2016, 52, 505-511.	0.4	21
3273	Endocytosis and trafficking of BMP receptors: Regulatory mechanisms for fine-tuning the signaling response in different cellular contexts. Cytokine and Growth Factor Reviews, 2016, 27, 35-42.	3.2	40
3274	The ubiquitin ligase Smurf2 suppresses TGF $\beta$ <sup>2</sup> -induced epithelial $\rightarrow$ mesenchymal transition in a sumoylation-regulated manner. Cell Death and Differentiation, 2016, 23, 876-888.	5.0	58
3275	Molecular mechanisms of microRNAs in regulating epithelial $\rightarrow$ mesenchymal transitions in human cancers. Cancer Letters, 2016, 371, 301-313.	3.2	53
3276	Structural insights into BMP receptors: Specificity, activation and inhibition. Cytokine and Growth Factor Reviews, 2016, 27, 13-34.	3.2	187
3277	Intraislet Pancreatic Ducts Can Give Rise to Insulin-Positive Cells. Endocrinology, 2016, 157, 166-175.	1.4	42
3278	TGF- $\beta$ <sup>2</sup> in tolerance, development and regulation of immunity. Cellular Immunology, 2016, 299, 14-22.	1.4	75
3279	Matrix Remodeling in Pulmonary Fibrosis and Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 751-760.	1.4	97
3280	Pathogenesis and treatments of TGFBI corneal dystrophies. Progress in Retinal and Eye Research, 2016, 50, 67-88.	7.3	84
3281	Sox6 suppression induces RA-dependent apoptosis mediated by BMP-4 expression during neuronal differentiation in P19 cells. Molecular and Cellular Biochemistry, 2016, 412, 49-57.	1.4	8
3282	Anti-inflammatory properties of bone morphogenetic protein 4 in human adipocytes. International Journal of Obesity, 2016, 40, 319-327.	1.6	19
3283	Stem cells, growth factors and scaffolds in craniofacial regenerative medicine. Genes and Diseases, 2016, 3, 56-71.	1.5	93
3284	Staurosporine induces chondrogenesis of chick embryo wing bud mesenchyme in monolayer cultures through canonical and non-canonical TGF- $\beta$ <sup>2</sup> pathways. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 120-129.	0.7	6
3285	Genome-Wide RNAi Screening to Dissect the TGF- $\beta$ <sup>2</sup> Signal Transduction Pathway. Methods in Molecular Biology, 2016, 1344, 365-377.	0.4	1
3287	Measuring TGF- $\beta$ <sup>2</sup> Ligand Dynamics in Culture Medium. Methods in Molecular Biology, 2016, 1344, 379-389.	0.4	5
3288	Role of inflammation and its miRNA based regulation in epilepsy: Implications for therapy. Clinica Chimica Acta, 2016, 452, 1-9.	0.5	40
3289	Moonlighting proteins in cancer. Cancer Letters, 2016, 370, 108-116.	3.2	59
3290	Different Degrees of Iodine Deficiency Inhibit Differentiation of Cerebellar Granular Cells in Rat Offspring, via BMP-Smad1/5/8 Signaling. Molecular Neurobiology, 2016, 53, 4606-4617.	1.9	5

#	ARTICLE	IF	CITATIONS
3292	MYC in pancreatic cancer: novel mechanistic insights and their translation into therapeutic strategies. <i>Oncogene</i> , 2016, 35, 1609-1618.	2.6	103
3293	Activated human B cells induce inflammatory fibroblasts with cartilage-destructive properties and become functionally suppressed in return. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 924-932.	0.5	23
3294	Bone Development and Remodeling. , 2016, , 1038-1062.e8.		6
3295	Pulsed electrical stimulation modulates fibroblasts' behaviour through the Smad signalling pathway. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1110-1121.	1.3	47
3296	TGF- $\beta$ 2 signalling in tumour associated macrophages. <i>Immunobiology</i> , 2017, 222, 75-81.	0.8	70
3297	Tumor suppressor bromodomain-containing protein 7 cooperates with Smads to promote transforming growth factor- $\beta$ 2 responses. <i>Oncogene</i> , 2017, 36, 362-372.	2.6	19
3298	CNS repair and axon regeneration: Using genetic variation to determine mechanisms. <i>Experimental Neurology</i> , 2017, 287, 409-422.	2.0	24
3299	Signaling pathways effecting crosstalk between cartilage and adjacent tissues. <i>Seminars in Cell and Developmental Biology</i> , 2017, 62, 16-33.	2.3	46
3300	BMP9 a possible alternative drug for the recently withdrawn BMP7? New perspectives for (re-)implementation by personalized medicine. <i>Archives of Toxicology</i> , 2017, 91, 1353-1366.	1.9	37
3301	Impact of TGF- $\beta$ 2 inhibition during acute exercise on Achilles tendon extracellular matrix. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R157-R164.	0.9	16
3302	Regulation of the Iron Homeostatic Hormone Hepcidin. <i>Advances in Nutrition</i> , 2017, 8, 126-136.	2.9	289
3303	Notch signalling in placental development and gestational diseases. <i>Placenta</i> , 2017, 56, 65-72.	0.7	33
3304	Inflammation in epileptogenesis after traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2017, 14, 10.	3.1	194
3305	Sorafenib: A potential therapeutic drug for hepatic fibrosis and its outcomes. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 459-468.	2.5	61
3306	Transforming Growth Factor- $\beta$ 1 Modulates the Expression of Syndecan-4 in Cultured Vascular Endothelial Cells in a Biphasic Manner. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2009-2017.	1.2	17
3307	Tgfr2 is required in osterix expressing cells for postnatal skeletal development. <i>Bone</i> , 2017, 97, 54-64.	1.4	20
3308	The TGF- $\beta$ 2 Family in <i>Caenorhabditis elegans</i> . <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022178.	2.3	77
3309	A putative role for anti-Müllerian hormone (AMH) in optimising ovarian reserve expenditure. <i>Journal of Endocrinology</i> , 2017, 233, R1-R13.	1.2	54

#	ARTICLE	IF	CITATIONS
3310	miR-18a-5p Inhibits Sub-pleural Pulmonary Fibrosis by Targeting TGF- $\beta$ 2 Receptor II. <i>Molecular Therapy</i> , 2017, 25, 728-738.	3.7	57
3311	Targeting Epithelial-Mesenchymal Transition and Cancer Stem Cell. , 2017, , 295-307.		0
3313	EW-7197, an activin-like kinase 5 inhibitor, suppresses granulation tissue after stent placement in rat esophagus. <i>Gastrointestinal Endoscopy</i> , 2017, 86, 219-228.	0.5	28
3314	An assessment of the overexpression of <sc>BMP</sc> in transfected human osteoblast cells stimulated by mineral trioxide aggregate and Biodentine. <i>International Endodontic Journal</i> , 2017, 50, e9-e18.	2.3	30
3315	Next generation of small molecules in inflammatory bowel disease. <i>Gut</i> , 2017, 66, 199-209.	6.1	122
3316	TMED10 Protein Interferes with Transforming Growth Factor (TGF)- $\beta$ 2 Signaling by Disrupting TGF- $\beta$ 2 Receptor Complex Formation. <i>Journal of Biological Chemistry</i> , 2017, 292, 4099-4112.	1.6	25
3317	ALK5 kinase inhibitory activity and synthesis of 2,3,4-substituted 5,5-dimethyl-5,6-dihydro-4H-pyrrolo[1,2-b]pyrazoles. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 632-642.	2.6	8
3318	A low-frequency variant in SMAD7 modulates TGF- $\beta$ 2 signaling and confers risk for colorectal cancer in Chinese population. <i>Molecular Carcinogenesis</i> , 2017, 56, 1798-1807.	1.3	48
3319	Knockdown of miR-23, miR-27, and miR-24 Alters Fetal Liver Development and Blocks Fibrosis in Mice. <i>Gene Expression</i> , 2017, 17, 99-114.	0.5	18
3320	Molecular mechanisms of atrial fibrosis: implications for the clinic. <i>Expert Review of Cardiovascular Therapy</i> , 2017, 15, 247-256.	0.6	46
3321	Dibutyryl-cAMP attenuates pulmonary fibrosis by blocking myofibroblast differentiation via PKA/CREB/CBP signaling in rats with silicosis. <i>Respiratory Research</i> , 2017, 18, 38.	1.4	38
3322	Cytokines in liver, biliary, and pancreatic disease. , 2017, , 188-200.e3.		0
3323	Deriving cells expressing markers of female germ cells from premature ovarian failure patient-specific induced pluripotent stem cells. <i>Regenerative Medicine</i> , 2017, 12, 143-152.	0.8	7
3324	Signaling pathways and tissue interactions in neural plate border formation. <i>Neurogenesis (Austin, Tj)</i> 11:1078-1114. doi:10.1038/ng.431	1.5	11
3325	A postnatal role for embryonic myosin revealed by MYH3 mutations that alter TGF- $\beta$ 2 signaling and cause autosomal dominant spondylocarpotarsal synostosis. <i>Scientific Reports</i> , 2017, 7, 41803.	1.6	29
3326	TGF- $\beta$ 1 impairs mechanosensation of human osteoblasts via HDAC6-mediated shortening and distortion of primary cilia. <i>Journal of Molecular Medicine</i> , 2017, 95, 653-663.	1.7	46
3327	<sc>TGF</sc>- $\beta$ 1-induced leucine limitation uncovered by differential ribosome codon reading. <i>EMBO Reports</i> , 2017, 18, 549-557.	2.0	8
3328	Gremlin-1 suppression increases BMP-2-induced osteogenesis of human mesenchymal stem cells. <i>Molecular Medicine Reports</i> , 2017, 15, 2186-2194.	1.1	19

#	ARTICLE	IF	CITATIONS
3329	Binding and biologic characterization of recombinant human serum albumin-eTGFBR2 fusion protein expressed in CHO cells. <i>Bioengineered</i> , 2017, 8, 600-612.	1.4	5
3330	Benzo[a]pyrene impedes self-renewal and differentiation of mesenchymal stem cells and influences fracture healing. <i>Science of the Total Environment</i> , 2017, 587-588, 305-315.	3.9	25
3332	Fructose-1,6-bisphosphate decreases IL-8 levels and increases the activity of pro-apoptotic proteins in HepG2 cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 358-365.	2.5	10
3333	Activation of Wnt/ $\beta$ -catenin signalling is required for TGF $\beta$ /Smad2/3 signalling during myofibroblast proliferation. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1545-1554.	1.6	70
3334	Heat shock protein: a hot topic in idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2017, 49, 1602152.	3.1	13
3335	TGF- $\beta$ Family Signaling in Tumor Suppression and Cancer Progression. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022277.	2.3	345
3336	The <sc>TGF</sc>-induced up-regulation of <sc>NKG</sc>2<sc>DL</sc>s requires <sc>AKT</sc>/<sc>GSK</sc>-mediated stabilization of <sc>SP</sc>1. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 860-870.	1.6	12
3337	Fluid shear stress-induced TGF- $\beta$ /ALK5 signaling in renal epithelial cells is modulated by MEK1/2. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2283-2298.	2.4	27
3338	Targeting TGF- $\beta$ Signaling for Therapeutic Gain. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022301.	2.3	153
3339	TGFB1 represses the expression of SF1 and LRH1 to inhibit E2 production in rat LCs. <i>Reproduction</i> , 2017, 153, 621-629.	1.1	4
3340	Bone morphogenetic protein-7 (BMP-7) augments insulin sensitivity in mice with type II diabetes mellitus by potentiating PI3K/AKT pathway. <i>BioFactors</i> , 2017, 43, 195-209.	2.6	47
3341	FSTL3 is increased in renal dysfunction. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, 1637-1644.	0.4	18
3342	The kielin/chordin-like protein (KCP) attenuates high-fat diet-induced obesity and metabolic syndrome in mice. <i>Journal of Biological Chemistry</i> , 2017, 292, 9051-9062.	1.6	25
3343	Targeting Transforming Growth Factor- $\beta$ Signaling in Primary Open-Angle Glaucoma. <i>Journal of Glaucoma</i> , 2017, 26, 390-395.	0.8	42
3344	Anti-Allergic hormone signaling is influenced by Follistatin 288, but not 14 other transforming growth factor beta superfamily regulators. <i>Molecular Reproduction and Development</i> , 2017, 84, 626-637.	1.0	7
3345	Development of Mural Cells: From In Vivo Understanding to In Vitro Recapitulation. <i>Stem Cells and Development</i> , 2017, 26, 1020-1041.	1.1	12
3346	Treatment with the herbal formula Songyou Yin inhibits epithelial-mesenchymal transition in hepatocellular carcinoma through downregulation of TGF- $\beta$ 1 expression and inhibition of the SMAD2/3 signaling pathway. <i>Oncology Letters</i> , 2017, 13, 2309-2315.	0.8	9
3347	The Regulatory Effects of Transforming Growth Factor- $\beta$ on Nerve Regeneration. <i>Cell Transplantation</i> , 2017, 26, 381-394.	1.2	67

#	ARTICLE	IF	CITATIONS
3348	Single-Cell RNA-Seq Analysis Maps Development of Human Germline Cells and Gonadal Niche Interactions. <i>Cell Stem Cell</i> , 2017, 20, 858-873.e4.	5.2	376
3349	BMP type II receptor as a therapeutic target in pulmonary arterial hypertension. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2979-2995.	2.4	84
3350	Overexpression of CD109 in the Epidermis Differentially Regulates ALK1 Versus ALK5 Signaling and Modulates Extracellular Matrix Synthesis in the Skin. <i>Journal of Investigative Dermatology</i> , 2017, 137, 641-649.	0.3	19
3351	Silibinin inhibits the fibrotic responses induced by cigarette smoke via suppression of TGF- $\beta$ 1/Smad 2/3 signaling. <i>Food and Chemical Toxicology</i> , 2017, 106, 424-429.	1.8	30
3352	New treatment strategies for ulcerative colitis. <i>Expert Review of Clinical Immunology</i> , 2017, 13, 963-973.	1.3	36
3353	Extracellular matrix characterization in plaques from carotid endarterectomy by a proteomics approach. <i>Talanta</i> , 2017, 174, 341-346.	2.9	4
3354	Multiscale Systems Biology Model of Calcific Aortic Valve Disease Progression. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2922-2933.	2.6	10
3357	Effects of Tiliainin on Proliferation, Migration and TGF- $\beta$ 1/Smad Signaling in Rat Vascular Smooth Muscle Cells Induced with Angiotensin II. <i>Phytotherapy Research</i> , 2017, 31, 1240-1248.	2.8	15
3358	Sulfated Hyaluronan Derivatives Modulate TGF- $\beta$ 1:Receptor Complex Formation: Possible Consequences for TGF- $\beta$ 1 Signaling. <i>Scientific Reports</i> , 2017, 7, 1210.	1.6	30
3359	BNIP3L promotes cardiac fibrosis in cardiac fibroblasts through [Ca <sup>2+</sup> ] <sub>i</sub> -TGF- $\beta$ 2-Smad2/3 pathway. <i>Scientific Reports</i> , 2017, 7, 1906.	1.6	20
3360	TGF-Beta 3 signaling in redifferentiating passaged human articular chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2017, 25, S168-S169.	0.6	2
3361	Binding of coronin 1B to T $\beta$ RI negatively regulates the TGF $\beta$ 1 signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 574-579.	1.0	1
3362	Over-Expression of Activin- $\beta$ C Is Associated with Murine and Human Prostate Disease.. <i>Hormones and Cancer</i> , 2017, 8, 100-107.	4.9	2
3363	Assessing the anticancer effects associated with food products and/or nutraceuticals using in vitro and in vivo preclinical development-related pharmacological tests. <i>Seminars in Cancer Biology</i> , 2017, 46, 14-32.	4.3	22
3364	The lysine methyltransferase SMYD2 methylates the kinase domain of type II receptor BMPR2 and stimulates bone morphogenetic protein signaling. <i>Journal of Biological Chemistry</i> , 2017, 292, 12702-12712.	1.6	25
3365	Smad7 positively regulates keratinocyte proliferation in psoriasis. <i>British Journal of Dermatology</i> , 2017, 177, 1633-1643.	1.4	17
3366	The emerging role of interleukin-37 in cardiovascular diseases. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 373-379.	1.3	22
3367	Baicalin inhibits human osteosarcoma cells invasion, metastasis, and anoikis resistance by suppressing the transforming growth factor- $\beta$ 1-induced epithelial-to-mesenchymal transition. <i>Anti-Cancer Drugs</i> , 2017, 28, 581-587.	0.7	35



#	ARTICLE	IF	CITATIONS
3368	Hepatocyte-specific expression of constitutively active Alk5 exacerbates thioacetamide-induced liver injury in mice. <i>Heliyon</i> , 2017, 3, e00305.	1.4	2
3369	Therapeutic pro-fibrogenic signaling pathways in fibroblasts. <i>Advanced Drug Delivery Reviews</i> , 2017, 121, 57-84.	6.6	51
3370	Role of TGF- $\beta$ 2 in metastatic colon cancer: it is finally time for targeted therapy. <i>Cell and Tissue Research</i> , 2017, 370, 29-39.	1.5	80
3371	RNA-based ovarian cancer research from a gene to systems biomedicine™ perspective. <i>Systems Biology in Reproductive Medicine</i> , 2017, 63, 219-238.	1.0	18
3372	Circulating anti-Müllerian hormone (AMH) associates with the maturity of boys' drawings: Does AMH slow cognitive development in males?. <i>Endocrine</i> , 2017, 57, 528-534.	1.1	5
3373	Gene expression analysis of growth factor receptors in human chondrocytes in monolayer and 3D pellet cultures. <i>International Journal of Molecular Medicine</i> , 2017, 40, 10-20.	1.8	9
3374	Transforming growth factor $\beta$ 1 regulates the expression of <i>CCN2</i> in human keratinocytes via Smad-ERK signalling. <i>International Wound Journal</i> , 2017, 14, 1006-1018.	1.3	16
3375	Scleraxis is required for maturation of tissue domains for proper integration of the musculoskeletal system. <i>Scientific Reports</i> , 2017, 7, 45010.	1.6	83
3376	miR-202 Diminishes TGF $\beta$ 2 Receptors and Attenuates TGF $\beta$ 1-Induced EMT in Pancreatic Cancer. <i>Molecular Cancer Research</i> , 2017, 15, 1029-1039.	1.5	38
3377	ERK1/2 signaling is required for the initiation but not progression of TGF $\beta$ 2-induced lens epithelial to mesenchymal transition (EMT). <i>Experimental Eye Research</i> , 2017, 159, 98-113.	1.2	28
3378	Reduced expression of let-7f activates <i>TGF<math>\beta</math>2</i> / <i>ALK5</i> pathway and leads to impaired ischaemia-induced neovascularization after cigarette smoke exposure. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2211-2222.	1.6	26
3379	Transforming Growth Factor Beta Family in the Pathogenesis of Meningiomas. <i>World Neurosurgery</i> , 2017, 104, 113-119.	0.7	12
3380	Differential molecular regulation of processing and membrane expression of Type-I BMP receptors: implications for signaling. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2645-2662.	2.4	10
3381	Adipose tissue fibrosis in human cancer cachexia: the role of TGF $\beta$ 2 pathway. <i>BMC Cancer</i> , 2017, 17, 190.	1.1	65
3382	A Search for Genes Mediating the Growth-Promoting Function of TGF $\beta$ 2 in the <i>Drosophila melanogaster</i> Wing Disc. <i>Genetics</i> , 2017, 206, 231-249.	1.2	19
3383	Astaxanthin attenuated pressure overload-induced cardiac dysfunction and myocardial fibrosis: Partially by activating SIRT1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1715-1728.	1.1	38
3384	Bone morphogenetic protein 4 is overexpressed in and promotes migration and invasion of drug-resistant cancer cells. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 427-437.	3.6	8
3385	Whole exome sequencing of discordant diseases in Monozygotic twins with Down syndrome reveals mutations for Congenital Heart Defect and epileptic seizures. <i>Meta Gene</i> , 2017, 12, 134-137.	0.3	0

#	ARTICLE	IF	CITATIONS
3386	TGF- $\beta$ 2 Family Signaling in the Control of Cell Proliferation and Survival. Cold Spring Harbor Perspectives in Biology, 2017, 9, a022145.	2.3	390
3387	Regulation of TGF- $\beta$ 2 Family Signaling by Inhibitory Smads. Cold Spring Harbor Perspectives in Biology, 2017, 9, a022095.	2.3	327
3388	Garp as a therapeutic target for modulation of T regulatory cell function. Expert Opinion on Therapeutic Targets, 2017, 21, 191-200.	1.5	22
3389	Cloning, expression profiling and promoter functional analysis of Bone morphogenetic protein 6 and 7 in tongue sole ( <i>Cynoglossus semilaevis</i> ). Fish Physiology and Biochemistry, 2017, 43, 435-454.	0.9	5
3390	Upregulation of microRNA-574-3p in a human gastric cancer cell line AGS by TGF- $\beta$ 1. Gene, 2017, 605, 63-69.	1.0	26
3391	The DART Study: Results from the Dose-Escalation and Expansion Cohorts Evaluating the Combination of Dalantercept plus Axitinib in Advanced Renal Cell Carcinoma. Clinical Cancer Research, 2017, 23, 3557-3565.	3.2	19
3392	Mechanisms of pluripotency maintenance in mouse embryonic stem cells. Cellular and Molecular Life Sciences, 2017, 74, 1805-1817.	2.4	22
3393	Epigenetic Networks Regulate the Transcriptional Program in Memory and Terminally Differentiated CD8+ T Cells. Journal of Immunology, 2017, 198, 937-949.	0.4	55
3394	The Wound Microenvironment Reprograms Schwann Cells to Invasive Mesenchymal-like Cells to Drive Peripheral Nerve Regeneration. Neuron, 2017, 96, 98-114.e7.	3.8	245
3395	Mast cell chymase promotes hypertrophic scar fibroblast proliferation and collagen synthesis by activating TGF- $\beta$ 1/Smads signaling pathway. Experimental and Therapeutic Medicine, 2017, 14, 4438-4442.	0.8	27
3396	Transforming growth factor beta (TGF- $\beta$ 2) mediates cardiac fibrosis and induces diabetic cardiomyopathy. Diabetes Research and Clinical Practice, 2017, 133, 124-130.	1.1	163
3397	MiR-146a functions as a small silent player in gastric cancer. Biomedicine and Pharmacotherapy, 2017, 96, 238-245.	2.5	49
3398	The role of halofuginone in fibrosis: more to be explored?. Journal of Leukocyte Biology, 2017, 102, 1333-1345.	1.5	29
3399	Differences in bone structure and unloading-induced bone loss between C57BL/6N and C57BL/6J mice. Mammalian Genome, 2017, 28, 476-486.	1.0	29
3400	Interleukin 1 $\beta$ -induced SMAD2/3 linker modifications are TAK1 dependent and delay TGF- $\beta$ 2 signaling in primary human mesenchymal stem cells. Cellular Signalling, 2017, 40, 190-199.	1.7	14
3401	Growth factors regulate phospholipid biosynthesis in human fibroblast-like synoviocytes obtained from osteoarthritic knees. Scientific Reports, 2017, 7, 13469.	1.6	9
3402	Role and mechanism of AMH in the regulation of Sertoli cells in mice. Journal of Steroid Biochemistry and Molecular Biology, 2017, 174, 133-140.	1.2	27
3403	Transdifferentiation of myoblasts into osteoblasts – possible use for bone therapy. Journal of Pharmacy and Pharmacology, 2017, 69, 1661-1671.	1.2	10

#	ARTICLE	IF	CITATIONS
3404	TGF- $\beta$ 2 in Development and Ageing. <i>Healthy Ageing and Longevity</i> , 2017, , 127-148.	0.2	0
3405	Elucidating Mechanisms of Bladder Repair after Hyaluronan Instillation in Ketamine-Induced Ulcerative Cystitis in Animal Model. <i>American Journal of Pathology</i> , 2017, 187, 1945-1959.	1.9	28
3406	The roles of ubiquitin modifying enzymes in neoplastic disease. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 456-483.	3.3	35
3407	Silencing of TGF- $\beta$ 1 in tumor cells impacts MMP-9 in tumor microenvironment. <i>Scientific Reports</i> , 2017, 7, 8678.	1.6	41
3408	TGF- $\beta$ 2 participates choroid neovascularization through Smad2/3-VEGF/TNF- $\alpha$ signaling in mice with Laser-induced wet age-related macular degeneration. <i>Scientific Reports</i> , 2017, 7, 9672.	1.6	63
3409	TGF- $\beta$ 2 signaling regulates p-Akt levels via PP2A during diapause entry in the cotton bollworm, <i>Helicoverpa armigera</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 87, 165-173.	1.2	37
3410	TGF- $\beta$ 2 Signaling Is Necessary and Sufficient for Pharyngeal Arch Artery Angioblast Formation. <i>Cell Reports</i> , 2017, 20, 973-983.	2.9	19
3411	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017, 46, 4218-4244.	18.7	1,709
3412	Regulation of fetal male germ cell development by members of the TGF $\beta$ 2 superfamily. <i>Stem Cell Research</i> , 2017, 24, 174-180.	0.3	20
3413	Entanglement of GSK-3 $\beta$ , $\beta$ -catenin and TGF- $\beta$ 1 signaling network to regulate myocardial fibrosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 110, 109-120.	0.9	118
3414	Transforming Growth Factor $\beta$ 1/SMAD Signaling Pathway Activation Protects the Intestinal Epithelium from <i>Clostridium difficile</i> Toxin A-Induced Damage. <i>Infection and Immunity</i> , 2017, 85, .	1.0	27
3415	Identification of novel ALK2 inhibitors and their effect on cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 121-127.	1.0	11
3416	BMP-2 and BMP-9 binding specificities with ALK-3 in aqueous solution with dynamics. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 77, 181-188.	1.3	3
3417	Transforming growth factor $\beta$ 2 in liver cancer stem cells and regeneration. <i>Hepatology Communications</i> , 2017, 1, 477-493.	2.0	30
3418	Myofibroblast transdifferentiation: The dark force in ocular wound healing and fibrosis. <i>Progress in Retinal and Eye Research</i> , 2017, 60, 44-65.	7.3	246
3419	MiR-490-5p Suppresses Cell Proliferation and Invasion by Targeting BUB1 in Hepatocellular Carcinoma Cells. <i>Pharmacology</i> , 2017, 100, 269-282.	0.9	48
3420	Sustainability of CD24 expression, cell proliferation and migration, cisplatin-resistance, and caspase-3 expression during mesenchymal-epithelial transition induced by the removal of TGF- $\beta$ 1 in A549 lung cancer cells. <i>Oncology Letters</i> , 2017, 14, 2410-2416.	0.8	7
3421	Human Adipose Mesenchymal Cells Inhibit Melanocyte Differentiation and the Pigmentation of Human Skin via Increased Expression of TGF- $\beta$ 1. <i>Journal of Investigative Dermatology</i> , 2017, 137, 2560-2569.	0.3	28

#	ARTICLE	IF	CITATIONS
3422	ALK2/ALK3-BMP2/ACVR2A Mediate BMP2-Induced Downregulation of Pentraxin 3 Expression in Human Granulosa-Lutein Cells. <i>Endocrinology</i> , 2017, 158, 3501-3511.	1.4	26
3423	TGF- $\beta$ 1 Inhibits Human Trophoblast Cell Invasion by Upregulating Connective Tissue Growth Factor Expression. <i>Endocrinology</i> , 2017, 158, 3620-3628.	1.4	46
3424	Uev1A facilitates osteosarcoma differentiation by promoting Smurf1-mediated Smad1 ubiquitination and degradation. <i>Cell Death and Disease</i> , 2017, 8, e2974-e2974.	2.7	22
3425	The methyltransferase SET9 regulates TGF B-1 activation of renal fibroblasts via interaction with SMAD3. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	18
3426	Structural basis for genome wide recognition of 5-bp GC motifs by SMAD transcription factors. <i>Nature Communications</i> , 2017, 8, 2070.	5.8	81
3427	Constitutively Active SMAD2/3 Are Broad-Scope Potentiators of Transcription-Factor-Mediated Cellular Reprogramming. <i>Cell Stem Cell</i> , 2017, 21, 791-805.e9.	5.2	35
3428	Targeting Interleukin-1 $\beta$ Protects from Aortic Aneurysms Induced by Disrupted Transforming Growth Factor $\beta$ Signaling. <i>Immunity</i> , 2017, 47, 959-973.e9.	6.6	43
3429	Myokine mediated muscle-kidney crosstalk suppresses metabolic reprogramming and fibrosis in damaged kidneys. <i>Nature Communications</i> , 2017, 8, 1493.	5.8	117
3430	Activin A in Inflammation, Tissue Repair, and Fibrosis: Possible Role as Inflammatory and Fibrotic Mediator of Uterine Fibroid Development and Growth. <i>Seminars in Reproductive Medicine</i> , 2017, 35, 499-509.	0.5	27
3431	From the outside, from within: Biological and therapeutic relevance of signal transduction in T-cell acute lymphoblastic leukemia. <i>Cellular Signalling</i> , 2017, 38, 10-25.	1.7	25
3432	Atrophic Mandible Fractures: Are Bone Grafts Necessary? An Update. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 2391-2398.	0.5	13
3433	The role of TGF- $\beta$ 2 in the pathophysiology of peritoneal endometriosis. <i>Human Reproduction Update</i> , 2017, 23, 548-559.	5.2	118
3434	miR-203 inhibits the expression of collagen-related genes and the proliferation of hepatic stellate cells through a SMAD3-dependent mechanism. <i>Molecular Medicine Reports</i> , 2017, 16, 1248-1254.	1.1	9
3435	Smad5 acts as an intracellular pH messenger and maintains bioenergetic homeostasis. <i>Cell Research</i> , 2017, 27, 1083-1099.	5.7	34
3436	Genetic Adjuvantation of a Cell-Based Therapeutic Vaccine for Amelioration of Chagasic Cardiomyopathy. <i>Infection and Immunity</i> , 2017, 85, .	1.0	16
3437	Transforming Growth Factor $\beta$ 2/NR4A1-Inducible Breast Cancer Cell Migration and Epithelial-to-Mesenchymal Transition Is p38 (Mitogen-Activated Protein Kinase 14) Dependent. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	45
3438	Insights into innate immune signalling in controlling cardiac remodelling. <i>Cardiovascular Research</i> , 2017, 113, 1538-1550.	1.8	46
3439	RBM38 is involved in TGF- $\beta$ 2-induced epithelial-to-mesenchymal transition by stabilising zonula occludens-1 mRNA in breast cancer. <i>British Journal of Cancer</i> , 2017, 117, 675-684.	2.9	39

#	ARTICLE	IF	CITATIONS
3440	CD147-induced cell proliferation is associated with Smad4 signal inhibition. <i>Experimental Cell Research</i> , 2017, 358, 279-289.	1.2	10
3441	Mathematical model of TGF- $\beta$ 2 signalling: feedback coupling is consistent with signal switching. <i>BMC Systems Biology</i> , 2017, 11, 48.	3.0	18
3442	Revealing determinant factors for early breast cancer recurrence by decision tree. <i>Information Systems Frontiers</i> , 2017, 19, 1233-1241.	4.1	15
3443	Molecular characterization of two distinct Smads gene and their roles in the response to bacteria change and wound healing from <i>Hyriopsis cumingii</i> . <i>Fish and Shellfish Immunology</i> , 2017, 67, 129-140.	1.6	5
3444	Alterations of the nuclear transport system in hepatocellular carcinoma – New basis for therapeutic strategies. <i>Journal of Hepatology</i> , 2017, 67, 1051-1061.	1.8	25
3445	Structural Basis for Specific Interaction of TGF $\beta$ 2 Signaling Regulators SARA/Endofin with HD-PTP. <i>Structure</i> , 2017, 25, 1011-1024.e4.	1.6	12
3446	The long non-coding RNA GAS5 regulates transforming growth factor $\beta$ 2 (TGF- $\beta$ 2)-induced smooth muscle cell differentiation via RNA Smad-binding elements. <i>Journal of Biological Chemistry</i> , 2017, 292, 14270-14278.	1.6	54
3447	Store-operated calcium entry suppressed the TGF- $\beta$ 2/Smad3 signaling pathway in glomerular mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F729-F739.	1.3	17
3448	Endochondral Ossification in Critical-Sized Bone Defects via Readily Implantable Scaffold-Free Stem Cell Constructs. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1644-1659.	1.6	53
3449	Signaling via Smad2 and Smad3 is dispensable for adult murine hematopoietic stem cell function in vivo. <i>Experimental Hematology</i> , 2017, 55, 34-44.e2.	0.2	4
3450	Megakaryocytic Smad4 Regulates Platelet Function through Syk and ROCK2 Expression. <i>Molecular Pharmacology</i> , 2017, 92, 285-296.	1.0	5
3451	Role of TGF Beta and PPAR Alpha Signaling Pathways in Radiation Response of Locally Exposed Heart: Integrated Global Transcriptomics and Proteomics Analysis. <i>Journal of Proteome Research</i> , 2017, 16, 307-318.	1.8	39
3452	Cancer-associated fibroblasts regulate keratinocyte cell-cell adhesion via TGF- $\beta$ 2-dependent pathways in genotype-specific oral cancer. <i>Carcinogenesis</i> , 2017, 38, 76-85.	1.3	40
3453	Activin A-induced signalling controls hair follicle neogenesis. <i>Experimental Dermatology</i> , 2017, 26, 108-115.	1.4	6
3454	Non-Smad Signaling Pathways of the TGF- $\beta$ 2 Family. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022129.	2.3	496
3455	BMP4 promotes mouse iPS cell differentiation to male germ cells via Smad1/5, Gata4, Id1 and Id2. <i>Reproduction</i> , 2017, 153, 211-220.	1.1	20
3456	High Smad7 sustains inflammatory cytokine response in refractory coeliac disease. <i>Immunology</i> , 2017, 150, 356-363.	2.0	16
3457	Triazole RGD antagonist reverts TGF $\beta$ 21-induced endothelial-to-mesenchymal transition in endothelial precursor cells. <i>Molecular and Cellular Biochemistry</i> , 2017, 424, 99-110.	1.4	10

#	ARTICLE	IF	CITATIONS
3458	Inhibin-B secretion and FSH isoform distribution may play an integral part of follicular selection in the natural menstrual cycle. <i>Molecular Human Reproduction</i> , 2017, 23, 16-24.	1.3	56
3459	The role of genetics in pulmonary arterial hypertension. <i>Journal of Pathology</i> , 2017, 241, 273-280.	2.1	52
3460	Dietary phytochemicals for possible preventive and therapeutic option of uterine fibroids: Signaling pathways as target. <i>Pharmacological Reports</i> , 2017, 69, 57-70.	1.5	22
3461	Transforming Growth Factor $\beta$ Superfamily Signaling in Development of Colorectal Cancer. <i>Gastroenterology</i> , 2017, 152, 36-52.	0.6	181
3462	Programmable binary chimera aptamer probes for intelligent fluorescence imaging of cell membrane receptors. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 422-429.	4.0	8
3463	High-Intensity Focused Ultrasound and Radiation Therapy-Induced Immuno-Modulation: Comparison and Potential Opportunities. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 398-411.	0.7	27
3464	Effects of PTEN gene silencing on invasion and EMT in oral squamous carcinoma Tca8113 cells. <i>Journal of Oral Pathology and Medicine</i> , 2017, 46, 31-38.	1.4	5
3465	Fibrosis development in early-onset muscular dystrophies: Mechanisms and translational implications. <i>Seminars in Cell and Developmental Biology</i> , 2017, 64, 181-190.	2.3	74
3466	TIMAP repression by TGF $\beta$ and HDAC3-associated Smad signaling regulates macrophage M2 phenotypic phagocytosis. <i>Journal of Molecular Medicine</i> , 2017, 95, 273-285.	1.7	27
3467	TGF-beta receptor mediated telomerase inhibition, telomere shortening and breast cancer cell senescence. <i>Protein and Cell</i> , 2017, 8, 39-54.	4.8	31
3468	Genomic organization and modulation of gene expression of the TGF $\beta$ and FGF pathways in the allotetraploid frog <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 2017, 426, 336-359.	0.9	16
3469	Fine-tuning vascular fate during endothelial-mesenchymal transition. <i>Journal of Pathology</i> , 2017, 241, 25-35.	2.1	62
3470	Serine threonine kinase receptor associated protein regulates early follicle development in the mouse ovary. <i>Reproduction</i> , 2017, 153, 221-231.	1.1	10
3471	Helix-helix interactions in membrane domains of bitopic proteins: Specificity and role of lipid environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 561-576.	1.4	72
3472	Syndecans key regulators of cell signaling and biological functions. <i>FEBS Journal</i> , 2017, 284, 27-41.	2.2	217
3473	A protective role of IL-37 in cancer: a new hope for cancer patients. <i>Journal of Leukocyte Biology</i> , 2017, 101, 395-406.	1.5	46
3474	TGF $\beta$ signaling confers sorafenib resistance via induction of multiple RTKs in hepatocellular carcinoma cells. <i>Molecular Carcinogenesis</i> , 2017, 56, 1302-1311.	1.3	34
3475	Electrically Stimulated Adipose Stem Cells on Polypyrrole-Coated Scaffolds for Smooth Muscle Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1015-1026.	1.3	36

#	ARTICLE	IF	CITATIONS
3476	Transforming growth factor $\beta$ signaling is upregulated in sporadic inclusion body myositis. <i>Muscle and Nerve</i> , 2017, 55, 741-747.	1.0	9
3477	Molecular characterization of Activin Receptor Type IIA and its expression during gonadal maturation and growth stages in rohu carp. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 203, 1-10.	0.7	3
3478	Spatial and temporal expression of Smad signaling members during the development of mandibular condylar cartilage. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 4967-4971.	0.8	2
3479	Chitosan-based scaffolds for growth factor delivery. , 2017, , 175-207.		7
3480	Insights into Signaling and the Functional Complexity of Biological Membranes. <i>Journal of Membrane Biology</i> , 2017, 250, 335-336.	1.0	2
3481	Molecular docking analysis of curcumin analogues against kinase domain of ALK5. <i>In Silico Pharmacology</i> , 2017, 5, 15.	1.8	32
3482	MicroRNA-486-5p suppresses TGF $\beta$ 2-induced proliferation, invasion and epithelial $\rightarrow$ mesenchymal transition of lens epithelial cells by targeting Smad2. <i>Journal of Biosciences</i> , 2017, 42, 575-584.	0.5	30
3483	Title is missing!. <i>Comparative Endocrinology</i> , 2017, 43, 14-17.	0.0	0
3484	Effect of Compressive Force on TGF $\beta$ 1/2 Signaling Pathway in MC3T3-E1 Cells. <i>Journal of Hard Tissue Biology</i> , 2017, 26, 177-186.	0.2	3
3485	The TGF $\beta$ /Smad4 Signaling Pathway in Pancreatic Carcinogenesis and Its Clinical Significance. <i>Journal of Clinical Medicine</i> , 2017, 6, 5.	1.0	131
3486	Lower Expression of SLC27A1 Enhances Intramuscular Fat Deposition in Chicken via Down-Regulated Fatty Acid Oxidation Mediated by CPT1A. <i>Frontiers in Physiology</i> , 2017, 8, 449.	1.3	58
3487	Schisandrin B attenuates CCl $_4$ -induced liver fibrosis in rats by regulation of Nrf2-ARE and TGF $\beta$ /Smad signaling pathways. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 2179-2191.	2.0	81
3488	Integration of Signals. , 2017, , 463-486.		0
3489	Silica nanoparticles induce liver fibrosis via TGF $\beta$ 1/Smad3 pathway in ICR mice. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6045-6057.	3.3	67
3490	The Effect of Traditional Chinese Medicine on Neural Stem Cell Proliferation and Differentiation. , 2017, 8, 792.		13
3491	Role of Transforming Growth Factor $\beta$ in Uterine Fibroid Biology. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2435.	1.8	72
3492	Stromal Modulators of TGF $\beta$ in Cancer. <i>Journal of Clinical Medicine</i> , 2017, 6, 7.	1.0	129
3493	Mammary Gland Involution Provides a Unique Model to Study the TGF $\beta$ Cancer Paradox. <i>Journal of Clinical Medicine</i> , 2017, 6, 10.	1.0	24

#	ARTICLE	IF	CITATIONS
3494	TGF- $\beta$ 2 Signaling in Gastrointestinal Cancers: Progress in Basic and Clinical Research. <i>Journal of Clinical Medicine</i> , 2017, 6, 11.	1.0	35
3495	TGF- $\beta$ 1/Smad3 Signaling Pathway Mediates T-2 Toxin-Induced Decrease of Type II Collagen in Cultured Rat Chondrocytes. <i>Toxins</i> , 2017, 9, 359.	1.5	17
3496	Left Ventricular Noncompaction Cardiomyopathy. , 2017, , 153-171.		3
3497	Effect of FGF-2, TGF- $\beta$ 1, and BMPs on Teno/Ligamentogenesis and Osteo/Cementogenesis of Human Periodontal Ligament Stem Cells. <i>Molecules and Cells</i> , 2017, 40, 550-557.	1.0	62
3498	Effects of the Activin A-Follistatin System on Myocardial Cell Apoptosis through the Endoplasmic Reticulum Stress Pathway in Heart Failure. <i>International Journal of Molecular Sciences</i> , 2017, 18, 374.	1.8	18
3499	MicroRNA-181 Variants Regulate T Cell Phenotype in the Context of Autoimmune Neuroinflammation. <i>Frontiers in Immunology</i> , 2017, 8, 758.	2.2	60
3500	Developmental and Functional Control of Natural Killer Cells by Cytokines. <i>Frontiers in Immunology</i> , 2017, 8, 930.	2.2	203
3501	Cell Polarity in Cerebral Cortex Development-Cellular Architecture Shaped by Biochemical Networks. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 176.	1.8	36
3502	Curcumin Suppresses Intestinal Fibrosis by Inhibition of PPAR $\gamma$ -Mediated Epithelial-Mesenchymal Transition. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-12.	0.5	28
3503	Activin A Modulates CRIPTO-1/HNF4 $\alpha$ Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-17.	1.2	11
3504	Kinases. , 2017, , 9-56.		1
3505	TGF- $\beta$ 2 signaling is an effective target to impair survival and induce apoptosis of human cholangiocarcinoma cells: A study on human primary cell cultures. <i>PLoS ONE</i> , 2017, 12, e0183932.	1.1	33
3506	miR-27a induced by colon cancer cells in HLECs promotes lymphangiogenesis by targeting SMAD4. <i>PLoS ONE</i> , 2017, 12, e0186718.	1.1	32
3507	Roles of CD34+ cells and ALK5 signaling in the reconstruction of seminiferous tubule-like structures in 3-D re-aggregate culture of dissociated cells from neonatal mouse testes. <i>PLoS ONE</i> , 2017, 12, e0188705.	1.1	5
3508	Computational approach to reveal the modulation of Wnt and TGF- $\beta$ signalling induced by Solenopsin B, an ant venom alkaloid. <i>International Journal of Bioinformatics Research and Applications</i> , 2017, 13, 389.	0.1	0
3509	Polymodal allosteric regulation of Type 1 Serine/Threonine Kinase Receptors via a conserved electrostatic lock. <i>PLoS Computational Biology</i> , 2017, 13, e1005711.	1.5	16
3510	Diosgenin inhibits angiotensin II-induced extracellular matrix remodeling in cardiac fibroblasts through regulating the TGF- $\beta$ 1/Smad3 signaling pathway. <i>Molecular Medicine Reports</i> , 2017, 15, 2823-2828.	1.1	17
3511	Dynamics of chromatin accessibility during TGF- $\beta$ 2-induced EMT of Ras-transformed mammary gland epithelial cells. <i>Scientific Reports</i> , 2017, 7, 1166.	1.6	22



#	ARTICLE	IF	CITATIONS
3512	Alterations in Adiposity and Glucose Homeostasis in Adult Gasp-1 Overexpressing Mice. Cellular Physiology and Biochemistry, 2017, 44, 1896-1911.	1.1	9
3513	Smad7 as a Target for Immunomodulation Strategy in Inflammatory Bowel Diseases. Immunome Research, 2017, 13, .	0.1	0
3514	Hedyotis diffusa Willd suppresses metastasis in 5-fluorouracil-resistant colorectal cancer cells by regulating the TGF- $\beta$ 2 signaling pathway. Molecular Medicine Reports, 2017, 16, 7752-7758.	1.1	24
3515	Transcriptional and Epigenetic Control of Astroglialogenesis. , 2017, , 177-195.		1
3516	RACK1 silencing attenuates renal fibrosis by inhibiting TGF- $\beta$ 2 signaling. International Journal of Molecular Medicine, 2017, 40, 1965-1970.	1.8	8
3517	TGF- $\beta$ 2 signaling: A complex role in tumorigenesis (Review). Molecular Medicine Reports, 2018, 17, 699-704.	1.1	85
3518	Clinical use of stem cells in orthopaedics. , 2017, 33, 183-196.		70
3519	CUTL1 induces epithelial-mesenchymal transition in non-small cell lung cancer. Oncology Reports, 2017, 37, 3068-3074.	1.2	4
3520	Big Tumorigenesis Mechanisms in Systems Cancer Biology via Big Database Mining and Network Modeling. , 2017, , 431-526.		1
3521	Dynamic expression of transforming growth factor- $\beta$ 21 and caveolin-1 in the lung of Bleomycin-induced interstitial lung disease. Journal of Thoracic Disease, 2017, 9, 2360-2368.	0.6	5
3522	The role of transforming growth factor (TGF)- $\beta$ 2 in the infarcted myocardium. Journal of Thoracic Disease, 2017, 9, S52-S63.	0.6	108
3523	Soluble Guanylate Cyclase: A New Therapeutic Target for Fibrotic Diseases. Current Medicinal Chemistry, 2017, 24, 3203-3215.	1.2	5
3524	Compound mutations in <i>Bmpr1a</i> and <i>Tak1</i> synergize facial deformities via increased cell death. Genesis, 2018, 56, e23093.	0.8	14
3525	PIM1 mediates epithelial-mesenchymal transition by targeting Smads and c-Myc in the nucleus and potentiates clear-cell renal-cell carcinoma oncogenesis. Cell Death and Disease, 2018, 9, 307.	2.7	37
3526	A novel piperidine identified by stem cell-based screening attenuates pulmonary arterial hypertension by regulating BMP2 and PTGS2 levels. European Respiratory Journal, 2018, 51, 1702229.	3.1	18
3527	Angiotensin-converting enzyme inhibitor reduces scar formation by inhibiting both canonical and noncanonical TGF- $\beta$ 21 pathways. Scientific Reports, 2018, 8, 3332.	1.6	41
3528	Molecular Regulation of Bone Metastasis Pathogenesis. Cellular Physiology and Biochemistry, 2018, 46, 1423-1438.	1.1	52
3529	Molecular changes during TGF- $\beta$ 2-mediated lung fibroblast-myofibroblast differentiation: implication for glucocorticoid resistance. Physiological Reports, 2018, 6, e13669.	0.7	31

#	ARTICLE	IF	CITATIONS
3530	An investigation of oyster TGF- $\beta$ 2 receptor genes and their potential roles in early molluscan development. <i>Gene</i> , 2018, 663, 65-71.	1.0	13
3531	T Cell Receptor-Regulated TGF- $\beta$ 2 Type I Receptor Expression Determines T Cell Quiescence and Activation. <i>Immunity</i> , 2018, 48, 745-759.e6.	6.6	73
3532	Impact of bone marrow-derived signals on NK cell development and functional maturation. <i>Cytokine and Growth Factor Reviews</i> , 2018, 42, 13-19.	3.2	14
3533	Protective Effect of Znt7 on High Glucose-Induced Epithelial-to-Mesenchymal Transition in Renal Tubular Epithelial Cells. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 500-512.	0.9	12
3534	Exome Sequencing in Children With Pulmonary Arterial Hypertension Demonstrates Differences Compared With Adults. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e001887.	1.6	104
3535	Contextual determinants of TGF- $\beta$ 2 action in development, immunity and cancer. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 419-435.	16.1	557
3536	NIT1 suppresses tumour proliferation by activating the TGF- $\beta$ 2-Smad2/3 signalling pathway in colorectal cancer. <i>Cell Death and Disease</i> , 2018, 9, 263.	2.7	19
3537	Involvement of the ubiquitin-proteasome system in the expression of extracellular matrix genes in retinal pigment epithelial cells. <i>Biochemistry and Biophysics Reports</i> , 2018, 13, 83-92.	0.7	14
3538	Heterobicyclic inhibitors of transforming growth factor beta receptor I (TGF- $\beta$ 2RI). <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1026-1034.	1.4	23
3539	Combination effects of airborne particulate matter exposure and high-fat diet on hepatic fibrosis through regulating the ROS-endoplasmic reticulum stress-TGF- $\beta$ 2/SMADs axis in mice. <i>Chemosphere</i> , 2018, 199, 538-545.	4.2	30
3540	Lineage specific transcription factors and epigenetic regulators mediate TGF- $\beta$ 2-dependent enhancer activation. <i>Nucleic Acids Research</i> , 2018, 46, 3351-3365.	6.5	24
3541	Rosmarinic acid attenuates cardiac fibrosis following long-term pressure overload via AMPK $\alpha$ /Smad3 signaling. <i>Cell Death and Disease</i> , 2018, 9, 102.	2.7	106
3542	Pentachloropseudilin Inhibits Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) Activity by Accelerating Cell Surface Type II TGF- $\beta$ 2 Receptor Turnover in Target Cells. <i>ChemBioChem</i> , 2018, 19, 851-864.	1.3	16
3543	Angiogenin Attenuates Scar Formation in Burn Patients by Reducing Fibroblast Proliferation and Transforming Growth Factor $\beta$ 21 Secretion. <i>Annals of Plastic Surgery</i> , 2018, 80, S79-S83.	0.5	9
3544	Copper oxide nanoparticles induce collagen deposition via TGF- $\beta$ 21/Smad3 signaling in human airway epithelial cells. <i>Nanotoxicology</i> , 2018, 12, 239-250.	1.6	18
3545	Crosstalk between TGF- $\beta$ 2 signaling and epigenome. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 60-67.	0.9	32
3546	Curcumin inhibits TGF- $\beta$ 21-induced connective tissue growth factor expression through the interruption of Smad2 signaling in human gingival fibroblasts. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 1115-1123.	0.8	16
3547	Decreased TGFBR3/betaglycan expression enhances the metastatic abilities of renal cell carcinoma cells through TGF- $\beta$ 2-dependent and -independent mechanisms. <i>Oncogene</i> , 2018, 37, 2197-2212.	2.6	60

#	ARTICLE	IF	CITATIONS
3548	Brg1 promotes liver fibrosis via activation of hepatic stellate cells. <i>Experimental Cell Research</i> , 2018, 364, 191-197.	1.2	28
3549	Smad3&ndash;STAT3 crosstalk in pathophysiological contexts. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 82-90.	0.9	57
3550	Transdifferentiation of adipocytes to osteoblasts: potential for orthopaedic treatment. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 307-319.	1.2	8
3551	SUMOylation regulates TGF- $\beta$ 1/Smad4 signalling in-resistant glioma cells. <i>Anti-Cancer Drugs</i> , 2018, 29, 136-144.	0.7	6
3552	Genetic Basis of Aortic Disease. , 2018, , 91-100.		1
3553	The TGF $\beta$ 2 pathway is a key player for the endothelial-to-hematopoietic transition in the embryonic aorta. <i>Developmental Biology</i> , 2018, 434, 292-303.	0.9	11
3554	JUNB governs a feed-forward network of TGF $\beta$ 2 signaling that aggravates breast cancer invasion. <i>Nucleic Acids Research</i> , 2018, 46, 1180-1195.	6.5	77
3555	Molecular Classification of Hepatocellular Carcinoma and Precision Medicine. <i>Molecular Pathology Library</i> , 2018, , 33-47.	0.1	0
3556	Quantitative single-molecule study of TGF-&beta;/Smad signaling. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 51-59.	0.9	10
3557	CD109 and squamous cell carcinoma. <i>Journal of Translational Medicine</i> , 2018, 16, 88.	1.8	15
3558	Frizzled-8 integrates Wnt-11 and transforming growth factor- $\beta$ 2 signaling in prostate cancer. <i>Nature Communications</i> , 2018, 9, 1747.	5.8	79
3559	Smad4-TGF- $\beta$ 2 Signaling Pathways in Pancreatic Cancer Pathogenesis. , 2018, , 431-455.		2
3560	Canonical TGF- $\beta$ 2 Signaling Negatively Regulates Neuronal Morphogenesis through TGIF/Smad Complex-Mediated CRMP2 Suppression. <i>Journal of Neuroscience</i> , 2018, 38, 4791-4810.	1.7	39
3561	AAV6-Mediated IL-10 Expression in the Lung Ameliorates Bleomycin-Induced Pulmonary Fibrosis in Mice. <i>Human Gene Therapy</i> , 2018, 29, 1242-1251.	1.4	22
3562	S100A11 promotes <i>TGF- $\beta$ 1</i>-induced epithelialâ€“mesenchymal transition through <i>SMAD2/3</i> signaling pathway in intrahepatic cholangiocarcinoma. <i>Future Oncology</i> , 2018, 14, 837-847.	1.1	20
3563	Connective tissue growth factor expression after angiotensin II exposure is dependent on transforming growth factor- $\beta$ 2 signaling via the canonical Smad-dependent pathway in hypertensive induced myocardial fibrosis. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2018, 19, 147032031875935.	1.0	23
3564	Paraspeckle factor turns TGF- $\beta$ 1 pro-metastatic. <i>Nature Cell Biology</i> , 2018, 20, 367-369.	4.6	3
3565	Development and Characterization of an In Vitro Model for Radiation-Induced Fibrosis. <i>Radiation Research</i> , 2018, 189, 326.	0.7	11

#	ARTICLE	IF	CITATIONS
3566	PPAR $\delta$ Is Necessary for Radiation-Induced Activation of Noncanonical TGF $\beta$ 2 Signaling in the Heart. <i>Journal of Proteome Research</i> , 2018, 17, 1677-1689.	1.8	17
3567	Central role of dysregulation of TGF- $\beta$ 2/Smad in CKD progression and potential targets of its treatment. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 670-681.	2.5	250
3568	TRPC1/3/6 inhibition attenuates the TGF $\beta$ 1-induced epithelial-mesenchymal transition in gastric cancer via the Ras/Raf1/ERK signaling pathway. <i>Cell Biology International</i> , 2018, 42, 975-984.	1.4	34
3569	The orphan GPR50 receptor promotes constitutive TGF $\beta$ 2 receptor signaling and protects against cancer development. <i>Nature Communications</i> , 2018, 9, 1216.	5.8	31
3570	Improved erythroid differentiation of multiple human pluripotent stem cell lines in microcarrier culture by modulation of Wnt/ $\beta$ 2-Catenin signaling. <i>Haematologica</i> , 2018, 103, e279-e283.	1.7	9
3571	Hypoxia Promotes Ectopic Adhesion Ability of Endometrial Stromal Cells via TGF- $\beta$ 1/Smad Signaling in Endometriosis. <i>Endocrinology</i> , 2018, 159, 1630-1641.	1.4	37
3572	TGF- $\beta$ 2 Family Signaling in Mesenchymal Differentiation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a022202.	2.3	175
3573	Gene expression of bone morphogenetic proteins and jaw malformation in golden pompano ( <i>Trachinotus ovatus</i> ) larvae in different feeding regimes. <i>Journal of Applied Animal Research</i> , 2018, 46, 164-177.	0.4	11
3574	Transforming growth factor $\beta$ 2 induces bone marrow mesenchymal stem cell migration via noncanonical signals and N-cadherin. <i>Journal of Cellular Physiology</i> , 2018, 233, 201-213.	2.0	65
3575	Chimaphilin inhibits human osteosarcoma cell invasion and metastasis through suppressing the TGF- $\beta$ 1-induced epithelial-to-mesenchymal transition markers via PI-3K/Akt, ERK1/2, and Smad signaling pathways. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 1-7.	0.7	29
3576	Transforming growth factor $\beta$ 2, matrix metalloproteinases, and urokinase-type plasminogen activator interaction in the cancer epithelial to mesenchymal transition. <i>Developmental Dynamics</i> , 2018, 247, 382-395.	0.8	64
3577	Microvesicle-mediated delivery of miR-1343: impact on markers of fibrosis. <i>Cell and Tissue Research</i> , 2018, 371, 325-338.	1.5	14
3578	Down-regulation of TGF- $\beta$ 2 RII expression is correlated with tumor growth and invasion in non-functioning pituitary adenomas. <i>Journal of Clinical Neuroscience</i> , 2018, 47, 264-268.	0.8	11
3579	Melatonin promotes self-renewal of nestin-positive pancreatic stem cells through activation of the MT2/ERK/SMAD/nestin axis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 62-74.	1.9	11
3580	Pulmonary artery hypertension in childhood: The transforming growth factor- $\beta$ 2 superfamily-related genes. <i>Pediatrics and Neonatology</i> , 2018, 59, 112-119.	0.3	10
3581	Liuweiwuling tablets attenuate BDL-induced hepatic fibrosis via modulation of TGF- $\beta$ 2/Smad and NF- $\kappa$ B signaling pathways. <i>Journal of Ethnopharmacology</i> , 2018, 210, 232-241.	2.0	33
3582	Role of SMAD proteins in colitis-associated cancer: from known to the unknown. <i>Oncogene</i> , 2018, 37, 1-7.	2.6	29
3583	Humoral and Cellular Immune Dysregulation and Lung Cancer. , 2018, , 137-142.e3.		1

#	ARTICLE	IF	CITATIONS
3584	Endothelin B receptor promotes the proliferation and immune escape of malignant gliomas. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1230-1235.	1.9	8
3585	<i>Signaling Transduction and Metabolomics.</i> , 2018, , 68-78.		7
3586	Biomechanical stress in myocardial infarctions: can endothelin-1 and growth differentiation factor 15 serve as immunohistochemical markers?. <i>International Journal of Legal Medicine</i> , 2018, 132, 509-518.	1.2	9
3587	Strontium Promotes Transforming Growth Factors $\beta$ 1 and $\beta$ 2 Expression in Rat Chondrocytes Cultured In Vitro. <i>Biological Trace Element Research</i> , 2018, 184, 450-455.	1.9	7
3588	Genetics of pancreatic cancer and implications for therapy. <i>Abdominal Radiology</i> , 2018, 43, 404-414.	1.0	10
3589	Glutaminolysis is required for transforming growth factor- $\beta$ 1-induced myofibroblast differentiation and activation. <i>Journal of Biological Chemistry</i> , 2018, 293, 1218-1228.	1.6	126
3590	<i>Caenorhabditis elegans</i> DBL-1/BMP Regulates Lipid Accumulation via Interaction with Insulin Signaling. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 343-351.	0.8	33
3591	Understanding host-parasite relationship: the immune central nervous system microenvironment and its effect on brain infections. <i>Parasitology</i> , 2018, 145, 988-999.	0.7	14
3592	Hepatic Smad7 overexpression causes severe iron overload in mice. <i>Blood</i> , 2018, 131, 581-585.	0.6	10
3593	Altered TGF- $\beta$ 2 endocytic trafficking contributes to the increased signaling in Marfan syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 554-562.	1.8	16
3594	TGF- $\beta$ 2 signaling controls intrahepatic bile duct development may through regulating the Jagged1-Notch-Sox9 signaling axis. <i>Journal of Cellular Physiology</i> , 2018, 233, 5780-5791.	2.0	26
3595	GSK3 $\beta$ regulates ameloblast differentiation via Wnt and TGF- $\beta$ 2 pathways. <i>Journal of Cellular Physiology</i> , 2018, 233, 5322-5333.	2.0	20
3596	Transforming Growth Factor $\beta$ 2-Induced Proliferative Arrest Mediated by TRIM26-Dependent TAF7 Degradation and Its Antagonism by MYC. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	8
3597	Chrelin suppresses cardiac fibrosis of post-myocardial infarction heart failure rats by adjusting the activin A-follistatin imbalance. <i>Peptides</i> , 2018, 99, 27-35.	1.2	29
3598	<i>Pathobiology of Novel Approaches to Treatment.</i> , 2018, , 25-37.		0
3599	2-Amino-3-methylcarboxy-5-heptyl-thiophene (TJ191) is a selective anti-cancer small molecule that targets low TGF- $\beta$ RIII-expressing malignant T-cell leukemia/lymphoma cells. <i>Oncotarget</i> , 2018, 9, 6259-6269.	0.8	1
3600	Key Age-Imposed Signaling Changes That Are Responsible for the Decline of Stem Cell Function. <i>Sub-Cellular Biochemistry</i> , 2018, 90, 119-143.	1.0	6
3601	Biphasic Role of TGF- $\beta$ 2 in Cancer Progression: From Tumor Suppressor to Tumor Promotor. , 2018, , 455-455.		2

#	ARTICLE	IF	CITATIONS
3602	Role of miR-155 in immune regulation and its relevance in oral lichen planus (Review). <i>Experimental and Therapeutic Medicine</i> , 2018, 17, 575-586.	0.8	8
3603	Tissue-Specific Control of Tissue-Resident Memory T Cells. <i>Critical Reviews in Immunology</i> , 2018, 38, 79-103.	1.0	28
3604	SMAD proteins directly suppress <i>PAX2</i> transcription downstream of transforming growth factor-beta 1 (TGF- $\beta$ 1) signalling in renal cell carcinoma. <i>Oncotarget</i> , 2018, 9, 26852-26867.	0.8	14
3605	Physiological roles of activins in the human ovary. <i>Journal of Bio-X Research</i> , 2018, 1, 111-119.	0.3	4
3606	Loss of Myeloid-Specific TGF- $\beta$ 2 Signaling Decreases CTHRC1 to Downregulate bFGF and the Development of H1993-Induced Osteolytic Bone Lesions. <i>Cancers</i> , 2018, 10, 463.	1.7	8
3607	Effect of Banxia Xiexin decoction on <i>Helicobacter pylori</i> -related peptic ulcers and its possible mechanism via the TGF- $\beta$ 2/Smad signaling pathway. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> . 2018, 38, 419-426.	0.4	6
3608	Cellular Phenotype Plasticity in Cancer Dormancy and Metastasis. <i>Frontiers in Oncology</i> , 2018, 8, 505.	1.3	28
3609	Signaling pathways involved in the expression of SZNF and the target genes binding with SZNF related to cyadox. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 1879-1893.	2.5	7
3610	Roles of Smads Family and Alternative Splicing Variants of Smad4 in Different Cancers. <i>Journal of Cancer</i> , 2018, 9, 4018-4028.	1.2	29
3611	High-density human mesenchymal stem cell rings with spatiotemporally-controlled morphogen presentation as building blocks for engineering bone diaphyseal tissue. <i>Nanotheranostics</i> , 2018, 2, 128-143.	2.7	8
3612	Growth factor signalling in osteoarthritis. <i>Growth Factors</i> , 2018, 36, 187-195.	0.5	34
3613	miR-3607-3p suppresses non-small cell lung cancer (NSCLC) by targeting TGFBR1 and CCNE2. <i>PLoS Genetics</i> , 2018, 14, e1007790.	1.5	42
3614	The TGF- $\beta$ 1 Signaling Pathway as an Attractive Target in the Fibrosis Pathogenesis of Sjögren's Syndrome. <i>Mediators of Inflammation</i> , 2018, 2018, 1-14.	1.4	47
3615	Pathways regulating the expression of the immunomodulatory protein glycodelin in non-small cell lung cancer. <i>International Journal of Oncology</i> , 2019, 54, 515-526.	1.4	10
3616	Cell-Matrix Interactions and Matricrine Signaling in the Pathogenesis of Vascular Calcification. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 174.	1.1	43
3617	Fibroblast growth factor-transforming growth factor beta dialogues, endothelial cell to mesenchymal transition, and atherosclerosis. <i>Current Opinion in Lipidology</i> , 2018, 29, 397-403.	1.2	18
3618	Insight into Cellular Uptake and Intracellular Trafficking of Nanoparticles. <i>Nanoscale Research Letters</i> , 2018, 13, 339.	3.1	872
3619	Artemisinin derivatives inactivate cancer-associated fibroblasts through suppressing TGF- $\beta$ 2 signaling in breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 282.	3.5	67

#	ARTICLE	IF	CITATIONS
3620	LncRNAs in TGF- $\beta$ -Driven Tissue Fibrosis. <i>Non-coding RNA</i> , 2018, 4, 26.	1.3	29
3621	PSPC1 potentiates TGF- $\beta$ -dependent metastatic dissemination. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1472058.	0.3	7
3622	TGF- $\beta$ 1 promotes expression of fibrosis-related genes through the induction of histone variant H3.3 and histone chaperone HIRA. <i>Scientific Reports</i> , 2018, 8, 14060.	1.6	6
3623	Withdrawal. <i>Cardiovascular Therapeutics</i> , 2018, 36, e12468.	1.1	8
3624	Reovirus infection induces stabilization and up-regulation of cellular transcripts that encode regulators of TGF- $\beta$ signaling. <i>PLoS ONE</i> , 2018, 13, e0204622.	1.1	4
3625	The Role of the Extracellular Matrix and Its Molecular and Cellular Regulators in Cancer Cell Plasticity. <i>Frontiers in Oncology</i> , 2018, 8, 431.	1.3	267
3626	Aldo-Keto Reductases: Multifunctional Proteins as Therapeutic Targets in Diabetes and Inflammatory Disease. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1032, 173-202.	0.8	19
3627	Intronic miR-744 Inhibits Glioblastoma Migration by Functionally Antagonizing Its Host Gene MAP2K4. <i>Cancers</i> , 2018, 10, 400.	1.7	20
3628	Precision medicine based on tumorigenic signaling pathways for triple-negative breast cancer (Review). <i>Oncology Letters</i> , 2018, 16, 4984-4996.	0.8	27
3629	Pulmonary Arterial Hypertension and Hereditary Haemorrhagic Telangiectasia. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3203.	1.8	32
3630	Cardiac fibrosis: new insights into the pathogenesis. <i>International Journal of Biological Sciences</i> , 2018, 14, 1645-1657.	2.6	225
3631	Alcohol and Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	0.8	0
3632	Role of TGF- $\beta$ 2 in Alcohol-Induced Liver Disease. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1032, 93-104.	0.8	2
3633	A proteomics study to explore the role of adsorbed serum proteins for PC12 cell adhesion and growth on chitosan and collagen/chitosan surfaces. <i>International Journal of Energy Production and Management</i> , 2018, 5, 261-273.	1.9	18
3634	Discovery of 3-(4-sulfamoylnaphthyl)pyrazolo[1,5-a]pyrimidines as potent and selective ALK2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3356-3362.	1.0	19
3635	Modulation in the microRNA repertoire is responsible for the stage-specific effects of Akt suppression on murine neuroendocrine prostate cancer. <i>Heliyon</i> , 2018, 4, e00796.	1.4	6
3636	The CDR1as/miR-7/TGFBR2 Axis Modulates EMT in Silica-Induced Pulmonary Fibrosis. <i>Toxicological Sciences</i> , 2018, 166, 465-478.	1.4	85
3637	Vitamin D potentiates anti-tumor activity of 5-fluorouracil via modulating caspase-3 and TGF- $\beta$ 1 expression in hepatocellular carcinoma-induced in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 1218-1225.	0.7	13

#	ARTICLE	IF	CITATIONS
3638	A targeted transforming growth factor-beta (TGF- $\beta$ 2) blocker, TTB, inhibits tumor growth and metastasis. <i>Oncotarget</i> , 2018, 9, 23102-23113.	0.8	10
3639	TGF- $\beta$ 2 and BMPR2 Signaling in PAH: Two Black Sheep in One Family. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2585.	1.8	78
3640	An Update on the Therapeutic Potential of Stem Cells. <i>Methods in Molecular Biology</i> , 2018, 1842, 3-27.	0.4	3
3641	Extracellular matrix constitution and function for tissue regeneration and repair. , 2018, , 29-72.		8
3642	Transforming Growth Factor Beta Signaling in Dendritic Cells Is Required for Immunotolerance to Sperm in the Epididymis. <i>Frontiers in Immunology</i> , 2018, 9, 1882.	2.2	25
3643	Protein kinase CK2 activation is required for transforming growth factor $\beta$ 2-induced epithelial-mesenchymal transition. <i>Molecular Oncology</i> , 2018, 12, 1811-1826.	2.1	25
3644	Identification of small molecule inhibitors of ALK2: a virtual screening, density functional theory, and molecular dynamics simulations study. <i>Journal of Molecular Modeling</i> , 2018, 24, 262.	0.8	21
3645	IOP lowering effect of topical trans-resveratrol involves adenosine receptors and TGF- $\beta$ 2 signaling pathways. <i>European Journal of Pharmacology</i> , 2018, 838, 1-10.	1.7	17
3646	PARP12 (ARTD12) suppresses hepatocellular carcinoma metastasis through interacting with FHL2 and regulating its stability. <i>Cell Death and Disease</i> , 2018, 9, 856.	2.7	24
3647	Clove attenuates UVB-induced photodamage and repairs skin barrier function in hairless mice. <i>Food and Function</i> , 2018, 9, 4936-4947.	2.1	27
3648	Exploring major signaling cascades in melanomagenesis: a rationale route for targetted skin cancer therapy. <i>Bioscience Reports</i> , 2018, 38, .	1.1	28
3649	Angiotensin-converting enzyme inhibitor works as a scar formation inhibitor by down-regulating Smad and TGF- $\beta$ 2-activated kinase 1 (TAK1) pathways in mice. <i>British Journal of Pharmacology</i> , 2018, 175, 4239-4252. <sup>2.7</sup>		41
3650	Effects of ursolic acid on sub-lesional muscle pathology in a contusion model of spinal cord injury. <i>PLoS ONE</i> , 2018, 13, e0203042.	1.1	17
3651	Leishmania donovani mediated higher expression of CCL4 induces differential accumulation of CD4+CD56+NKT and CD8+CD56+NKT cells at infection site. <i>Cytokine</i> , 2018, 110, 306-315.	1.4	13
3652	TGF- $\beta$ 1-induced Amelotin gene expression is downregulated by Bax expression in mouse gingival epithelial cells. <i>Journal of Oral Science</i> , 2018, 60, 232-241.	0.7	6
3653	A Five-microRNA Signature for Survival Prognosis in Pancreatic Adenocarcinoma based on TCGA Data. <i>Scientific Reports</i> , 2018, 8, 7638.	1.6	51
3654	Synapse Elimination Triggered by BMP4 Exocytosis and Presynaptic BMP Receptor Activation. <i>Cell Reports</i> , 2018, 22, 919-929.	2.9	20
3655	Identification of genes involved in gonadal sex differentiation and the dimorphic expression pattern in Takifugu rubripes gonad at the early stage of sex differentiation. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 1275-1290.	0.9	31



#	ARTICLE	IF	CITATIONS
3656	TGF- $\hat{1}2$ concentrations and activity are down-regulated in the aqueous humor of patients with neovascular age-related macular degeneration. <i>Scientific Reports</i> , 2018, 8, 8053.	1.6	22
3657	Molecular cloning and characteristics analysis of <i>Pmtgfbr1</i> from <i>Pinctada fucata martensii</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 19, e00262.	2.1	1
3658	Epithelial Smad4 Deletion Up-Regulates Inflammation and Promotes Inflammation-Associated Cancer. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 257-276.	2.3	50
3659	TGF- $\hat{1}2$ 1 inhibits human trophoblast cell invasion by upregulating cyclooxygenase-2. <i>Placenta</i> , 2018, 68, 44-51.	0.7	31
3660	Biochemical Stimulus-Based Strategies for Meniscus Tissue Engineering and Regeneration. <i>BioMed Research International</i> , 2018, 2018, 1-15.	0.9	15
3661	TGF- $\hat{1}2$ and mesenchymal stromal cells in regenerative medicine, autoimmunity and cancer. <i>Cytokine and Growth Factor Reviews</i> , 2018, 43, 25-37.	3.2	87
3662	TGF- $\hat{1}2$ 1 Negatively Regulates the Number and Function of Hematopoietic Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 274-287.	2.3	39
3663	Insect-Borne Pathogens and Skin Interface. , 2018, , 193-238.		0
3664	Growth Factors in the Intestinal Tract. , 2018, , 71-101.		6
3665	MicroRNA-206 suppresses TGF- $\hat{1}2$ signalling to limit tumor growth and metastasis in lung adenocarcinoma. <i>Cellular Signalling</i> , 2018, 50, 25-36.	1.7	25
3666	Adipomyokines. , 2018, , 91-115.		0
3667	TGF- $\hat{1}2$ uses a novel mode of receptor activation to phosphorylate SMAD1/5 and induce epithelial-to-mesenchymal transition. <i>ELife</i> , 2018, 7, .	2.8	119
3668	Intracellular attenuation of BMP signaling via CKIP-1/Smurf1 is essential during neural crest induction. <i>PLoS Biology</i> , 2018, 16, e2004425.	2.6	28
3669	Bone morphogenetic protein 4 expression in the developing lumbosacral spinal cord of rat embryos with anorectal malformations. <i>International Journal of Developmental Neuroscience</i> , 2018, 69, 32-38.	0.7	2
3670	The MELAS mutation m.3243A>G promotes reactivation of fetal cardiac genes and an epithelial-mesenchymal transition-like program via dysregulation of miRNAs. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3022-3037.	1.8	12
3671	Dual Roles of Serine-Threonine Kinase Receptor-Associated Protein (STRAP) in Redox-Sensitive Signaling Pathways Related to Cancer Development. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	14
3672	Transcriptional up-regulation of the TGF- $\hat{1}2$ intracellular signaling transducer Mad of <i>Drosophila</i> larvae in response to parasitic nematode infection. <i>Innate Immunity</i> , 2018, 24, 349-356.	1.1	14
3673	Follistatin and Transforming Growth Factor $\hat{1}2$ (TGF $\hat{1}2$ ) Family. , 2018, , 211-221.		0

#	ARTICLE	IF	CITATIONS
3674	TGIF1 homeodomain interacts with Smad MH1 domain and represses TGF- $\beta$ signaling. <i>Nucleic Acids Research</i> , 2018, 46, 9220-9235.	6.5	37
3675	Telomeric noncoding RNA promotes mouse embryonic stem cell self-renewal through inhibition of TCF3 activity. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C712-C720.	2.1	9
3676	A novel role in skeletal segment regeneration of extracellular vesicles released from periodontal-ligament stem cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3805-3825.	3.3	77
3677	TGF $\beta$ -Induced Lung Cancer Cell Migration Is NR4A1-Dependent. <i>Molecular Cancer Research</i> , 2018, 16, 1991-2002.	1.5	27
3678	Identification and functional analysis of transforming growth factor- $\beta$ type I receptor (T $\beta$ R1) from <i>Scylla paramamosain</i> : The first evidence of T $\beta$ R1 involved in development and innate immunity in crustaceans. <i>Developmental and Comparative Immunology</i> , 2018, 88, 144-151.	1.0	12
3679	<sc>VCE</sc>â€004.3, a cannabidiol aminoquinone derivative, prevents bleomycinâ€induced skin fibrosis and inflammation through PPAR $\beta$ and CB<sub>2</sub> receptorâ€dependent pathways. <i>British Journal of Pharmacology</i> , 2018, 175, 3813-3831.	2.7	30
3680	Phase II evaluation of dalantercept in the treatment of persistent or recurrent epithelial ovarian cancer: An NRG Oncology/Gynecologic Oncology Group study. <i>Gynecologic Oncology</i> , 2018, 150, 466-470.	0.6	10
3681	MFAP2 promotes epithelial&ndash;mesenchymal transition in gastric cancer cells by activating TGF-&beta;/SMAD2/3 signaling pathway. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 4001-4017.	1.0	45
3682	Role of TGF- $\beta$ 1/Smad3-mediated fibrosis in drug resistance mechanism of prolactinoma. <i>Brain Research</i> , 2018, 1698, 204-212.	1.1	22
3683	Downregulation of miR-542-3p promotes cancer metastasis through activating TGF-&beta;/Smad signaling in hepatocellular carcinoma. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 1929-1939.	1.0	29
3684	Compound <i>Astragalus</i> and <i>Salvia miltiorrhiza</i> extract inhibits hepatocarcinogenesis via modulating TGF $\beta$ 1/T $\beta$ R and Imp7/8. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 1052-1060.	0.8	9
3685	Salidroside ameliorates autophagy and activation of hepatic stellate cells in mice via NF-&kappa;B and TGF-&beta;1/Smad3 pathways. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 1837-1853.	2.0	55
3686	Transcriptomic analysis reveals differentially expressed genes associated with wool length in rabbit. <i>Animal Genetics</i> , 2018, 49, 428-437.	0.6	6
3687	Physical interaction of STAT1 isoforms with TGF- $\beta$ receptors leads to functional crosstalk between two signaling pathways in epithelial ovarian cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 103.	3.5	35
3688	Transforming growth factor- $\beta$ 1 gene promoter -509C/T polymorphism in association with expression affects colorectal cancer development and depends on gender. <i>PLoS ONE</i> , 2018, 13, e0201775.	1.1	22
3689	VWC2 Increases Bone Formation Through Inhibiting Activin Signaling. <i>Calcified Tissue International</i> , 2018, 103, 663-674.	1.5	6
3690	In vitro and ex vivo anti-fibrotic effects of LY2109761, a small molecule inhibitor against TGF- $\beta$ . <i>Toxicology and Applied Pharmacology</i> , 2018, 355, 127-137.	1.3	11
3691	Advances in oncolytic adenovirus therapy for pancreatic cancer. <i>Cancer Letters</i> , 2018, 434, 56-69.	3.2	33

#	ARTICLE	IF	CITATIONS
3692	The Role, Involvement and Function(s) of Interleukin-35 and Interleukin-37 in Disease Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1149.	1.8	30
3693	Cellular and Molecular Mediators of Bone Metastatic Lesions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1709.	1.8	15
3694	Cyclic Nucleotide-Directed Protein Kinases in Cardiovascular Inflammation and Growth. <i>Journal of Cardiovascular Development and Disease</i> , 2018, 5, 6.	0.8	6
3695	Conditioned medium from bone marrow-derived mesenchymal stem cells inhibits vascular calcification through blockade of the BMP2-Smad1/5/8 signaling pathway. <i>Stem Cell Research and Therapy</i> , 2018, 9, 160.	2.4	24
3696	Computational investigation of TGF- $\beta$ 2 receptor inhibitors for treatment of idiopathic pulmonary fibrosis: Field-based QSAR model and molecular dynamics simulation. <i>Computational Biology and Chemistry</i> , 2018, 76, 139-150.	1.1	9
3697	Transcriptional downregulation of miR-133b by REST promotes prostate cancer metastasis to bone via activating TGF- $\beta$ 2 signaling. <i>Cell Death and Disease</i> , 2018, 9, 779.	2.7	37
3698	Novel Interplay Between Smad1 and Smad3 Phosphorylation via AGE Regulates the Progression of Diabetic Nephropathy. <i>Scientific Reports</i> , 2018, 8, 10548.	1.6	11
3699	BMP6 Downregulates GDNF Expression Through SMAD1/5 and ERK1/2 Signaling Pathways in Human Granulosa-Lutein Cells. <i>Endocrinology</i> , 2018, 159, 2926-2938.	1.4	22
3700	Anchor negatively regulates BMP signalling to control Drosophila wing development. <i>European Journal of Cell Biology</i> , 2018, 97, 308-317.	1.6	4
3701	Nuclear Transport and Accumulation of Smad Proteins Studied by Single-Molecule Microscopy. <i>Biophysical Journal</i> , 2018, 114, 2243-2251.	0.2	9
3702	The role of TGF- $\beta$ 2/SMAD4 signaling in cancer. <i>International Journal of Biological Sciences</i> , 2018, 14, 111-123.	2.6	379
3703	Deubiquitinase inhibitor PR-619 reduces Smad4 expression and suppresses renal fibrosis in mice with unilateral ureteral obstruction. <i>PLoS ONE</i> , 2018, 13, e0202409.	1.1	22
3704	Domains with highest heparan sulfate-binding affinity reside at opposite ends in BMP2/4 versus BMP5/6/7: Implications for function. <i>Journal of Biological Chemistry</i> , 2018, 293, 14371-14383.	1.6	30
3705	The SUMO System and TGF- $\beta$ 2 Signaling Interplay in Regulation of Epithelial-Mesenchymal Transition: Implications for Cancer Progression. <i>Cancers</i> , 2018, 10, 264.	1.7	21
3706	Rapamycin Upregulates Connective Tissue Growth Factor Expression in Hepatic Progenitor Cells Through TGF- $\beta$ 2-Smad2 Dependent Signaling. <i>Frontiers in Pharmacology</i> , 2018, 9, 877.	1.6	18
3707	Effects of Zearalenone Exposure on the TGF- $\beta$ 1/Smad3 Signaling Pathway and the Expression of Proliferation or Apoptosis Related Genes of Post-Weaning Gilts. <i>Toxins</i> , 2018, 10, 49.	1.5	27
3708	TGF- $\beta$ 1-SOX9 axis-inducible COL10A1 promotes invasion and metastasis in gastric cancer via epithelial-to-mesenchymal transition. <i>Cell Death and Disease</i> , 2018, 9, 849.	2.7	128
3709	ILDgenDB: integrated genetic knowledge resource for interstitial lung diseases (ILDs). <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	1.4	2

#	ARTICLE	IF	CITATIONS
3710	Developmental SMAD6 loss leads to blood vessel hemorrhage and disrupted endothelial cell junctions. <i>Developmental Biology</i> , 2018, 442, 199-209.	0.9	26
3711	Transforming growth factor- $\beta$ 1 ( $\text{TGF}\beta$ 1) induces mouse precartilaginous stem cell differentiation through $\text{TGF}\beta$ RII $\beta$ and $\text{CK}\beta$ 1 $\mu$ -catenin signalling. <i>International Journal of Experimental Pathology</i> , 2018, 99, 113-120.	0.6	5
3712	The Inflammatory Response of Urochordata: The Basic Process of the Ascidians' Innate Immunity. , 2018, , 521-590.		3
3713	Overexpression of GRB2 Enhances Epithelial to Mesenchymal Transition of A549 Cells by Upregulating SNAIL Expression. <i>Cells</i> , 2018, 7, 97.	1.8	20
3714	Cholesterol depletion enhances $\text{TGF}\beta$ 2 Smad signaling by increasing c-Jun expression through a PKR-dependent mechanism. <i>Molecular Biology of the Cell</i> , 2018, 29, 2494-2507.	0.9	12
3715	Trichostatin A Ameliorates Conjunctival Fibrosis in a Rat Trabeculectomy Model. , 2018, 59, 3115.		13
3716	In vitro study on role of $\beta$ FB protein in avian reovirus pathogenesis. <i>Oncotarget</i> , 2018, 9, 19569-19583.	0.8	2
3717	Hsa-miR-5582-3P regulatory effect on $\text{TGF}\beta$ 2 signaling through targeting of $\text{TGF}\beta$ RI1 , $\text{TGF}\beta$ RII2 , SMAD3 , and SMAD4 transcripts. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 9921-9930.	1.2	7
3718	Inactivating hepatic follistatin alleviates hyperglycemia. <i>Nature Medicine</i> , 2018, 24, 1058-1069.	15.2	71
3719	Role of cytokines and inflammation in heart function during health and disease. <i>Heart Failure Reviews</i> , 2018, 23, 733-758.	1.7	186
3720	$\text{TGF}\beta$ 2 and BMP signals regulate insect diapause through Smad1-POU-TFAM pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1239-1249.	1.9	21
3721	Linc00462 promotes pancreatic cancer invasiveness through the miR-665/ $\text{TGF}\beta$ RI1- $\text{TGF}\beta$ RII2/SMAD2/3 pathway. <i>Cell Death and Disease</i> , 2018, 9, 706.	2.7	97
3722	Oligonucleotide-Based Therapies for Inflammatory Bowel Disease. <i>BioDrugs</i> , 2018, 32, 331-338.	2.2	12
3723	Lactoferrin Promotes Osteogenesis through $\text{TGF}\beta$ 2 Receptor II Binding in Osteoblasts and Activation of Canonical $\text{TGF}\beta$ 2 Signaling in MC3T3-E1 Cells and C57BL/6J Mice. <i>Journal of Nutrition</i> , 2018, 148, 1285-1292.	1.3	19
3724	High SMAD7 and p-SMAD2,3 expression is associated with environmental enteropathy in children. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006224.	1.3	12
3725	Identification of UHRF2 as a Negative Regulator of Epithelial-Mesenchymal Transition and Its Clinical Significance in Esophageal Squamous Cell Carcinoma. <i>Oncology</i> , 2018, 95, 179-187.	0.9	19
3726	Inflammatory bowel disease: new therapies from antisense oligonucleotides. <i>Annals of Medicine</i> , 2018, 50, 361-370.	1.5	14
3727	Negative regulation of $\text{TGF}\beta$ ; by AMPK and implications in the treatment of associated disorders. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 523-531.	0.9	18

#	ARTICLE	IF	CITATIONS
3728	Wounding-induced upregulation of the Bone Morphogenic Protein signaling pathway in <i>Drosophila</i> promotes survival against parasitic nematode infection. <i>Gene</i> , 2018, 673, 112-118.	1.0	11
3729	Developmental pathways in the pathogenesis of lung fibrosis. <i>Molecular Aspects of Medicine</i> , 2019, 65, 56-69.	2.7	284
3730	Genes Regulating Immune Response and Amelogenesis Interact in Increasing the Susceptibility to Molar-Incisor Hypomineralization. <i>Caries Research</i> , 2019, 53, 217-227.	0.9	50
3731	The Molecular Circuitry Underlying Pluripotency in Embryonic and Induced Pluripotent Stem Cells. , 2019, , 49-63.		1
3732	Effect of Transcriptional Regulator ID3 on Pulmonary Arterial Hypertension and Hereditary Hemorrhagic Telangiectasia. <i>International Journal of Vascular Medicine</i> , 2019, 2019, 1-8.	0.4	2
3733	TGF- $\beta$ 2/Smad and Renal Fibrosis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1165, 347-364.	0.8	119
3734	Mesangial Cells and Renal Fibrosis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1165, 165-194.	0.8	62
3735	BMP-4 enhances epithelial mesenchymal transition and cancer stem cell properties of breast cancer cells via Notch signaling. <i>Scientific Reports</i> , 2019, 9, 11724.	1.6	44
3736	Regulatory T Cells Promote Overexpression of Lgr5 on Gastric Cancer Cells via TGF-beta1 and Confer Poor Prognosis in Gastric Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1741.	2.2	39
3737	Roles of Myosin-Mediated Membrane Trafficking in TGF- $\beta$ 2 Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3913.	1.8	10
3738	Lipid Head Group Parameterization for GROMOS 54A8: A Consistent Approach with Protein Force Field Description. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 5175-5193.	2.3	17
3739	Overexpression of ER $\beta$ inhibits the proliferation through regulating TNG- $\beta$ 2 signaling pathway in osteosarcoma. <i>Pathology Research and Practice</i> , 2019, 215, 152568.	1.0	2
3740	TGF- $\beta$ 21 signaling activates hepatic stellate cells through Notch pathway. <i>Cytotechnology</i> , 2019, 71, 881-891.	0.7	24
3741	The involvement of lipid raft pathway in suppression of TGF $\beta$ 2-mediated metastasis by tolfenamic acid in hepatocellular carcinoma cells. <i>Toxicology and Applied Pharmacology</i> , 2019, 380, 114696.	1.3	3
3742	Chemotropic signaling by BMP7 requires selective interaction at a key residue in ActRIIA. <i>Biology Open</i> , 2019, 8, .	0.6	8
3743	Immunomodulatory Effects of TGF- $\beta$ 2 Family Signaling within Intestinal Epithelial Cells and Carcinomas. <i>Gastrointestinal Disorders</i> , 2019, 1, 290-300.	0.4	6
3744	TGF- $\beta$ 2 Signaling Interferes With the <i>Drosophila</i> Innate Immune and Metabolic Response to Parasitic Nematode Infection. <i>Frontiers in Physiology</i> , 2019, 10, 716.	1.3	14
3745	Transforming growth factor beta 1 signaling is altered in the spinal cord and muscle of amyotrophic lateral sclerosis mice and patients. <i>Neurobiology of Aging</i> , 2019, 82, 48-59.	1.5	15

#	ARTICLE	IF	CITATIONS
3746	Cyclophilin A contributes to aortopathy induced by postnatal loss of smooth muscle TGFBR1. <i>FASEB Journal</i> , 2019, 33, 11396-11410.	0.2	6
3747	TGF- $\beta$ 2 Induces Gli1 in a Smad3-Dependent Manner Against Cerebral Ischemia/Reperfusion Injury After Isoflurane Post-conditioning in Rats. <i>Frontiers in Neuroscience</i> , 2019, 13, 636.	1.4	18
3748	CUB domain-containing protein 1 (CDCP1) binds transforming growth factor beta family members and increase TGF- $\beta$ 1 signaling pathway. <i>Experimental Cell Research</i> , 2019, 383, 111499.	1.2	10
3749	Single-Cell Analysis Reveals a Preexisting Drug-Resistant Subpopulation in the Luminal Breast Cancer Subtype. <i>Cancer Research</i> , 2019, 79, 4412-4425.	0.4	37
3750	The Activin-like ligand Dawdle regulates innate immune responses through modulating NF- $\beta$ signaling in mud crab <i>Scylla paramamosain</i> . <i>Developmental and Comparative Immunology</i> , 2019, 101, 103450.	1.0	8
3751	Inhibition of the ERK1/2-mTORC1 axis ameliorates proteinuria and the fibrogenic action of transforming growth factor- $\beta$ in Adriamycin-induced glomerulosclerosis. <i>Kidney International</i> , 2019, 96, 927-941.	2.6	16
3752	Emerging Roles of Anti-M $\beta$ gallican Hormone in Hypothalamic-Pituitary Function. <i>Neuroendocrinology</i> , 2019, 109, 218-229.	1.2	36
3753	The effects of CRISPR-Cas9 knockout of the TGF- $\beta$ 1 gene on antler cartilage cells in vitro. <i>Cellular and Molecular Biology Letters</i> , 2019, 24, 44.	2.7	11
3754	Adipocytes sensitize melanoma cells to environmental TGF- $\beta$ cues by repressing the expression of miR-211. <i>Science Signaling</i> , 2019, 12, .	1.6	20
3755	Furin inhibition prevents hypoxic and TGF $\beta$ -mediated blood-brain barrier disruption. <i>Experimental Cell Research</i> , 2019, 383, 111503.	1.2	13
3756	Evolution and Developmental Diversity of Skin Spines in Pufferfishes. <i>iScience</i> , 2019, 19, 1248-1259.	1.9	12
3757	Akt and Notch pathways mediate polyhexamethylene guanidine phosphate-induced epithelial-mesenchymal transition via ZEB2. <i>Toxicology and Applied Pharmacology</i> , 2019, 380, 114691.	1.3	24
3758	Failure of in vitro-cultured schistosomes to produce eggs: how does the parasite meet its needs for host-derived cytokines such as TGF- $\beta$ ?. <i>International Journal for Parasitology</i> , 2019, 49, 747-757.	1.3	7
3759	Acupuncture attenuates renal interstitial fibrosis via the TGF $\beta$ /Smad pathway. <i>Molecular Medicine Reports</i> , 2019, 20, 2267-2275.	1.1	8
3760	Prognostic Impact of Canonical TGF- $\beta$ Signaling in Urothelial Bladder Cancer. <i>Medicina (Lithuania)</i> , 2019, 55, 302.	0.8	16
3761	CDK8-Novel Therapeutic Opportunities. <i>Pharmaceuticals</i> , 2019, 12, 92.	1.7	29
3762	Protective effects of GPR120 agonist-programmed macrophages on renal interstitial fibrosis in unilateral ureteral obstruction (UUO) rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109172.	2.5	12
3763	<p><sup>+</sup> PD-1 inhibitors dependent CD8<sup>+</sup> T cells inhibit mouse colon cancer cell metastasis</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 6961-6971.	1.0	11

#	ARTICLE	IF	CITATIONS
3764	In vivo imaging of TGF $\beta$ 2 signalling components using positron emission tomography. <i>Drug Discovery Today</i> , 2019, 24, 2258-2272.	3.2	6
3765	The saturated fatty acid palmitate induces insulin resistance through Smad3-mediated down-regulation of FNDC5 in myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2019, 520, 619-626.	1.0	15
3766	Two-factor specification of apoptosis: TGF- $\beta$ 2 signaling acts cooperatively with ecdysone signaling to induce cell- and stage-specific apoptosis of larval neurons during metamorphosis in <i>Drosophila melanogaster</i> . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 972-989.	2.2	13
3767	Six2 is negatively correlated with prognosis and facilitates epithelial-mesenchymal transition via TGF- $\beta$ 2/Smad signal pathway in hepatocellular carcinoma. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2019, 18, 525-531.	0.6	10
3768	SPARCL1 promotes C2C12 cell differentiation via BMP7-mediated BMP/TGF- $\beta$ 2 cell signaling pathway. <i>Cell Death and Disease</i> , 2019, 10, 852.	2.7	20
3769	Let-7f-5p regulates TGFBR1 in glucocorticoid-inhibited osteoblast differentiation and ameliorates glucocorticoid-induced bone loss. <i>International Journal of Biological Sciences</i> , 2019, 15, 2182-2197.	2.6	31
3770	Facile Generation of Biomimetic-Supported Lipid Bilayers on Conducting Polymer Surfaces for Membrane Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43799-43810.	4.0	41
3771	Copy number gain of ZEB1 mediates a double-negative feedback loop with miR-33a-5p that regulates EMT and bone metastasis of prostate cancer dependent on TGF- $\beta$ 2 signaling. <i>Theranostics</i> , 2019, 9, 6063-6079.	4.6	50
3772	Self-assembled ternary poly(vinyl alcohol)-alginate-gelatin hydrogel with controlled-release nanoparticles for pancreatic differentiation of iPS cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 27-39.	2.7	12
3773	Homozygous missense variant in <i>BMPRI1A</i> resulting in BMPR signaling disruption and syndromic features. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e969.	0.6	8
3774	Identification and Profiling of Environmental Chemicals That Inhibit the TGF $\beta$ 2/SMAD Signaling Pathway. <i>Chemical Research in Toxicology</i> , 2019, 32, 2433-2444.	1.7	4
3775	MiR-195 and miR-497 suppress tumorigenesis in lung cancer by inhibiting SMURF2-induced TGF $\beta$ 2 receptor ubiquitination. <i>Molecular Oncology</i> , 2019, 13, 2663-2678.	2.1	62
3776	Structural basis for distinct roles of SMAD2 and SMAD3 in FOXH1 pioneer-directed TGF- $\beta$ 2 signaling. <i>Genes and Development</i> , 2019, 33, 1506-1524.	2.7	61
3777	Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , 2019, 12, .	1.6	64
3778	Integrin-Mediated TGF $\beta$ 2 Activation Modulates the Tumour Microenvironment. <i>Cancers</i> , 2019, 11, 1221.	1.7	62
3779	Cloning and functional analysis of BMP3 in the pearl oyster ( <i>Pinctada fucata</i> ). <i>Journal of Applied Animal Research</i> , 2019, 47, 250-261.	0.4	4
3780	Sequential stimulation with different concentrations of BMP4 promotes the differentiation of human embryonic stem cells into dental epithelium with potential for tooth formation. <i>Stem Cell Research and Therapy</i> , 2019, 10, 276.	2.4	18
3781	Photoirradiation after aminolevulinic acid treatment suppresses cancer cell proliferation through the HO-1/p21 pathway. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 10-17.	1.3	12

#	ARTICLE	IF	CITATIONS
3782	A comparative analysis of Smad-responsive motifs identifies multiple regulatory inputs for TGF- $\beta$ 2 transcriptional activation. <i>Journal of Biological Chemistry</i> , 2019, 294, 15466-15479.	1.6	18
3783	Effect of <i>Chrysanthemum indicum</i> Linn extract on melanogenesis through regulation of TGF- $\beta$ 2/JNK signaling pathway. <i>Food Science and Biotechnology</i> , 2019, 28, 1577-1582.	1.2	2
3784	Transcriptomic landscape regulated by the 14 types of bone morphogenetic proteins (BMPs) in lineage commitment and differentiation of mesenchymal stem cells (MSCs). <i>Genes and Diseases</i> , 2019, 6, 258-275.	1.5	58
3785	Hybrid Proton-Photon Inverse Planning for Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, E790.	0.4	0
3786	Induced degradation of protein kinases by bifunctional small molecules: a next-generation strategy. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 1237-1253.	2.5	16
3787	TGF- $\beta$ 2 induces periodontal ligament stem cell senescence through increase of ROS production. <i>Molecular Medicine Reports</i> , 2019, 20, 3123-3130.	1.1	19
3788	Traditional Chinese Medicine and regulatory roles on epithelial-mesenchymal transitions. <i>Chinese Medicine</i> , 2019, 14, 34.	1.6	13
3789	MicroRNA-133b targets TGF- $\beta$ 2 receptor I to inhibit TGF- $\beta$ 2-induced epithelial-mesenchymal transition and metastasis by suppressing the TGF- $\beta$ 2/SMAD pathway in breast cancer. <i>International Journal of Oncology</i> , 2019, 55, 1097-1109.	1.4	10
3790	Interplay between BMPs and Reactive Oxygen Species in Cell Signaling and Pathology. <i>Biomolecules</i> , 2019, 9, 534.	1.8	31
3791	Smad7 Controls Immunoregulatory PDL2/1-PD1 Signaling in Intestinal Inflammation and Autoimmunity. <i>Cell Reports</i> , 2019, 28, 3353-3366.e5.	2.9	40
3792	Allergen-induced asthma, chronic rhinosinusitis and transforming growth factor- $\beta$ 2 superfamily signaling: mechanisms and functional consequences. <i>Expert Review of Clinical Immunology</i> , 2019, 15, 1155-1170.	1.3	6
3793	Effect of Temperature Gradient on AlN Crystal Growth by Physical Vapor Transport Method. <i>Crystal Growth and Design</i> , 2019, 19, 6736-6742.	1.4	16
3794	A PINCH-1-Smurf1 signaling axis mediates mechano-regulation of BMP2 and stem cell differentiation. <i>Journal of Cell Biology</i> , 2019, 218, 3773-3794.	2.3	11
3795	Growth Differentiation Factor-15 (GDF-15) is a Biomarker of Muscle Wasting and Renal Dysfunction in Preoperative Cardiovascular Surgery Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 1576.	1.0	36
3796	Understanding toward the Biophysical Interaction of Polymeric Proanthocyanidins (Persimmon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18 <i>Food Chemistry</i> , 2019, 67, 11044-11052.	2.4	13
3797	New perspectives on the mechanisms establishing the dorsal-ventral axis of the spinal cord. <i>Current Topics in Developmental Biology</i> , 2019, 132, 417-450.	1.0	46
3798	Trabecular meshwork cells are a valuable resource for cellular therapy of glaucoma. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1678-1686.	1.6	9
3799	Early intervention of fractional carbon dioxide laser on fresh traumatic scar. <i>Lasers in Medical Science</i> , 2019, 34, 1317-1324.	1.0	7



#	ARTICLE	IF	CITATIONS
3800	Protective Effects of Activated Myofibroblasts in the Pressure-Overloaded Myocardium Are Mediated Through Smad-Dependent Activation of a Matrix-Preserving Program. <i>Circulation Research</i> , 2019, 124, 1214-1227.	2.0	96
3801	Physical Activity and Bone Health: What Is the Role of Immune System? A Narrative Review of the Third Way. <i>Frontiers in Endocrinology</i> , 2019, 10, 60.	1.5	50
3802	Adhesion Anisotropy Substrate with Janus Micropillar Arrays Guides Cell Polarized Migration and Division Cycle. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4308-4312.	7.2	7
3803	Chitosan Membrane Modified With a New Zinc(II)-Vanillin Complex Improves Skin Wound Healing in Diabetic Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 1511.	1.6	19
3804	Mechanical regulation of gene expression in cardiac myocytes and fibroblasts. <i>Nature Reviews Cardiology</i> , 2019, 16, 361-378.	6.1	134
3805	Transforming growth factor- $\beta$ 2 in pancreatic diseases: Mechanisms and therapeutic potential. <i>Pharmacological Research</i> , 2019, 142, 58-69.	3.1	19
3806	Hsa-miR-5195-3P induces downregulation of TGF $\beta$ 1, TGF $\beta$ 2, SMAD3 and SMAD4 supporting its tumor suppressive activity in HCT116 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 109, 1-7.	1.2	15
3807	Molecular Engineering of the TGF- $\beta$ Signaling Pathway. <i>Journal of Molecular Biology</i> , 2019, 431, 2644-2654.	2.0	31
3808	The intracellular domain of CX3CL1 regulates adult neurogenesis and Alzheimer's amyloid pathology. <i>Journal of Experimental Medicine</i> , 2019, 216, 1891-1903.	4.2	30
3809	Nobiletin and Derivatives: Functional Compounds from Citrus Fruit Peel for Colon Cancer Chemoprevention. <i>Cancers</i> , 2019, 11, 867.	1.7	93
3810	Aberrant NFATc1 signaling counteracts TGF $\beta$ -mediated growth arrest and apoptosis induction in pancreatic cancer progression. <i>Cell Death and Disease</i> , 2019, 10, 446.	2.7	12
3811	TGF- $\beta$ 1 protects colon tumor cells from apoptosis through $\beta$ -catenin/XAF1 suppression. <i>International Journal of Oncology</i> , 2019, 54, 2117-2126.	1.4	13
3812	Cancer Stem Cells: From Birth to Death. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2019, , 1-30.	0.1	1
3813	Opposing Effects of Growth and Differentiation Factors in Cell-Fate Specification. <i>Current Biology</i> , 2019, 29, 1963-1975.e5.	1.8	20
3814	Advances in the molecular regulation of endothelial BMP9 signalling complexes and implications for cardiovascular disease. <i>Biochemical Society Transactions</i> , 2019, 47, 779-791.	1.6	13
3815	Boosting Cancer Therapy with Organelle-Targeted Nanomaterials. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26529-26558.	4.0	159
3816	Lessons learned from SMAD4 loss in squamous cell carcinomas. <i>Molecular Carcinogenesis</i> , 2019, 58, 1648-1655.	1.3	11
3817	IL-7 is a Key Driver Cytokine in Spondyloarthritis?. <i>Journal of Immunology Research</i> , 2019, 2019, 1-7.	0.9	6

#	ARTICLE	IF	CITATIONS
3819	Pericytes in Hereditary Hemorrhagic Telangiectasia. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1147, 215-246.	0.8	6
3820	Transcript analysis reveals the involvement of NF- $\kappa$ B transcription factors for the activation of TGF- $\beta$ 2 signaling in nematode-infected <i>Drosophila</i> . <i>Immunogenetics</i> , 2019, 71, 501-510.	1.2	8
3821	Epidermal Growth Factor Stimulates Transforming Growth Factor-Beta Receptor Type II Expression In Corneal Epithelial Cells. <i>Scientific Reports</i> , 2019, 9, 8079.	1.6	20
3822	Hepatic Osteodystrophyâ€™Molecular Mechanisms Proposed to Favor Its Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2555.	1.8	43
3823	ALK5 is essential for tooth germ differentiation during tooth development. <i>Biotechnic and Histochemistry</i> , 2019, 94, 481-490.	0.7	9
3824	Transforming growth factor- $\beta$ 1/miR-143-3p/cystatin B axis is a therapeutic target in human ovarian cancer. <i>International Journal of Oncology</i> , 2019, 55, 267-276.	1.4	9
3825	Expression of transforming growth factor $\beta$ 2 and matrix metalloproteinases in the aqueous humor of patients with congenital ectopia lentis. <i>Molecular Medicine Reports</i> , 2019, 20, 559-566.	1.1	11
3826	Mechanistic insights from the LHX1-driven molecular network in building the embryonic head. <i>Development Growth and Differentiation</i> , 2019, 61, 327-336.	0.6	9
3827	Hepatic progenitor cell activation is induced by the depletion of the gut microbiome in mice. <i>MicrobiologyOpen</i> , 2019, 8, e873.	1.2	6
3828	Sequence environment of BMP-dependent <i>activating elements</i> controls transcriptional responses to Dpp signaling in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2019, 146, .	1.2	4
3829	Role of microRNAs in osteogenesis of stem cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 14136-14155.	1.2	21
3830	Insights into the cardioprotective properties of n-3 PUFAs against ischemic heart disease via modulation of the innate immune system. <i>Chemico-Biological Interactions</i> , 2019, 308, 20-44.	1.7	36
3831	Oncogenic Signaling in Tumorigenesis and Applications of siRNA Nanotherapeutics in Breast Cancer. <i>Cancers</i> , 2019, 11, 632.	1.7	26
3832	$\beta$ -Catenin/Smad3 Interaction Regulates Transforming Growth Factor- $\beta$ 2-Induced Epithelial to Mesenchymal Transition in the Lens. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2078.	1.8	39
3833	Human Marfan and Marfan-like Syndrome associated mutations lead to altered trafficking of the Type II TGF $\beta$ 2 receptor in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2019, 14, e0216628.	1.1	4
3834	$\beta$ -Ionone Protects Against UVB-Induced Photoaging in Human Dermal Fibroblasts. <i>Molecules</i> , 2019, 24, 1804.	1.7	18
3835	p300 Acetyltransferase Is a Cytoplasmic-to-Nucleus Shuttle for SMAD2/3 and TAZ Nuclear Transport in Transforming Growth Factor $\beta$ 2- Stimulated Hepatic Stellate Cells. <i>Hepatology</i> , 2019, 70, 1409-1423.	3.6	60
3836	TGF $\beta$ 2-induced SMAD4-dependent Apoptosis Proceeded by EMT in CRC. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1312-1322.	1.9	20

#	ARTICLE	IF	CITATIONS
3837	LncRNA EPR controls epithelial proliferation by coordinating Cdkn1a transcription and mRNA decay response to TGF- $\beta$ 2. <i>Nature Communications</i> , 2019, 10, 1969.	5.8	68
3838	Circular RNA CircCACTIN Promotes Gastric Cancer Progression by Sponging MiR-331-3p and Regulating TGFBR1 Expression. <i>International Journal of Biological Sciences</i> , 2019, 15, 1091-1103.	2.6	76
3839	Mesenchyme-specific deletion of Tgf- $\beta$ 21 in the embryonic lung disrupts branching morphogenesis and induces lung hypoplasia. <i>Laboratory Investigation</i> , 2019, 99, 1363-1375.	1.7	16
3840	Inflammation and fibrosis in murine models of heart failure. <i>Basic Research in Cardiology</i> , 2019, 114, 19.	2.5	234
3841	TGF- $\beta$ 2 Inhibitors in Metastatic Pancreatic Ductal Adenocarcinoma. <i>Journal of Gastrointestinal Cancer</i> , 2019, 50, 207-213.	0.6	33
3842	Overview of Pancreatic Cancer Biology. , 2019, , 1-11.		0
3843	A patent herbal drug Yi-Shen-Hua-Shi granule ameliorates C-BSA-induced chronic glomerulonephritis and inhibits TGF $\beta$ 2 signaling in rats. <i>Journal of Ethnopharmacology</i> , 2019, 236, 258-262.	2.0	14
3844	Znhit1 controls intestinal stem cell maintenance by regulating H2A.Z incorporation. <i>Nature Communications</i> , 2019, 10, 1071.	5.8	25
3845	Ski-related novel protein suppresses the development of diabetic nephropathy by modulating transforming growth factor $\beta$ 2 signaling and microRNA $\beta$ 21 expression. <i>Journal of Cellular Physiology</i> , 2019, 234, 17925-17936.	2.0	22
3846	Amelogenic transcriptome profiling in ameloblast-like cells derived from adult gingival epithelial cells. <i>Scientific Reports</i> , 2019, 9, 3736.	1.6	10
3847	MicroRNA in Lung Cancer Metastasis. <i>Cancers</i> , 2019, 11, 265.	1.7	55
3848	Physiological and Pathological Bases for Designing High Performance Drug Delivery Carriers. , 2019, , 1-17.		1
3849	Exomic and transcriptomic alterations of hereditary gingival fibromatosis. <i>Oral Diseases</i> , 2019, 25, 1374-1383.	1.5	6
3850	MicroRNAs as Potential Targets for Therapeutic Intervention With Metastasis of Non-small Cell Lung Cancer. <i>Cancer Genomics and Proteomics</i> , 2019, 16, 99-119.	1.0	48
3851	Targeting of dermal myofibroblasts through death receptor 5 arrests fibrosis in mouse models of scleroderma. <i>Nature Communications</i> , 2019, 10, 1128.	5.8	28
3852	MAPKAPK2: the master regulator of RNA-binding proteins modulates transcript stability and tumor progression. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 121.	3.5	76
3853	miR-582-3p and miR-582-5p Suppress Prostate Cancer Metastasis to Bone by Repressing TGF- $\beta$ 2 Signaling. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 91-104.	2.3	84
3854	Endothelial to Mesenchymal Transition: Role in Physiology and in the Pathogenesis of Human Diseases. <i>Physiological Reviews</i> , 2019, 99, 1281-1324.	13.1	325

#	ARTICLE	IF	CITATIONS
3855	<p>miR-140-5p alleviates the aggressive progression of Wilms's tumor through directly targeting <em>TGFB1</em> gene</p>. Cancer Management and Research, 2019, Volume 11, 1641-1651.	0.9	6
3856	Blockade of RGMb inhibits allergen-induced airways disease. Journal of Allergy and Clinical Immunology, 2019, 144, 94-108.e11.	1.5	12
3857	Collagen density regulates the activity of tumor-infiltrating T cells. , 2019, 7, 68.		239
3858	Stroma in normal and cancer wound healing. FEBS Journal, 2019, 286, 2909-2920.	2.2	27
3859	Antisense Oligonucleotide: Basic Concepts and Therapeutic Application in Inflammatory Bowel Disease. Frontiers in Pharmacology, 2019, 10, 305.	1.6	74
3860	Insulin-like growth factor binding protein-4 exerts antifibrotic activity by reducing levels of connective tissue growth factor and the C-X-C chemokine receptor 4. FASEB BioAdvances, 2019, 1, 167-179.	1.3	28
3861	Expression and transcriptional regulation of <i>gsdf</i> in spotted scat ( <i>Scatophagus argus</i> ). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 233, 35-45.	0.7	26
3862	Serine/Threonine Protein Kinase STK16. International Journal of Molecular Sciences, 2019, 20, 1760.	1.8	9
3863	Intracellular pH dynamics and charge-changing somatic mutations in cancer. Cancer and Metastasis Reviews, 2019, 38, 17-24.	2.7	19
3864	Bioreactor-Controlled Physoxia Regulates TGF- $\beta^2$ Signaling to Alter Extracellular Matrix Synthesis by Human Chondrocytes. International Journal of Molecular Sciences, 2019, 20, 1715.	1.8	23
3865	Core and biological motif of self-assembling peptide nanofiber induce a stronger electrostatic interaction than BMP2 with BMP2 receptor 1A. Materials Science and Engineering C, 2019, 101, 148-158.	3.8	13
3866	A novel mechanism of Smads/miR-675/TGF- $\beta^1$ axis modulating the proliferation and remodeling of mouse cardiac fibroblasts. Journal of Cellular Physiology, 2019, 234, 20275-20285.	2.0	21
3867	CDKL5 deficiency predisposes neurons to cell death through the deregulation of SMAD3 signaling. Brain Pathology, 2019, 29, 658-674.	2.1	17
3868	Adhesion Anisotropy Substrate with Janus Micropillar Arrays Guides Cell Polarized Migration and Division Cycle. Angewandte Chemie, 2019, 131, 4352-4356.	1.6	0
3869	The basics of epithelial-mesenchymal transition (EMT): A study from a structure, dynamics, and functional perspective. Journal of Cellular Physiology, 2019, 234, 14535-14555.	2.0	159
3870	A Phase Ib, Open-Label Study of Dalantercept, an Activin Receptor-Like Kinase 1 Ligand Trap, plus Sorafenib in Advanced Hepatocellular Carcinoma. Oncologist, 2019, 24, 161-e70.	1.9	12
3871	Systemic Blockade of ACVR2B Ligands Protects Myocardium from Acute Ischemia-Reperfusion Injury. Molecular Therapy, 2019, 27, 600-610.	3.7	25
3872	Connective tissue growth factor mediates transforming growth factor $\beta^2$ -induced collagen expression in human endometrial stromal cells. PLoS ONE, 2019, 14, e0210765.	1.1	22

#	ARTICLE	IF	CITATIONS
3873	The adipokine fibrokin activin A is associated with metabolic abnormalities and left ventricular diastolic dysfunction in obese patients. <i>ESC Heart Failure</i> , 2019, 6, 362-370.	1.4	16
3874	A Neuron-Glial Trans-Signaling Cascade Mediates LRRK2-Induced Neurodegeneration. <i>Cell Reports</i> , 2019, 26, 1774-1786.e4.	2.9	15
3875	MSC-regulated lncRNA MACC1-AS1 promotes stemness and chemoresistance through fatty acid oxidation in gastric cancer. <i>Oncogene</i> , 2019, 38, 4637-4654.	2.6	201
3876	MnTE-2-PyP Attenuates TGF- $\beta$ -Induced Epithelial-Mesenchymal Transition of Colorectal Cancer Cells by Inhibiting the Smad2/3 Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	1.9	14
3877	TGF- $\beta$ Superfamily Regulation of Follicle-Stimulating Hormone Synthesis by Gonadotrope Cells: Is There a Role for Bone Morphogenetic Proteins?. <i>Endocrinology</i> , 2019, 160, 675-683.	1.4	15
3878	The role of TGF $\beta$ in hematopoiesis and myeloid disorders. <i>Leukemia</i> , 2019, 33, 1076-1089.	3.3	39
3879	Increased TGF- $\beta$ and BMP Levels and Improved Chondrocyte-Specific Marker Expression In Vitro under Cartilage-Specific Physiological Osmolarity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 795.	1.8	22
3880	Myalgic encephalomyelitis or chronic fatigue syndrome: how could the illness develop?. <i>Metabolic Brain Disease</i> , 2019, 34, 385-415.	1.4	50
3881	Fighting liver fibrosis to reduce mortality associated with chronic liver diseases: The importance of new molecular targets and biomarkers. <i>EBioMedicine</i> , 2019, 40, 35-36.	2.7	6
3882	Protein interaction network analysis of TGF- $\beta$ signalling pathway enabled EMT process to anticipate the anticancer activity of curcumin. <i>International Journal of Computational Biology and Drug Design</i> , 2019, 12, 54.	0.3	3
3883	Expression and potential regulation of miRNA-431 during lung development of Sprague-Dawley rats. <i>Molecular Medicine Reports</i> , 2019, 19, 4980-4988.	1.1	1
3884	Expression and significance of c-kit and epithelial-mesenchymal transition (EMT) molecules in thymic epithelial tumors (TETs). <i>Journal of Thoracic Disease</i> , 2019, 11, 4602-4612.	0.6	10
3885	HIC-5 in cancer-associated fibroblasts contributes to esophageal squamous cell carcinoma progression. <i>Cell Death and Disease</i> , 2019, 10, 873.	2.7	25
3886	Antifibrotic Effects of Sakuraso-Saponin in Primary Cultured Pterygium Fibroblasts in Comparison With Mitomycin C. , 2019, 60, 4784.		8
3887	Myhre syndrome: a report of six Chinese patients and literature review. <i>Clinical Dysmorphology</i> , 2019, 28, 143-148.	0.1	7
3888	Elucidation of molecular pathways responsible for the accelerated wound healing induced by a novel fibrous chitin dressing. <i>Biomaterials Science</i> , 2019, 7, 5247-5257.	2.6	17
3889	&lt;p&gt;Blocking TGF- $\beta$ Signaling To Enhance The Efficacy Of Immune Checkpoint Inhibitor&lt;/p&gt;. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 9527-9538.	1.0	93
3890	TGF $\beta$ Family Signaling Pathways in Pluripotent and Teratocarcinoma Stem Cells <sup>TM</sup> Fate Decisions: Balancing Between Self-Renewal, Differentiation, and Cancer. <i>Cells</i> , 2019, 8, 1500.	1.8	29

#	ARTICLE	IF	CITATIONS
3891	DNA methylation in AgRP neurons regulates voluntary exercise behavior in mice. <i>Nature Communications</i> , 2019, 10, 5364.	5.8	26
3892	Transforming Growth Factor- $\beta$ Signaling Pathway in Colorectal Cancer and Its Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5822.	1.8	147
3893	Novel Aspects of Follistatin/Transforming Growth Factor- $\beta$ (TGF- $\beta$ ) Signaling in Adipose Tissue Metabolism: Implications in Metabolic Health. , 0, , .		3
3894	Myostatin Increases Smad2 Phosphorylation and Atrogin-1 Expression in Chick Embryonic Myotubes. <i>Journal of Poultry Science</i> , 2019, 56, 224-230.	0.7	12
3895	Activation of both transforming growth factor- $\beta$ and bone morphogenetic protein signalling pathways upon traumatic brain injury restrains pro-inflammatory and boosts tissue reparatory responses of reactive astrocytes and microglia. <i>Brain Communications</i> , 2019, 1, fcz028.	1.5	26
3896	Reprogrammed Cells Display Distinct Proteomic Signatures Associated with Colony Morphology Variability. <i>Stem Cells International</i> , 2019, 2019, 1-16.	1.2	13
3897	Betaglycan (T $\beta$ R11) is a Key Factor in TGF- $\beta$ 2 Signaling in Prepubertal Rat Sertoli Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6214.	1.8	9
3898	&lt;p>&gt;Branched Chain Amino Acids Protects Rat Mesangial Cells from High Glucose by Modulating TGF- $\beta$ 1 and BMP-7&lt;/p>&gt;. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 2433-2440.	1.1	5
3899	RASSF10 Is a TGF $\beta$ -Target That Regulates ASPP2 and E-Cadherin Expression and Acts as Tumor Suppressor That Is Epigenetically Downregulated in Advanced Cancer. <i>Cancers</i> , 2019, 11, 1976.	1.7	8
3900	TGF $\beta$ , smooth muscle cells and coronary artery disease: a review. <i>Cellular Signalling</i> , 2019, 53, 90-101.	1.7	75
3901	Chebularic acid and Chebulinic acid inhibit TGF- $\beta$ 1 induced fibrotic changes in the chorio-retinal endothelial cells by inhibiting ERK phosphorylation. <i>Microvascular Research</i> , 2019, 121, 14-23.	1.1	12
3902	Multipoint targeting of TGF- $\beta$ /Wnt transactivation circuit with microRNA 384-5p for cardiac fibrosis. <i>Cell Death and Differentiation</i> , 2019, 26, 1107-1123.	5.0	30
3903	Forkhead box protein A1 confers resistance to transforming growth factor- $\beta$ 1-induced apoptosis in breast cancer cells through inhibition of Smad3 nuclear translocation. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 2259-2270.	1.2	4
3904	Has2 natural antisense RNA and Hmga2 promote Has2 expression during TGF $\beta$ -induced EMT in breast cancer. <i>Matrix Biology</i> , 2019, 80, 29-45.	1.5	43
3905	The Function and Regulatory Network of <i>Pax9</i> Gene in Palate Development. <i>Journal of Dental Research</i> , 2019, 98, 277-287.	2.5	19
3906	TGF- $\beta$ as Multifaceted Orchestrator in HCC Progression: Signaling, EMT, Immune Microenvironment, and Novel Therapeutic Perspectives. <i>Seminars in Liver Disease</i> , 2019, 39, 053-069.	1.8	78
3907	The activin signaling transcription factor Smox is an essential regulator of appendage size during regeneration after autotomy in the crayfish. <i>Evolution &amp; Development</i> , 2019, 21, 44-55.	1.1	8
3908	Serial transplantation reveals a critical role for endoglin in hematopoietic stem cell quiescence. <i>Blood</i> , 2019, 133, 688-696.	0.6	15

#	ARTICLE	IF	CITATIONS
3909	The Role of TGF- $\beta$ 2 and Its Receptors in Gastrointestinal Cancers. <i>Translational Oncology</i> , 2019, 12, 475-484.	1.7	71
3910	NEO212, a conjugate of temozolomide and perillyl alcohol, blocks the endothelial-to-mesenchymal transition in tumor-associated brain endothelial cells in glioblastoma. <i>Cancer Letters</i> , 2019, 442, 170-180.	3.2	21
3911	ACVR1C/SMAD2 signaling promotes invasion and growth in retinoblastoma. <i>Oncogene</i> , 2019, 38, 2056-2075.	2.6	33
3912	Ceramide kinase regulates the migration of bone marrow-derived mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 361-367.	1.0	10
3913	High-Throughput, Biosensor-Based Approach to Examine Bone Morphogenetic Protein (BMP) Receptor Interactions. <i>Methods in Molecular Biology</i> , 2019, 1891, 37-49.	0.4	4
3914	Mutagenesis and Imaging Studies of BMP Signaling Mechanisms in <i>C. elegans</i> . <i>Methods in Molecular Biology</i> , 2019, 1891, 51-73.	0.4	7
3916	Starvation reduces hyaluronan synthesis by suppressing TGF- $\beta$ 1/IGF-I signaling in rat skin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 511-517.	0.6	0
3917	TGF- $\beta$ 2 mediates collagen production in human CRSsNP nasal mucosa-derived fibroblasts through Smad2/3-dependent pathway and CTGF induction and secretion. <i>Journal of Cellular Physiology</i> , 2019, 234, 10489-10499.	2.0	17
3918	Canonical BMP signaling in tubular cells mediates recovery after acute kidney injury. <i>Kidney International</i> , 2019, 95, 108-122.	2.6	40
3919	Fibrotic Signaling in Cardiomyopathies. <i>Molecular and Translational Medicine</i> , 2019, , 273-317.	0.4	1
3920	Preclinical Evaluation of AZ12601011 and AZ12799734, Inhibitors of Transforming Growth Factor Superfamily Type 1 Receptors. <i>Molecular Pharmacology</i> , 2019, 95, 222-234.	1.0	20
3921	Protein and Peptide Hormone Action. , 2019, , 43-50.		0
3922	Alternative Splice Forms of CYLD Mediate Ubiquitination of SMAD7 to Prevent TGFB Signaling and Promote Colitis. <i>Gastroenterology</i> , 2019, 156, 692-707.e7.	0.6	24
3923	TETs Regulate Proepicardial Cell Migration through Extracellular Matrix Organization during Zebrafish Cardiogenesis. <i>Cell Reports</i> , 2019, 26, 720-732.e4.	2.9	22
3924	Autocrine CTHRC1 activates hepatic stellate cells and promotes liver fibrosis by activating TGF- $\beta$ 2 signaling. <i>EBioMedicine</i> , 2019, 40, 43-55.	2.7	67
3925	Extracellular vesicle secretion of miR-4243p from lung adenocarcinoma cells induces tumor promoting changes in the stroma through cell-cell communication. <i>Molecular Carcinogenesis</i> , 2019, 58, 376-387.	1.3	51
3926	Plasminogen activator inhibitor-1 deficiency suppresses osteoblastic differentiation of mesenchymal stem cells in mice. <i>Journal of Cellular Physiology</i> , 2019, 234, 9687-9697.	2.0	17
3927	MiR-54243p controls hepatic stellate cell activation and fibrosis via targeting BMP-7. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4573-4581.	1.2	23

#	ARTICLE	IF	CITATIONS
3928	Astrocytes and the TGF- $\beta$ 1 Pathway in the Healthy and Diseased Brain: a Double-Edged Sword. <i>Molecular Neurobiology</i> , 2019, 56, 4653-4679.	1.9	91
3929	Activin A target genes are differentially expressed between normal and neoplastic adult human testes: clues to gonocyte fate choice. <i>Andrology</i> , 2019, 7, 31-41.	1.9	11
3930	TGF- $\beta$ SMAD miR-520e axis regulates NSCLC metastasis through a TGFBR2-mediated negative-feedback loop. <i>Carcinogenesis</i> , 2019, 40, 695-705.	1.3	9
3931	Activation of TGF- $\beta$ 1/Smad3 signaling pathway inhibits the development of ovarian follicle in polycystic ovary syndrome by promoting apoptosis of granulosa cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 11976-11985.	2.0	34
3932	A combined hiPSC-derived endothelial cell and in vitro microfluidic platform for assessing biomaterial-based angiogenesis. <i>Biomaterials</i> , 2019, 194, 73-83.	5.7	41
3933	Bmp4 inhibits goose granulosa cell apoptosis via PI3K/AKT/Caspase-9 signaling pathway. <i>Animal Reproduction Science</i> , 2019, 200, 86-95.	0.5	19
3934	Targeting the immunity protein kinases for immuno-oncology. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 413-427.	2.6	12
3935	A role for the Tgf- $\beta$ /Bmp co-receptor Endoglin in the molecular oscillator that regulates the hair follicle cycle. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 39-52.	1.5	27
3936	Cell-Cell Interactions in Ovarian Follicles: Role of TGF- $\beta$ Superfamily Members. , 2019, , 107-125.		11
3937	Recombinant Pregnancy-Specific Glycoprotein 1 Has a Protective Role in a Murine Model of Acute Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2019, 25, 193-203.	2.0	11
3938	Genetic status of KRAS influences Transforming Growth Factor-beta (TGF- $\beta$ ) signaling: An insight into Neuropilin-1 (NRP1) mediated tumorigenesis. <i>Seminars in Cancer Biology</i> , 2019, 54, 72-79.	4.3	32
3939	Nodal and BMP dispersal during early zebrafish development. <i>Developmental Biology</i> , 2019, 447, 14-23.	0.9	38
3940	Forkhead box M1 transcription factor: a novel target for pulmonary arterial hypertension therapy. <i>World Journal of Pediatrics</i> , 2020, 16, 113-119.	0.8	4
3941	Growth Factors, Gastrointestinal. , 2020, , 755-762.		0
3942	Intracellular Signaling. , 2020, , 24-46.e12.		0
3943	Raw and vinegar processed Curcuma wenyujin regulates hepatic fibrosis via blocking TGF- $\beta$ /Smad signaling pathways and up-regulation of MMP-2/TIMP-1 ratio. <i>Journal of Ethnopharmacology</i> , 2020, 246, 111768.	2.0	32
3944	Comparative study on seasonal hair follicle cycling by analysis of the transcriptomes from cashmere and milk goats. <i>Genomics</i> , 2020, 112, 332-345.	1.3	44
3945	Highly expressed BMP9/GDF2 in postnatal mouse liver and lungs may account for its pleiotropic effects on stem cell differentiation, angiogenesis, tumor growth and metabolism. <i>Genes and Diseases</i> , 2020, 7, 235-244.	1.5	24



#	ARTICLE	IF	CITATIONS
3946	Recent advances in the application of mesoporous silica-based nanomaterials for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110267.	3.8	130
3947	BMP Signaling in Development, Stem Cells, and Diseases of the Gastrointestinal Tract. <i>Annual Review of Physiology</i> , 2020, 82, 251-273.	5.6	39
3948	Targeting the Kynurenine Pathway for the Treatment of Cisplatin-Resistant Lung Cancer. <i>Molecular Cancer Research</i> , 2020, 18, 105-117.	1.5	33
3949	Lysyl hydroxylase 3 increases collagen deposition and promotes pulmonary fibrosis by activating TGF $\beta$ 1/Smad3 and Wnt/ $\beta$ 2-catenin pathways. <i>Archives of Medical Science</i> , 2020, 16, 436-445.	0.4	10
3950	Molecular genetic framework underlying pulmonary arterial hypertension. <i>Nature Reviews Cardiology</i> , 2020, 17, 85-95.	6.1	181
3951	Large miRNA survival analysis reveals a prognostic four-biomarker signature for triple negative breast cancer. <i>Genetics and Molecular Biology</i> , 2020, 43, e20180269.	0.6	16
3952	Role of Elevated Thrombospondin-1 in Kainic Acid-Induced Status Epilepticus. <i>Neuroscience Bulletin</i> , 2020, 36, 263-276.	1.5	11
3953	15-Lipoxygenase-1 in osteoblasts promotes TGF $\beta$ 1 expression via inhibiting autophagy in human osteoarthritis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109548.	2.5	8
3954	The TGF $\beta$ 2 pathway plays a key role in aortic aneurysms. <i>Clinica Chimica Acta</i> , 2020, 501, 222-228.	0.5	16
3955	Anterior Pituitary. , 2020, , 119-144.		6
3956	Heritable and Idiopathic Forms of Pulmonary Arterial Hypertension. , 2020, , 439-462.		2
3957	Immortalized Hertwig's epithelial root sheath cell line works as model for epithelial-mesenchymal interaction during tooth root formation. <i>Journal of Cellular Physiology</i> , 2020, 235, 2698-2709.	2.0	9
3958	Hydroxycinnamic acids and human health: recent advances. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 483-499.	1.7	96
3959	Role of hypoxia in skeletal muscle fibrosis: Synergism between hypoxia and TGF $\beta$ 2 signaling upregulates CCN2/CTGF expression specifically in muscle fibers. <i>Matrix Biology</i> , 2020, 87, 48-65.	1.5	45
3960	The development of a novel transforming growth factor- $\beta$ 2 (TGF- $\beta$ 2) inhibitor that disrupts ligand-receptor interactions. <i>European Journal of Medicinal Chemistry</i> , 2020, 189, 112042.	2.6	11
3961	Nox4-mediated ROS production is involved, but not essential for TGF $\beta$ 2-induced lens EMT leading to cataract. <i>Experimental Eye Research</i> , 2020, 192, 107918.	1.2	8
3962	RNA-seq reveal role of bovine TORC2 in the regulation of adipogenesis. <i>Archives of Biochemistry and Biophysics</i> , 2020, 680, 108236.	1.4	21
3963	Transcriptome responses in blood reveal distinct biological pathways associated with arsenic exposure through drinking water in rural settings of Punjab, Pakistan. <i>Environment International</i> , 2020, 135, 105403.	4.8	10

#	ARTICLE	IF	CITATIONS
3964	A comparative transcriptomic analysis in late embryogenesis of the red claw crayfish <i>Cherax quadricarinatus</i> . <i>Molecular Genetics and Genomics</i> , 2020, 295, 299-311.	1.0	9
3965	A NF- $\kappa$ B-Activin A signaling axis enhances prostate cancer metastasis. <i>Oncogene</i> , 2020, 39, 1634-1651.	2.6	34
3966	DKK1 and TNF $\alpha$ influence osteogenic differentiation of adBMP9-infected rDFCs. <i>Oral Diseases</i> , 2020, 26, 360-369.	1.5	5
3967	PTPR $\mu$ Acts as a Metastatic Promoter in Hepatocellular Carcinoma by Facilitating Recruitment of SMAD3 to TGF $\beta$ Receptor 1. <i>Hepatology</i> , 2020, 72, 997-1012.	3.6	30
3968	Transforming growth factor beta induces fibroblasts to express and release the immunomodulatory protein PD-L1 into extracellular vesicles. <i>FASEB Journal</i> , 2020, 34, 2213-2226.	0.2	55
3969	Ferulic acid maintains the self-renewal capacity of embryo stem cells and adipose-derived mesenchymal stem cells in high fat diet-induced obese mice. <i>Journal of Nutritional Biochemistry</i> , 2020, 77, 108327.	1.9	14
3970	Nucleic Acid Aptamers for Molecular Therapy of Epilepsy and Blood-Brain Barrier Damages. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 157-167.	2.3	20
3971	Activated CX3CL1/Smad2 Signals Prevent Neuronal Loss and Alzheimer's Tau Pathology-Mediated Cognitive Dysfunction. <i>Journal of Neuroscience</i> , 2020, 40, 1133-1144.	1.7	32
3972	Insights into the transcriptional responses of a microbial community to silver nanoparticles in a freshwater microcosm. <i>Environmental Pollution</i> , 2020, 258, 113727.	3.7	36
3973	MicroRNAs, a Promising Target for Breast Cancer Stem Cells. <i>Molecular Diagnosis and Therapy</i> , 2020, 24, 69-83.	1.6	22
3974	Mechanistic aspects of antifibrotic effects of honokiol in Con A-induced liver fibrosis in rats: Emphasis on TGF- $\beta$ /SMAD/MAPK signaling pathways. <i>Life Sciences</i> , 2020, 240, 117096.	2.0	24
3975	Activated Endothelial TGF $\beta$ 1 Signaling Promotes Venous Thrombus Nonresolution in Mice Via Endothelin-1. <i>Circulation Research</i> , 2020, 126, 162-181.	2.0	37
3976	Sirtuin 6 deficiency transcriptionally up-regulates TGF- $\beta$ 2 signaling and induces fibrosis in mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 415-434.	1.6	50
3977	Suppression of miR-143-3p contributes to the anti-fibrosis effect of atorvastatin on myocardial tissues via the modulation of Smad2 activity. <i>Experimental and Molecular Pathology</i> , 2020, 112, 104346.	0.9	11
3978	Chemoenzymatic Semisynthesis of Proteins. <i>Chemical Reviews</i> , 2020, 120, 3051-3126.	23.0	142
3979	Nitro-oleic acid inhibits the high glucose-induced epithelial-mesenchymal transition in peritoneal mesothelial cells and attenuates peritoneal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F457-F467.	1.3	9
3980	Prostate Cancer Radiotherapy: Increased Biochemical Control and Late Toxicity in Men With Medication Allergies. <i>JNCI Cancer Spectrum</i> , 2020, 4, pkaa081.	1.4	0
3981	Sex Differences in Diabetes- and TGF- $\beta$ 1-Induced Renal Damage. <i>Cells</i> , 2020, 9, 2236.	1.8	24

#	ARTICLE	IF	CITATIONS
3982	Long-Term <i>Helicobacter pylori</i> Infection Switches Gastric Epithelium Reprogramming towards Cancer Stem Cell-Related Differentiation Program in Hp-Activated Gastric Fibroblast-TGF $\beta$ 2 Dependent Manner. <i>Microorganisms</i> , 2020, 8, 1519.	1.6	12
3983	Identification and functional analysis of transforming growth factor- $\beta$ 2 type III receptor (T $\beta$ R3) from <i>Scylla paramamosain</i> : The first evidence of T $\beta$ R3 involved in development and innate immunity in invertebrates. <i>Fish and Shellfish Immunology</i> , 2020, 105, 41-52.	1.6	6
3984	Influence of the TGF- $\beta$ 2 Superfamily on Osteoclasts/Osteoblasts Balance in Physiological and Pathological Bone Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7597.	1.8	62
3985	Signaling pathways affected by mutations causing osteogenesis imperfecta. <i>Cellular Signalling</i> , 2020, 76, 109789.	1.7	29
3986	Glucocorticoid-induced cell-derived matrix modulates transforming growth factor $\beta$ 2 signaling in human trabecular meshwork cells. <i>Scientific Reports</i> , 2020, 10, 15641.	1.6	18
3987	Common and Distinct Features of Adult Neurogenesis and Regeneration in the Telencephalon of Zebrafish and Mammals. <i>Frontiers in Neuroscience</i> , 2020, 14, 568930.	1.4	49
3988	Current perspectives on inhibitory SMAD7 in health and disease. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2020, 55, 691-715.	2.3	37
3989	TGIF1-Twist1 axis in pancreatic ductal adenocarcinoma. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2568-2572.	1.9	6
3990	Fine-Tuning the TGF $\beta$ 2 Signaling Pathway by SARA During Neuronal Development. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 550267.	1.8	3
3991	Modeling the Control of TGF- $\beta$ 2/Smad Nuclear Accumulation by the Hippo Pathway Effectors, Taz/Yap. <i>IScience</i> , 2020, 23, 101416.	1.9	28
3992	OTUD4 enhances TGF $\beta$ 2 signalling through regulation of the TGF $\beta$ 2 receptor complex. <i>Scientific Reports</i> , 2020, 10, 15725.	1.6	7
3993	Involvement of TGF- $\beta$ 2 and Autophagy Pathways in Pathogenesis of Diabetes: A Comprehensive Review on Biological and Pharmacological Insights. <i>Frontiers in Pharmacology</i> , 2020, 11, 498758.	1.6	20
3994	BMP2 increases the production of BDNF through the upregulation of proBDNF and furin expression in human granulosa $\beta$ cells. <i>FASEB Journal</i> , 2020, 34, 16129-16143.	0.2	12
3995	Inflammatory and immune mechanisms underlying epileptogenesis and epilepsy: From pathogenesis to treatment target. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 82, 65-79.	0.9	40
3996	LEFTY1 Is a Dual-SMAD Inhibitor that Promotes Mammary Progenitor Growth and Tumorigenesis. <i>Cell Stem Cell</i> , 2020, 27, 284-299.e8.	5.2	12
3997	The CD28 Transmembrane Domain Contains an Essential Dimerization Motif. <i>Frontiers in Immunology</i> , 2020, 11, 1519.	2.2	21
3998	Microbiota-Derived Short-Chain Fatty Acids Promote BMP Signaling by Inhibiting Histone Deacetylation and Contribute to Dentinogenic Differentiation in Murine Incisor Regeneration. <i>Stem Cells and Development</i> , 2020, 29, 1201-1214.	1.1	8
3999	Genetics and signaling mechanisms of orofacial clefts. <i>Birth Defects Research</i> , 2020, 112, 1588-1634.	0.8	40

#	ARTICLE	IF	CITATIONS
4000	Growth differentiation factor 9 (gdf9) and bone morphogenetic protein 15 (bmp15) are potential intraovarian regulators of steroidogenesis in Japanese flounder ( <i>Paralichthys olivaceus</i> ). <i>General and Comparative Endocrinology</i> , 2020, 297, 113547.	0.8	25
4001	Neurogenetics of nictation, a dispersal strategy in nematodes. <i>Journal of Neurogenetics</i> , 2020, 34, 510-517.	0.6	10
4002	SMAD-oncoprotein interplay: Potential determining factors in targeted therapies. <i>Biochemical Pharmacology</i> , 2020, 180, 114155.	2.0	7
4003	Differences and similarities between cancer and somatic stem cells: therapeutic implications. <i>Stem Cell Research and Therapy</i> , 2020, 11, 489.	2.4	65
4004	A Proliferation-Inducing Ligand Regulation in Polymorphonuclear Neutrophils by <i>Panax ginseng</i> . <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2020, 68, 32.	1.0	2
4005	Endoplasmic Reticulum Associated Protein Degradation (ERAD) in the Pathology of Diseases Related to TGF $\beta$ 2 Signaling Pathway: Future Therapeutic Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 575608.	1.6	10
4006	A Framework of Major Tumor-Promoting Signal Transduction Pathways Implicated in Melanoma-Fibroblast Dialogue. <i>Cancers</i> , 2020, 12, 3400.	1.7	14
4007	Comprehensive proteomic atlas of skin biomatrix scaffolds reveals a supportive microenvironment for epidermal development. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142097231.	2.3	17
4008	Coordinated Regulation of Mesenchymal Stem Cell Migration by Various Chemotactic Stimuli. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8561.	1.8	9
4009	Wogonin reverses the drug resistance of chronic myelogenous leukemia cells to imatinib through CXCL12-CXCR4/7 axis in bone marrow microenvironment. <i>Annals of Translational Medicine</i> , 2020, 8, 1046-1046.	0.7	7
4010	Differential Immune Response to Infection and Acute Inflammation Along the Epididymis. <i>Frontiers in Immunology</i> , 2020, 11, 599594.	2.2	27
4011	Icariin Attenuates Monocrotaline-Induced Pulmonary Arterial Hypertension via the Inhibition of TGF- $\beta$ 1/Smads Pathway in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-8.	0.5	8
4012	iPSCs for modeling Diamond-Blackfan anemia. , 2020, , 71-84.		0
4013	iPSCs-laden GDF8-grafted aldehyde hyaluronic acid-polyacrylamide inverted colloidal crystal constructs with controlled release of CHIR99021 and retinoic acid to generate insulin-producing cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 116, 223-237.	2.7	1
4014	HNFB1B inhibits cell proliferation via repression of SMAD6 expression in prostate cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14539-14548.	1.6	17
4015	GDF8 Promotes the Cell Invasiveness in Human Trophoblasts by Upregulating the Expression of Follistatin-Like 3 Through the ALK5-SMAD2/3 Signaling Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 573781.	1.8	14
4016	Reactivation of BMP signaling by suboptimal concentrations of MEK inhibitor and FK506 reduces organ-specific breast cancer metastasis. <i>Cancer Letters</i> , 2020, 493, 41-54.	3.2	17
4017	Differential regulation of Lipocalin 2 (LCN2) in doxorubicin-resistant 4T1 triple negative breast cancer cells. <i>Cellular Signalling</i> , 2020, 74, 109731.	1.7	9

#	ARTICLE	IF	CITATIONS
4018	Angiotensin Converting Enzyme Inhibitors (ACEIs) Decrease the Progression of Cardiac Fibrosis in Rheumatic Heart Disease Through the Inhibition of IL-33/sST2. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 115.	1.1	15
4019	Emodin reduces Breast Cancer Lung Metastasis by suppressing Macrophage-induced Breast Cancer Cell Epithelial-mesenchymal transition and Cancer Stem Cell formation. <i>Theranostics</i> , 2020, 10, 8365-8381.	4.6	70
4020	SMAD4 Overexpression in Patients with Sleep Apnoea May Be Associated with Cardiometabolic Comorbidities. <i>Journal of Clinical Medicine</i> , 2020, 9, 2378.	1.0	6
4021	Clinical development of therapies targeting TGF $\beta$ 2: current knowledge and future perspectives. <i>Annals of Oncology</i> , 2020, 31, 1336-1349.	0.6	157
4022	MicroRNA-148a-3p inhibits progression of hepatocellular carcinoma by repressing SMAD2 expression in an Ago2 dependent manner. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 150.	3.5	21
4023	TrkB Inhibits the BMP Signaling-Mediated Growth Inhibition of Cancer Cells. <i>Cancers</i> , 2020, 12, 2095.	1.7	3
4024	Acetylated K676 TGF $\beta$ 1p as a severity diagnostic blood biomarker for SARS-CoV-2 pneumonia. <i>Science Advances</i> , 2020, 6, .	4.7	19
4025	Induction of TGF $\beta$ 2 receptor I expression in a DNA methylation-independent manner mediated by DNMT3A downregulation is involved in early-onset severe preeclampsia. <i>FASEB Journal</i> , 2020, 34, 13224-13238.	0.2	7
4026	Molecular characterization, expression and functional analysis of TGF $\beta$ 1-b in crucian carp ( <i>Carassius</i> ) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 3.6 2		
4028	MicroRNA-200b/c-3p regulate epithelial plasticity and inhibit cutaneous wound healing by modulating TGF- $\beta$ 2-mediated RAC1 signaling. <i>Cell Death and Disease</i> , 2020, 11, 931.	2.7	18
4029	Role of the CXCR4/ALK5/Smad3 Signaling Pathway in Cancer-Induced Bone Pain. <i>Journal of Pain Research</i> , 2020, Volume 13, 2567-2576.	0.8	3
4030	Identification of Survival-Associated Alternative Splicing Signatures in Lung Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 587343.	1.3	12
4031	Activation of $\beta$ -catenin by TGF- $\beta$ 21 promotes ligament-fibroblastic differentiation and inhibits cementoblastic differentiation of human periodontal ligament cells. <i>Stem Cells</i> , 2020, 38, 1612-1623.	1.4	18
4032	Efficacy of shockwave-enhanced Aloe vera gel on full-thickness wound healing: experimental study. <i>Physiotherapy Quarterly</i> , 2020, 28, 25-30.	0.1	2
4033	An allosteric site on MKP5 reveals a strategy for small-molecule inhibition. <i>Science Signaling</i> , 2020, 13, eaba3043.	1.6	12
4034	A Potential Role of Bone Morphogenetic Protein 7 in Shell Formation and Growth in the Razor Clam <i>Sinonovacula constricta</i> . <i>Frontiers in Physiology</i> , 2020, 11, 1059.	1.3	8
4035	MiR-135-5p inhibits TGF- $\beta$ 2-induced epithelial-mesenchymal transition and metastasis by targeting SMAD3 in breast cancer. <i>Journal of Cancer</i> , 2020, 11, 6402-6412.	1.2	14
4036	Systemic blockade of ACVR2B ligands attenuates muscle wasting in ischemic heart failure without compromising cardiac function. <i>FASEB Journal</i> , 2020, 34, 9911-9924.	0.2	6

#	ARTICLE	IF	CITATIONS
4037	Lipoxin A4 Inhibits NLRP3 Inflammasome Activation in Rats With Non-compressive Disc Herniation Through the JNK1/Beclin-1/PI3KC3 Pathway. <i>Frontiers in Neuroscience</i> , 2020, 14, 799.	1.4	12
4038	Transforming growth factor beta signaling and decidual integrity in mice. <i>Biology of Reproduction</i> , 2020, 103, 1186-1198.	1.2	11
4039	Loss of anti-Müllerian hormone (AMH) immunoactivity due to a homozygous AMH gene variant rs10417628 in a woman with classical polycystic ovary syndrome (PCOS). <i>Human Reproduction</i> , 2020, 35, 2294-2302.	0.4	11
4040	Structural basis for inhibitory effects of Smad7 on TGF- $\beta$ 2 family signaling. <i>Journal of Structural Biology</i> , 2020, 212, 107661.	1.3	14
4041	Therapeutic Potential of Exosomes in Pulmonary Fibrosis. <i>Frontiers in Pharmacology</i> , 2020, 11, 590972.	1.6	24
4042	Transforming Growth Factor- $\beta$ 2 Signaling in Fibrotic Diseases and Cancer-Associated Fibroblasts. <i>Biomolecules</i> , 2020, 10, 1666.	1.8	80
4043	Parecoxib alleviates the inflammatory effect of leukocyte-rich platelet-rich plasma in normal rabbit tendons. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 831.	0.8	1
4044	Modulation of the TGF- $\beta$ 2 signaling pathway by long noncoding RNA in hepatocellular carcinoma. <i>Biomarker Research</i> , 2020, 8, 70.	2.8	11
4045	Emerging Roles of Disabled Homolog 2 (DAB2) in Immune Regulation. <i>Frontiers in Immunology</i> , 2020, 11, 580302.	2.2	28
4046	Alteration of Transforming Growth Factor $\beta$ 2 Signaling Pathway Predicts Worse Prognosis in Pancreatic Ductal Adenocarcinoma. <i>Pancreas</i> , 2020, 49, 534-542.	0.5	2
4047	SMAD4 activates Wnt signaling pathway to inhibit granulosa cell apoptosis. <i>Cell Death and Disease</i> , 2020, 11, 373.	2.7	42
4048	An automated data processing and analysis pipeline for transmembrane proteins in detergent solutions. <i>Scientific Reports</i> , 2020, 10, 8081.	1.6	12
4049	SMAD4 and the TGF $\beta$ 2 Pathway in Patients with Pancreatic Ductal Adenocarcinoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3534.	1.8	58
4050	TGF- $\beta$ 2-Induced Endothelial to Mesenchymal Transition in Disease and Tissue Engineering. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 260.	1.8	133
4051	Fetuin-B regulates vascular plaque rupture via TGF- $\beta$ 2 receptor-mediated Smad pathway in vascular smooth muscle cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 571-581.	1.3	5
4052	Transgelin is a poor prognostic factor associated with advanced colorectal cancer (CRC) stage promoting tumor growth and migration in a TGF $\beta$ 2-dependent manner. <i>Cell Death and Disease</i> , 2020, 11, 341.	2.7	30
4053	Dissociation of the AhR/ARNT complex by TGF- $\beta$ 2/Smad signaling represses CYP1A1 gene expression and inhibits benzo[a]pyrene-mediated cytotoxicity. <i>Journal of Biological Chemistry</i> , 2020, 295, 9033-9051.	1.6	21
4054	Smad3 gene C-terminal phosphorylation site mutation aggravates CCL 4 induced inflammation in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7044-7054.	1.6	6

#	ARTICLE	IF	CITATIONS
4055	Benzyl alcohol accelerates recovery from Achilles tendon injury, potentially via TGF- $\beta$ 1/Smad2/3 pathway. <i>Injury</i> , 2020, 51, 1515-1521.	0.7	5
4056	Combination of KRAS and SMAD4 mutations in formalin-fixed paraffin-embedded tissues as a biomarker for pancreatic cancer. <i>Cancer Science</i> , 2020, 111, 2174-2182.	1.7	16
4057	Smad4-dependent transforming growth factor- $\beta$ family signaling regulates the differentiation of dental epithelial cells in adult mouse incisors. <i>Bone</i> , 2020, 137, 115456.	1.4	4
4058	Exon skipping of TGF $\beta$ RI affects signalling and ECM expression in hypertrophic scar-derived fibroblasts. <i>Scars, Burns &amp; Healing</i> , 2020, 6, 205951312090885.	0.6	9
4059	TGF- $\beta$ 2 and WNT signaling pathways in cardiac fibrosis: non-coding RNAs come into focus. <i>Cell Communication and Signaling</i> , 2020, 18, 87.	2.7	102
4060	Extracellular Ion-Responsive Logic Sensors Utilizing DNA Dimeric Nanoassemblies on Cell Surface and Application to Boosting AS1411 Internalization. <i>Analytical Chemistry</i> , 2020, 92, 9273-9280.	3.2	36
4061	Regulation of heterogeneous cancer-associated fibroblasts: the molecular pathology of activated signaling pathways. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 112.	3.5	158
4062	Asiaticoside inhibits TGF- $\beta$ 1-induced mesothelial-mesenchymal transition and oxidative stress via the Nrf2/HO-1 signaling pathway in the human peritoneal mesothelial cell line HMrSV5. <i>Cellular and Molecular Biology Letters</i> , 2020, 25, 33.	2.7	26
4063	Biosensors Based on the Au-Se Bond. <i>Analytical Chemistry</i> , 2020, 92, 9441-9448.	3.2	19
4064	Current potential therapeutic strategies targeting the TGF- $\beta$ 2/Smad signaling pathway to attenuate keloid and hypertrophic scar formation. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110287.	2.5	151
4065	Loss of Asb2 Impairs Cardiomyocyte Differentiation and Leads to Congenital Double Outlet Right Ventricle. <i>iScience</i> , 2020, 23, 100959.	1.9	8
4066	Human Follicle-Stimulating Hormone $\alpha$ Subunit Expression Depends on FOXL2 and SMAD4. <i>Endocrinology</i> , 2020, 161, .	1.4	8
4067	How progressive cancer endangers the heart: an intriguing and underestimated problem. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 535-552.	2.7	11
4068	Intravascular Follistatin gene delivery improves glycemic control in a mouse model of type 2 diabetes. <i>FASEB Journal</i> , 2020, 34, 5697-5714.	0.2	10
4069	Acute lung injury: The therapeutic role of Rho kinase inhibitors. <i>Pharmacological Research</i> , 2020, 155, 104736.	3.1	84
4070	The TGF $\beta$ Family in Human Placental Development at the Fetal-Maternal Interface. <i>Biomolecules</i> , 2020, 10, 453.	1.8	23
4071	TGF- $\beta$ 2 activity restoration and phosphodiesterase 4 inhibition as therapeutic options for inflammatory bowel diseases. <i>Pharmacological Research</i> , 2020, 155, 104757.	3.1	7
4072	Repurposed molecules for antiepileptogenesis: Missing an opportunity to prevent epilepsy?. <i>Epilepsia</i> , 2020, 61, 359-386.	2.6	57

#	ARTICLE	IF	CITATIONS
4073	The synergetic effect of bioactive moleculeâ€‘loaded electrospun coreâ€‘shell fibres for reconstruction of criticalâ€‘sized calvarial bone defectâ€‘The effect of synergetic release on bone Formation. <i>Cell Proliferation</i> , 2020, 53, e12796.	2.4	15
4074	In Vivo Allergen-Activated Eosinophils Promote Collagen I and Fibronectin Gene Expression in Airway Smooth Muscle Cells via TGF- $\beta$ 1 Signaling Pathway in Asthma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1837.	1.8	16
4075	Fibrogenesis in LAMA2-Related Muscular Dystrophy Is a Central Tenet of Disease Etiology. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 3.	1.4	18
4076	Genome-Scale CRISPR Screening in Human Intestinal Organoids Identifies Drivers of TGF- $\beta$ 2 Resistance. <i>Cell Stem Cell</i> , 2020, 26, 431-440.e8.	5.2	103
4077	Combined Effect of Midazolam and Bone Morphogenetic Protein-2 for Differentiation Induction from C2C12 Myoblast Cells to Osteoblasts. <i>Pharmaceutics</i> , 2020, 12, 218.	2.0	12
4078	Phase 1b/2a study of galunisertib, a small molecule inhibitor of transforming growth factor-beta receptor I, in combination with standard temozolomide-based radiochemotherapy in patients with newly diagnosed malignant glioma. <i>Investigational New Drugs</i> , 2020, 38, 1570-1579.	1.2	70
4079	Predicting and Promoting Human Bone Marrow MSC Chondrogenesis by Way of TGF $\beta$ 2 Receptor Profiles: Toward Personalized Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 618.	2.0	9
4080	Ochratoxin A induces epithelial-to-mesenchymal transition and renal fibrosis through TGF- $\beta$ 2/Smad2/3 and Wnt1/ $\beta$ 2-catenin signaling pathways in vitro and in vivo. <i>Archives of Toxicology</i> , 2020, 94, 3329-3342.	1.9	20
4081	Tetraspanins TSP-12 and TSP-14 function redundantly to regulate the trafficking of the type II BMP receptor in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2968-2977.	3.3	8
4082	RGFP966, a histone deacetylase 3 inhibitor, promotes glioma stem cell differentiation by blocking TGF- $\beta$ 2 signaling via SMAD7. <i>Biochemical Pharmacology</i> , 2020, 180, 114118.	2.0	8
4083	Bone morphogenic proteins in iron homeostasis. <i>Bone</i> , 2020, 138, 115495.	1.4	35
4084	Comparative transcriptome analysis on four types of gonadal tissues of blotched snakehead ( <i>Channa Tj</i> ETQq1 1 0.784314 rgBT /Overl 100708.	0.4	4
4085	TGF- $\beta$ 23 suppresses melanogenesis in human melanocytes cocultured with UV-irradiated neighboring cells and human skin. <i>Journal of Dermatological Science</i> , 2020, 99, 100-108.	1.0	5
4086	An important role of PHRF1 in dendritic architecture and memory formation by modulating TGF- $\beta$ 2 signaling. <i>Scientific Reports</i> , 2020, 10, 10857.	1.6	4
4087	The <i>Drosophila melanogaster</i> Metabolic Response against Parasitic Nematode Infection Is Mediated by TGF- $\beta$ 2 Signaling. <i>Microorganisms</i> , 2020, 8, 971.	1.6	4
4088	Enhancement of collagen deposition in swim bladder of Chu's croaker ( <i>Nibea coibor</i> ) by proline: View from in-vitro and in-vivo study. <i>Aquaculture</i> , 2020, 523, 735175.	1.7	19
4089	Homeobox D3, A Novel Link Between Bone Morphogenetic Protein 9 and Transforming Growth Factor Beta 1 Signaling. <i>Journal of Molecular Biology</i> , 2020, 432, 2030-2041.	2.0	6
4090	The effect of celecoxib in traumatic heterotopic ossification around temporomandibular joint in mice. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 502-515.	0.6	10



#	ARTICLE	IF	CITATIONS
4091	Kelch-like protein 42 is a profibrotic ubiquitin E3 ligase involved in systemic sclerosis. <i>Journal of Biological Chemistry</i> , 2020, 295, 4171-4180.	1.6	12
4092	Endoglin: Beyond the Endothelium. <i>Biomolecules</i> , 2020, 10, 289.	1.8	62
4093	Microglia control vascular architecture via a TGF $\beta$ 1 dependent paracrine mechanism linked to tissue mechanics. <i>Nature Communications</i> , 2020, 11, 986.	5.8	54
4094	Focal Adhesion Kinase Promotes Hepatic Stellate Cell Activation by Regulating Plasma Membrane Localization of TGF $\beta$ 2 Receptor 2. <i>Hepatology Communications</i> , 2020, 4, 268-283.	2.0	8
4095	Development of small molecule inhibitors targeting TGF $\beta$ ligand and receptor: Structures, mechanism, preclinical studies and clinical usage. <i>European Journal of Medicinal Chemistry</i> , 2020, 191, 112154.	2.6	27
4096	Hepatoprotective effect of total flavonoids of <i>Mallotus apelta</i> (Lour.) Muell.Arg. leaf against carbon tetrachloride-induced liver fibrosis in rats via modulation of TGF $\beta$ 1/Smad and NF $\kappa$ B signaling pathways. <i>Journal of Ethnopharmacology</i> , 2020, 254, 112714.	2.0	23
4097	Coordination of germ layer lineage choice by TET1 during primed pluripotency. <i>Genes and Development</i> , 2020, 34, 598-618.	2.7	7
4098	Sonic Hedgehog Signaling and Tooth Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1587.	1.8	55
4099	Expression and regulation of Smad2 by gonadotropins in the protogynous hermaphroditic ricefield eel ( <i>Monopterus albus</i> ). <i>Fish Physiology and Biochemistry</i> , 2020, 46, 1155-1165.	0.9	8
4100	TGF $\beta$ 2 Regulates Collagen Type I Expression in Myoblasts and Myotubes via Transient Ctgf and Fgf-2 Expression. <i>Cells</i> , 2020, 9, 375.	1.8	44
4101	Methylation silencing of TGF $\beta$ 2 receptor type II is involved in malignant transformation of esophageal squamous cell carcinoma. <i>Clinical Epigenetics</i> , 2020, 12, 25.	1.8	14
4102	TGF $\beta$ 2 and Wnt Signaling Pathways Cooperatively Enhance Early Dopaminergic Differentiation of the Unrestricted Somatic Stem Cells. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 769-777.	1.1	1
4103	Investigation of efficacy and acquired resistance for EGFR-TKI plus bevacizumab as first-line treatment in patients with EGFR sensitive mutant non-small cell lung cancer in a Real world population. <i>Lung Cancer</i> , 2020, 141, 82-88.	0.9	23
4104	The Ubiquitin System: a Regulatory Hub for Intellectual Disability and Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020, 57, 2179-2193.	1.9	23
4105	Cellular and molecular basis of liver regeneration. <i>Seminars in Cell and Developmental Biology</i> , 2020, 100, 74-87.	2.3	23
4106	Salt-inducible kinases (SIKs) regulate TGF $\beta$ 2-mediated transcriptional and apoptotic responses. <i>Cell Death and Disease</i> , 2020, 11, 49.	2.7	11
4107	Differential expression and localisation of TGF $\beta$ 2 isoforms and receptors in the murine epididymis. <i>Scientific Reports</i> , 2020, 10, 995.	1.6	22
4108	Human Skin Keratinocytes on Sustained TGF $\beta$ 2 Stimulation Reveal Partial EMT Features and Weaken Growth Arrest Responses. <i>Cells</i> , 2020, 9, 255.	1.8	28

#	ARTICLE	IF	CITATIONS
4109	Resistance training-induced muscle hypertrophy is mediated by TGF- $\beta$ 1-Smad signaling pathway in male Wistar rats. <i>Journal of Cellular Physiology</i> , 2020, 235, 5649-5665.	2.0	9
4110	SMAD3/SP1 complex-mediated constitutive active loop between lncRNA PCAT7 and TGF- $\beta$ 2 signaling promotes prostate cancer bone metastasis. <i>Molecular Oncology</i> , 2020, 14, 808-828.	2.1	59
4111	circRIP2 accelerates bladder cancer progression via miR-1305/Tgf- $\beta$ 2/smad3 pathway. <i>Molecular Cancer</i> , 2020, 19, 23.	7.9	127
4112	A novel role of LRP5 in tubulointerstitial fibrosis through activating TGF- $\beta$ 2/Smad signaling. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 45.	7.1	20
4113	TRIM59 inhibits PPM1A through ubiquitination and activates TGF- $\beta$ 2/Smad signaling to promote the invasion of ectopic endometrial stromal cells in endometriosis. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C392-C401.	2.1	10
4114	Smad4-dependent morphogenic signals control the maturation and axonal targeting of basal vomeronasal sensory neurons to the accessory olfactory bulb. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	11
4115	Identification and characterization of an R-Smad homologue (Hco-DAF-8) from <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2020, 13, 164.	1.0	4
4116	Liver Repair and Regeneration in Transplant: State of the Art. <i>Current Transplantation Reports</i> , 2020, 7, 90-98.	0.9	0
4117	Activin A-Mediated Regulation of XT-I in Human Skin Fibroblasts. <i>Biomolecules</i> , 2020, 10, 609.	1.8	6
4118	Molecular Therapeutics in Development for Epidermolysis Bullosa: Update 2020. <i>Molecular Diagnosis and Therapy</i> , 2020, 24, 299-309.	1.6	49
4119	Inhibition of the epigenetic suppressor EZH2 primes osteogenic differentiation mediated by BMP2. <i>Journal of Biological Chemistry</i> , 2020, 295, 7877-7893.	1.6	51
4120	Protein diaphanous homolog 1 (Diaph1) promotes myofibroblastic activation of hepatic stellate cells by regulating Rab5a activity and TGF- $\beta$ 2 receptor endocytosis. <i>FASEB Journal</i> , 2020, 34, 7345-7359.	0.2	11
4121	GATA3 Mediates a Fast, Irreversible Commitment to BMP4-Driven Differentiation in Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 693-706.e9.	5.2	50
4122	Phase I Study of the Bifunctional Fusion Protein Bintrafusp Alfa in Asian Patients with Advanced Solid Tumors, Including a Hepatocellular Carcinoma Safety-Assessment Cohort. <i>Oncologist</i> , 2020, 25, e1292-e1302.	1.9	33
4123	The neuroprotective and neurorestorative effects of growth differentiation factor 11 in cerebral ischemic injury. <i>Brain Research</i> , 2020, 1737, 146802.	1.1	14
4124	miR-4458 inhibits the epithelial&ndash;mesenchymal transition of hepatocellular carcinoma cells by suppressing the TGF-&lt;math>\beta</math>-signaling pathway via targeting TGFBR1. <i>Acta Biochimica Et Biophysica Sinica</i> . 2020, 52, 554-562.	0.9	10
4125	Pim1 maintains telomere length in mouse cardiomyocytes by inhibiting TGF- $\beta$ 2 signalling. <i>Cardiovascular Research</i> , 2021, 117, 201-211.	1.8	13
4126	<math>BMP</math> and <math>SMAD</math> gene expression is altered in cumulus cells from women with endometriosis-associated infertility. <i>Acta Obstetricia Et Gynecologica Scandinavica</i> , 2021, 100, 868-875.	1.3	16

#	ARTICLE	IF	CITATIONS
4127	Small molecule TCS21311 can replace BMP7 and facilitate cell proliferation in <i>in vitro</i> expansion culture of nephron progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 558, 231-238.	1.0	2
4128	The prognostic role of soluble transforming growth factor- $\beta$ 2 and its correlation with soluble programmed death-ligand 1 in biliary tract cancer. <i>Liver International</i> , 2021, 41, 388-395.	1.9	4
4129	AXL Is a Potential Target for the Treatment of Intestinal Fibrosis. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 303-316.	0.9	27
4130	Hereditary gingival fibromatosis associated with the missense mutation of the KCNK4 gene. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021, 131, e175-e182.	0.2	5
4131	Outcomes of Hormone-Receptor Positive, HER2-Negative Breast Cancers by Race and Tumor Biological Features. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkaa072.	1.4	14
4132	TGF $\beta$ -Directed Therapeutics: 2020. , 2021, 217, 107666.		52
4133	Materials roles for promoting angiogenesis in tissue regeneration. <i>Progress in Materials Science</i> , 2021, 117, 100732.	16.0	81
4134	A Decade Later: Revisiting the TGF $\beta$ Family's Role in Diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 36-47.	3.1	6
4135	Pharmacological blockage of transforming growth factor- $\beta$ 2 signalling by a Traf2- and Nck-interacting kinase inhibitor, NCB-0846. <i>British Journal of Cancer</i> , 2021, 124, 228-236.	2.9	17
4136	Regulation of peroxisome proliferator-activated receptor-gamma activity affects the hepatic stellate cell activation and the progression of NASH via TGF- $\beta$ 2/Smad signaling pathway. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 35-45.	1.3	25
4137	Dorsal commissural axon guidance in the developing spinal cord. <i>Current Topics in Developmental Biology</i> , 2021, 142, 197-231.	1.0	5
4138	Ski: Double roles in cancers. <i>Clinical Biochemistry</i> , 2021, 87, 1-12.	0.8	8
4139	Bromodomain and extra-terminal motif (BET) inhibition is synthetic lethal with loss of SMAD4 in colorectal cancer cells via restoring the loss of MYC repression. <i>Oncogene</i> , 2021, 40, 937-950.	2.6	15
4140	Targeting transforming growth factor- $\beta$ 2 signaling for enhanced cancer chemotherapy. <i>Theranostics</i> , 2021, 11, 1345-1363.	4.6	33
4141	A novel <i>GTPBP2</i> splicing mutation in two siblings affected with microcephaly, generalized muscular atrophy, and hypotrichosis. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, 732-736.	0.2	1
4142	Exploring the extensive crosstalk between the antagonistic cytokines- TGF- $\beta$ 2 and TNF- $\alpha$ in regulating cancer pathogenesis. <i>Cytokine</i> , 2021, 138, 155348.	1.4	20
4143	Molecular and cellular mechanisms of liver fibrosis and its regression. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 151-166.	8.2	746
4144	Receptor binding competition: A paradigm for regulating TGF- $\beta$ 2 family action. <i>Cytokine and Growth Factor Reviews</i> , 2021, 57, 39-54.	3.2	49

#	ARTICLE	IF	CITATIONS
4145	MicroRNA-99b-3p promotes angiotensin II-induced cardiac fibrosis in mice by targeting GSK-3 $\beta$ . <i>Acta Pharmacologica Sinica</i> , 2021, 42, 715-725.	2.8	25
4146	Targeting Smad-Mediated TGF $\beta$ Pathway in Coronary Artery Bypass Graft. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2021, 26, 119-130.	1.0	5
4147	Transforming growth factor beta signaling functions during mammalian kidney development. <i>Pediatric Nephrology</i> , 2021, 36, 1663-1672.	0.9	8
4148	Signaling pathways influencing stem cell self-renewal and differentiation. , 2021, , 69-87.		0
4149	Metallothionein-1G suppresses pancreatic cancer cell stemness by limiting activin A secretion via NF- $\kappa$ B inhibition. <i>Theranostics</i> , 2021, 11, 3196-3212.	4.6	13
4150	Suspension state regulates epithelial-to-mesenchymal transition and stemness of breast tumor cells. <i>Biotechnology Letters</i> , 2021, 43, 561-578.	1.1	6
4151	E3 Ubiquitin Ligases: Key Regulators of TGF $\beta$ Signaling in Cancer Progression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 476.	1.8	18
4152	The phosphorylation of the Smad2/3 linker region by nemo-like kinase regulates TGF- $\beta$ signaling. <i>Journal of Biological Chemistry</i> , 2021, 296, 100512.	1.6	7
4153	The TGF $\beta$ and Androgen Receptor Signaling Pathways Converge to Support Anoikis Resistance in Triple Negative Breast Cancer. , 2021, , 173-192.		1
4154	SMAD4 mutations and cross-talk between TGF- $\beta$ /IFN $\gamma$ signaling accelerate rates of DNA damage and cellular senescence, resulting in a segmental progeroid syndrome—the Myhre syndrome. <i>GeroScience</i> , 2021, 43, 1481-1496.	2.1	9
4155	Clinical relevance of biochemical and metabolic changes in osteoarthritis. <i>Advances in Clinical Chemistry</i> , 2021, 101, 95-120.	1.8	13
4156	Hsa-miR-186-5p regulates TGF $\beta$ signaling pathway through expression suppression of SMAD6 and SMAD7 genes in colorectal cancer. <i>Biological Chemistry</i> , 2021, 402, 469-480.	1.2	18
4157	Romidepsin hepatocellular carcinoma suppression in mice is associated with deregulated gene expression of bone morphogenetic protein and Notch signaling pathway components. <i>Molecular Biology Reports</i> , 2021, 48, 551-562.	1.0	3
4158	Therapeutic Implications of TGF $\beta$ in Cancer Treatment: A Systematic Review. <i>Cancers</i> , 2021, 13, 379.	1.7	16
4159	Male germ cell derivation from PSCs. , 2021, , 133-165.		0
4160	Emerging molecular subtypes and therapeutic targets in B-cell precursor acute lymphoblastic leukemia. <i>Frontiers of Medicine</i> , 2021, 15, 347-371.	1.5	20
4161	TGF- $\beta$ 1 increases permeability of ciliated airway epithelia via redistribution of claudin 3 from tight junction into cell nuclei. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 287-311.	1.3	14
4162	Unveiling the dimer/monomer propensities of Smad MH1-DNA complexes. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 632-646.	1.9	6

#	ARTICLE	IF	CITATIONS
4163	Progress in human embryonic stem cell research and aging. , 2021, , 9-52.		0
4164	Probing nucleus-enriched proteins in single living cells <i>via</i> a subcellular-resolved plasmonic immunosandwich assay. Analyst, The, 2021, 146, 2878-2885.	1.7	5
4165	Ginsenoside Rg2 alleviates myocardial fibrosis by regulating TGF- $\beta$ 1/Smad signalling pathway. Pharmaceutical Biology, 2021, 59, 104-111.	1.3	14
4166	High ovarian GDF-8 levels contribute to elevated estradiol production in ovarian hyperstimulation syndrome by stimulating aromatase expression. International Journal of Biological Sciences, 2021, 17, 2338-2347.	2.6	10
4167	Bleomycin induces fibrotic transformation of bone marrow stromal cells to treat height loss of intervertebral disc through the TGF $\beta$ 1/Smad2/3 pathway. Stem Cell Research and Therapy, 2021, 12, 34.	2.4	14
4168	Cancer-Associated Fibroblasts in the Breast Tumor Microenvironment. Journal of Mammary Gland Biology and Neoplasia, 2021, 26, 135-155.	1.0	24
4169	Fibrosis and hepatic regeneration mechanism. Translational Gastroenterology and Hepatology, 2022, 7, 9-9.	1.5	8
4170	TGF- $\beta$ 2-induced cell motility requires downregulation of ARHGAPs to sustain Rac1 activity. Journal of Biological Chemistry, 2021, 296, 100545.	1.6	5
4171	An overview of genetic mutations and epigenetic signatures in the course of pancreatic cancer progression. Cancer and Metastasis Reviews, 2021, 40, 245-272.	2.7	33
4172	Non-collagenous ECM Matrix Components Growth Factors and Cytokines Involved in Matrix Mineralization. Biology of Extracellular Matrix, 2021, , 75-108.	0.3	0
4173	Cell Signaling Events. , 2021, , 271-294.		0
4174	Effects and mechanism of lncRNAâ€27785.1 that regulates TGFâ€21 of Sika deer on antler cell proliferation. Journal of Cellular Physiology, 2021, 236, 5742-5756.	2.0	6
4175	Integrated Analysis of DNA methylation and transcriptome profile to identify key features of age-related macular degeneration. Bioengineered, 2021, 12, 7061-7078.	1.4	7
4176	Cell signaling regulation in salivary gland development. Cellular and Molecular Life Sciences, 2021, 78, 3299-3315.	2.4	19
4177	LncPVT1 promotes cartilage degradation in diabetic OA mice by downregulating miR-146a and activating TGF- $\beta$ 2/SMAD4 signaling. Journal of Bone and Mineral Metabolism, 2021, 39, 534-546.	1.3	15
4178	Transcriptome Analysis of the Anti-TGF $\beta$ 2 Effect of Schisandra chinensis Fruit Extract and Schisandrin B in A7r5 Vascular Smooth Muscle Cells. Life, 2021, 11, 163.	1.1	5
4179	Recent progress in TGF- $\beta$ 2 inhibitors for cancer therapy. Biomedicine and Pharmacotherapy, 2021, 134, 111046.	2.5	77
4180	Genetic Mechanisms Underlying Cortical Evolution in Mammals. Frontiers in Cell and Developmental Biology, 2021, 9, 591017.	1.8	15

#	ARTICLE	IF	CITATIONS
4181	Integrated analysis of deregulation microRNA expression in head and neck squamous cell carcinoma. <i>Medicine (United States)</i> , 2021, 100, e24618.	0.4	7
4182	TGF- $\beta$ 1 Signaling: Immune Dynamics of Chronic Kidney Diseases. <i>Frontiers in Medicine</i> , 2021, 8, 628519.	1.2	22
4183	TGF $\beta$ 2 signalling acts as a molecular brake of myoblast fusion. <i>Nature Communications</i> , 2021, 12, 749.	5.8	31
4184	Colorectal Cancer-Associated Smad4 R361 Hotspot Mutations Boost Wnt/ $\beta$ -Catenin Signaling through Enhanced Smad4-LEF1 Binding. <i>Molecular Cancer Research</i> , 2021, 19, 823-833.	1.5	4
4185	Nuclear IL-33/SMAD signaling axis promotes cancer development in chronic inflammation. <i>EMBO Journal</i> , 2021, 40, e106151.	3.5	37
4186	A new MMP-mediated prodomain cleavage mechanism to activate bone morphogenetic proteins from the extracellular matrix. <i>FASEB Journal</i> , 2021, 35, e21353.	0.2	10
4187	Clinical utility of TGFB1 and its receptors (TGFB1 and TGFB2) in thyroid nodules: evaluation based on single nucleotide polymorphisms and mRNA analysis. <i>Archives of Endocrinology and Metabolism</i> , 2021, 65, 172-184.	0.3	3
4188	Looking for new anabolic treatment from rare diseases of bone formation. <i>Journal of Endocrinology</i> , 2021, 248, R29-R40.	1.2	4
4189	TGF $\beta$ 2 signaling networks in ovarian cancer progression and plasticity. <i>Clinical and Experimental Metastasis</i> , 2021, 38, 139-161.	1.7	31
4190	Epigenetic regulation of TGF- $\beta$ 2-induced EMT by JMJD3/KDM6B histone H3K27 demethylase. <i>Oncogenesis</i> , 2021, 10, 17.	2.1	24
4191	Knockdown of AKT3 Activates HER2 and DDR Kinases in Bone-Seeking Breast Cancer Cells, Promotes Metastasis In Vivo and Attenuates the TGF $\beta$ 2/CTGF Axis. <i>Cells</i> , 2021, 10, 430.	1.8	14
4192	Resveratrol and cardiac fibrosis prevention and treatment. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, .	0.9	12
4193	SMAD2 promotes myogenin expression and terminal myogenic differentiation. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	7
4194	Osteomodulin positively regulates osteogenesis through interaction with BMP2. <i>Cell Death and Disease</i> , 2021, 12, 147.	2.7	31
4196	Identifying Potential Mutations Responsible for Cases of Pulmonary Arterial Hypertension. <i>The Application of Clinical Genetics</i> , 2021, Volume 14, 113-124.	1.4	3
4197	Molecular mediators of breast cancer metastasis. <i>Hematology/ Oncology and Stem Cell Therapy</i> , 2021, 14, 275-289.	0.6	12
4198	Dermal Fibroblast Heterogeneity and Its Contribution to the Skin Repair and Regeneration. <i>Advances in Wound Care</i> , 2022, 11, 87-107.	2.6	18
4199	Potential Effect of <i>Pseudevernia furfuracea</i> (L.) Zopf Extract and Metabolite Physodic Acid on Tumour Microenvironment Modulation in MCF-10A Cells. <i>Biomolecules</i> , 2021, 11, 420.	1.8	9

#	ARTICLE	IF	CITATIONS
4200	Anti-Fibrosis Effects of Magnesium Lithospermate B in Experimental Pulmonary Fibrosis: By Inhibiting TGF- $\beta$ 2/Smad Signaling. <i>Molecules</i> , 2021, 26, 1715.	1.7	7
4202	Potential Role of Musashi-2 RNA-Binding Protein in Cancer EMT. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 1969-1980.	1.0	10
4203	MicroRNA-29b inhibits human vascular smooth muscle cell proliferation via targeting the TGF- $\beta$ 2/Smad3 signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 492.	0.8	5
4204	Activin A and Acvr2b mRNA from Umbilical Cord Blood Are Not Reliable Markers of Mild or Moderate Neonatal Hypoxic-Ischemic Encephalopathy. <i>Neuropediatrics</i> , 2021, 52, 261-267.	0.3	1
4205	Regulation of TGF $\beta$ 2/SMAD signaling by long non-coding RNAs in different cancers: Dark Knight in the Castle of molecular oncology. <i>Non-coding RNA Research</i> , 2021, 6, 23-28.	2.4	4
4206	Sialylated Lipooligosaccharide Contributes to <i>Glaesserella parasuis</i> Penetration of Porcine Respiratory Epithelial Barrier. <i>ACS Infectious Diseases</i> , 2021, 7, 661-671.	1.8	5
4207	Characterization of Anti-M $\beta$ 1/4lllerian Hormone (AMH) Gene in Buffaloes and Goats. <i>Frontiers in Veterinary Science</i> , 2021, 8, 627094.	0.9	2
4208	TGFB1/INHBA Homodimer/Nodal-SMAD2/3 Signaling Network: A Pivotal Molecular Target in PDAC Treatment. <i>Molecular Therapy</i> , 2021, 29, 920-936.	3.7	31
4209	Bmp8a is an essential positive regulator of antiviral immunity in zebrafish. <i>Communications Biology</i> , 2021, 4, 318.	2.0	9
4210	TGF $\beta$ 2 and TGF $\beta$ 3 mediate appropriate context-dependent phenotype of rat valvular interstitial cells. <i>IScience</i> , 2021, 24, 102133.	1.9	4
4212	ALK1 regulates the internalization of endoglin and the type III TGF- $\beta$ 2 receptor. <i>Molecular Biology of the Cell</i> , 2021, 32, 605-621.	0.9	8
4213	Tgf- $\beta$ 1 transcriptionally promotes 90K expression: possible implications for cancer progression. <i>Cell Death Discovery</i> , 2021, 7, 86.	2.0	2
4214	The Impact of microRNAs in Renin-Angiotensin-System-Induced Cardiac Remodelling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4762.	1.8	19
4215	Transforming growth factor- $\beta$ 1 and myeloid-derived suppressor cells: A cancerous partnership. <i>Developmental Dynamics</i> , 2022, 251, 85-104.	0.8	14
4216	Growth differentiation factor 11: a rejuvenation factor involved in regulation of age-related diseases?. <i>Aging</i> , 2021, 13, 12258-12272.	1.4	15
4217	Suppression of TGF- $\beta$ 1 signaling by Matrigel via FAK signaling in cultured human trabecular meshwork cells. <i>Scientific Reports</i> , 2021, 11, 7319.	1.6	5
4218	Novel Roles of Follistatin/Myostatin in Transforming Growth Factor- $\beta$ 2 Signaling and Adipose Browning: Potential for Therapeutic Intervention in Obesity Related Metabolic Disorders. <i>Frontiers in Endocrinology</i> , 2021, 12, 653179.	1.5	16
4219	The Role of Cell Division Autoantigen 1 (CDA1) in Renal Fibrosis of Diabetic Nephropathy. <i>BioMed Research International</i> , 2021, 2021, 1-13.	0.9	5

#	ARTICLE	IF	CITATIONS
4220	Post-ischemic Myocardial Inflammatory Response: A Complex and Dynamic Process Susceptible to Immunomodulatory Therapies. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 647785.	1.1	28
4221	Cell intercalation driven by SMAD3 underlies secondary neural tube formation. <i>Developmental Cell</i> , 2021, 56, 1147-1163.e6.	3.1	17
4222	The Charming World of the Extracellular Matrix: A Dynamic and Protective Network of the Intestinal Wall. <i>Frontiers in Medicine</i> , 2021, 8, 610189.	1.2	61
4223	Effects of Chemotherapy for Metastatic Colorectal Cancer on the TGF- $\beta$ 2 Signaling and Related miRNAs hsa-miR-17-5p, hsa-miR-21-5p and hsa-miR-93-5p. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 757-767.	0.9	9
4224	Discovery of Selective Transforming Growth Factor $\beta$ 2 Type II Receptor Inhibitors as Antifibrosis Agents. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 745-751.	1.3	5
4225	Garcimultiflorone K from <i>Garcinia multiflora</i> attenuates hepatocellular carcinoma metastasis by suppressing transforming growth factor- $\beta$ 2 signaling. <i>Phytomedicine</i> , 2021, 84, 153502.	2.3	3
4226	Depletion of serotonin relieves concanavalin A-induced liver fibrosis in mice by inhibiting inflammation, oxidative stress, and TGF- $\beta$ 2/Smads signaling pathway. <i>Toxicology Letters</i> , 2021, 340, 123-132.	0.4	14
4227	Preoperative Serum GDF-15, Endothelin-1 Levels, and Intraoperative Factors as Short-Term Operative Risks for Patients Undergoing Cardiovascular Surgery. <i>Journal of Clinical Medicine</i> , 2021, 10, 1960.	1.0	1
4228	Cav1 channels is also a story of non excitable cells: Application to calcium signalling in two different non related models. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118996.	1.9	3
4229	Interplay between transforming growth factor- $\beta$ 2 and Nur77 in dual regulations of inhibitor of differentiation 1 for colonic tumorigenesis. <i>Nature Communications</i> , 2021, 12, 2809.	5.8	22
4230	Circular RNA circDUS2 Is a Potential Biomarker for Intracranial Aneurysm. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 632448.	1.7	8
4231	Optimized BMSC-derived osteoinductive exosomes immobilized in hierarchical scaffold via lyophilization for bone repair through Bmpr2/Acrv2b competitive receptor-activated Smad pathway. <i>Biomaterials</i> , 2021, 272, 120718.	5.7	106
4232	Apamin inhibits renal fibrosis via suppressing TGF- $\beta$ 21 and STAT3 signaling in vivo and in vitro. <i>Journal of Molecular Medicine</i> , 2021, 99, 1265-1277.	1.7	11
4233	miR-130b-3p is high-expressed in polycystic ovarian syndrome and promotes granulosa cell proliferation by targeting SMAD4. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 209, 105844.	1.2	9
4234	RGS5- $\beta$ TGF $\beta$ 2- $\beta$ Smad2/3 axis switches pro- to anti-apoptotic signaling in tumor-residing pericytes, assisting tumor growth. <i>Cell Death and Differentiation</i> , 2021, 28, 3052-3076.	5.0	21
4235	Indirect podocyte injury manifested in a partial podocytectomy mouse model. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F922-F933.	1.3	9
4236	The Role of Neuroinflammation in Post-traumatic Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 646152.	1.1	11
4237	Association of SMAD4 loss with drug resistance in clinical cancer patients: A systematic meta-analysis. <i>PLoS ONE</i> , 2021, 16, e0250634.	1.1	5



#	ARTICLE	IF	CITATIONS
4238	Synovial Fibrosis Involvement in Osteoarthritis. <i>Frontiers in Medicine</i> , 2021, 8, 684389.	1.2	28
4239	CTHRC1 promotes liver metastasis by reshaping infiltrated macrophages through physical interactions with TGF- $\beta$ 2 receptors in colorectal cancer. <i>Oncogene</i> , 2021, 40, 3959-3973.	2.6	33
4240	Notch-ing up knowledge on molecular mechanisms of skin fibrosis: focus on the multifaceted Notch signalling pathway. <i>Journal of Biomedical Science</i> , 2021, 28, 36.	2.6	33
4241	Guiding Stem Cell Differentiation and Proliferation Activities Based on Nanometer-Thick Functionalized Poly-p-xylylene Coatings. <i>Coatings</i> , 2021, 11, 582.	1.2	0
4242	Small molecules in targeted cancer therapy: advances, challenges, and future perspectives. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 201.	7.1	607
4243	Biological insights into the rapid tissue regeneration of freshwater crayfish and crustaceans. <i>Cell Biochemistry and Function</i> , 2021, 39, 740-753.	1.4	3
4244	Smad2 and Smad3 differentially modulate chordin transcription via direct binding on the distal elements in gastrula <i>Xenopus</i> embryos. <i>Biochemical and Biophysical Research Communications</i> , 2021, 559, 168-175.	1.0	11
4245	Signaling pathways in cancer-associated fibroblasts and targeted therapy for cancer. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 218.	7.1	242
4247	TGF- $\beta$ 2 Physiology as a Novel Therapeutic Target Regarding Autoimmune Thyroid Diseases: Where Do We Stand and What to Expect. <i>Medicina (Lithuania)</i> , 2021, 57, 621.	0.8	8
4248	Colon epithelial cell TGF- $\beta$ 2 signaling modulates the expression of tight junction proteins and barrier function in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G936-G957.	1.6	23
4249	Anti-fibrotic effects of Hypocrellin A combined with LED red light irradiation on keloid fibroblasts by counteracting the TGF- $\beta$ 2/Smad/autophagy/apoptosis signalling pathway. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102202.	1.3	4
4250	Insight into the role of multiple signaling pathways in regulating cancer stem cells of gynecologic cancers. <i>Seminars in Cancer Biology</i> , 2022, 85, 219-233.	4.3	6
4251	Organoid Technology and Clinical Applications in Digestive System Cancer. <i>Engineering</i> , 2022, 9, 123-130.	3.2	0
4252	Abrogation of mesenchyme-specific TGF- $\beta$ 2 signaling results in lung malformation with prenatal pulmonary cysts in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L1158-L1168.	1.3	9
4253	Synovium Derived Mesenchymal Stromal Cells (Sy-MSCs): A Promising Therapeutic Paradigm in the Management of Knee Osteoarthritis. <i>Indian Journal of Orthopaedics</i> , 2022, 56, 1-15.	0.5	6
4254	Fibrosis: Sirtuins at the checkpoints of myofibroblast differentiation and profibrotic activity. <i>Wound Repair and Regeneration</i> , 2021, 29, 650-666.	1.5	6
4255	Neuroadaptations and TGF- $\beta$ 2 signaling: emerging role in models of neuropsychiatric disorders. <i>Molecular Psychiatry</i> , 2022, 27, 296-306.	4.1	12
4256	Therapeutic effect of curcumin in gastrointestinal cancers: A comprehensive review. <i>Phytotherapy Research</i> , 2021, 35, 4834-4897.	2.8	13

#	ARTICLE	IF	CITATIONS
4257	Adenosine/TGF $\beta$ 2 axis in regulation of mammary fibroblast functions. PLoS ONE, 2021, 16, e0252424.	1.1	9
4258	Myofibroblasts: Function, Formation, and Scope of Molecular Therapies for Skin Fibrosis. Biomolecules, 2021, 11, 1095.	1.8	77
4259	Chordacentrum mineralization is delayed in zebrafish betaglycan $\beta$ null mutants. Developmental Dynamics, 2022, 251, 213-225.	0.8	2
4260	The parasite cytokine mimic <i>Hp</i> TGM potently replicates the regulatory effects of TGF $\beta$ 2 on murine CD4 <sup>+</sup> T cells. Immunology and Cell Biology, 2021, 99, 848-864.	1.0	17
4261	Zearalenone promotes apoptosis of mouse Leydig cells by targeting phosphatase and tensin homolog and thus inhibiting the PI3K/AKT signal pathway. Environmental Science and Pollution Research, 2021, 28, 67779-67787.	2.7	5
4262	PI3K as Mediator of Apoptosis and Contractile Dysfunction in TGF $\beta$ 1-Stimulated Cardiomyocytes. Biology, 2021, 10, 670.	1.3	2
4263	TGF $\beta$ 2 signaling: A recap of SMAD $\beta$ independent and SMAD $\beta$ dependent pathways. Journal of Cellular Physiology, 2022, 237, 59-85.	2.0	52
4264	SLC39A5 dysfunction impairs extracellular matrix synthesis in high myopia pathogenesis. Journal of Cellular and Molecular Medicine, 2021, 25, 8432-8441.	1.6	9
4265	Embryonic stem cells are devoid of macropinocytosis, a trafficking pathway for activin A in differentiated cells. Journal of Cell Science, 2021, 134, .	1.2	4
4266	A cytokine in turmoil: Transforming growth factor beta in cancer. Biomedicine and Pharmacotherapy, 2021, 139, 111657.	2.5	7
4267	Hormone-Responsive BMP Signaling Expands Myoepithelial Cell Lineages and Prevents Alveolar Precocity in Mammary Gland. Frontiers in Cell and Developmental Biology, 2021, 9, 691050.	1.8	5
4269	Origins, potency, and heterogeneity of skeletal muscle fibro-adipogenic progenitors—time for new definitions. Skeletal Muscle, 2021, 11, 16.	1.9	60
4270	Personalized Therapy and Liquid Biopsy—A Focus on Colorectal Cancer. Journal of Personalized Medicine, 2021, 11, 630.	1.1	0
4271	Effects of bone morphogenetic proteins on epithelial repair. Experimental Biology and Medicine, 2021, 246, 2269-2277.	1.1	0
4272	Refolding, purification, and characterization of constitutive-active human-Smad8 produced as inclusion bodies in ClearColi $\beta$ BL21 (DE3). Protein Expression and Purification, 2021, 184, 105878.	0.6	2
4273	The role of TGF $\beta$ 2 in cartilage development and diseases. Bone and Joint Research, 2021, 10, 474-487.	1.3	30
4274	Loss of Smad4 promotes aggressive lung cancer metastasis by de-repression of PAK3 via miRNA regulation. Nature Communications, 2021, 12, 4853.	5.8	27
4275	Smad2/3 Activation Regulates Smad1/5/8 Signaling via a Negative Feedback Loop to Inhibit 3T3-L1 Adipogenesis. International Journal of Molecular Sciences, 2021, 22, 8472.	1.8	9

#	ARTICLE	IF	CITATIONS
4276	HINT1 (Histidine Triad Nucleotide-Binding Protein 1) Attenuates Cardiac Hypertrophy Via Suppressing HOXA5 (Homeobox A5) Expression. <i>Circulation</i> , 2021, 144, 638-654.	1.6	28
4277	Specialized endothelial tip cells guide neuroretina vascularization and blood-retina-barrier formation. <i>Developmental Cell</i> , 2021, 56, 2237-2251.e6.	3.1	46
4278	MERG1A Protein Abundance Increases in the Atrophied Skeletal Muscle of Denervated Mice, But Does Not Affect NF $\kappa$ B Activity. <i>Journal of Neuro pathology and Experimental Neurology</i> , 2021, 80, 776-788.	0.9	6
4279	Bone morphogenetic protein 2 upregulates SERPINE2 expression through noncanonical SMAD2/3 and p38 MAPK signaling pathways in human granulosa $\alpha$ cells. <i>FASEB Journal</i> , 2021, 35, e21845.	0.2	12
4280	Follistatin $\alpha$ -controlled activin $\alpha$ -HNF4 $\beta$ $\alpha$ -coagulation factor axis in liver progenitor cells determines outcome of acute liver failure. <i>Hepatology</i> , 2022, 75, 322-337.	3.6	14
4281	Revisiting the Role of TGF $\beta$ 2 Receptor Internalization for Smad Signaling: It is Not Required in Optogenetic TGF $\beta$ 2 Signaling Systems. <i>Advanced Biology</i> , 2021, 5, e2101008.	1.4	1
4282	Myostatin/Activin-A Signaling in the Vessel Wall and Vascular Calcification. <i>Cells</i> , 2021, 10, 2070.	1.8	6
4283	Novel therapeutic strategies: targeting epithelial $\alpha$ -mesenchymal transition in colorectal cancer. <i>Lancet Oncology</i> , The, 2021, 22, e358-e368.	5.1	133
4284	miR-135a Suppresses Granulosa Cell Growth by Targeting Tgfbr1 and Ccnd2 during Folliculogenesis in Mice. <i>Cells</i> , 2021, 10, 2104.	1.8	4
4285	Dual-sized inverted colloidal crystal scaffolds grafted with GDF-8 and Wnt3a for enhancing differentiation of iPS cells toward islet $\beta$ -cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 126, 371-382.	2.7	4
4286	TGF $\beta$ 2-Neurotrophin Interactions in Heart, Retina, and Brain. <i>Biomolecules</i> , 2021, 11, 1360.	1.8	10
4287	Deciphering and reconstitution of positional information in the human brain development. <i>Cell Regeneration</i> , 2021, 10, 29.	1.1	4
4288	Role of Inhibitor SMADs in Stage 3 Grade B periodontitis before and after periodontal treatment. <i>Journal of Periodontal Research</i> , 2022, 57, 41-51.	1.4	1
4289	Ginkgo Biloba Extract EGB761 Alleviates Warfarin-induced Aortic Valve Calcification Through the BMP2/Smad1/5/Runx2 Signaling Pathway. <i>Journal of Cardiovascular Pharmacology</i> , 2021, 78, 411-421.	0.8	6
4290	Wound healing properties of flavonoids: A systematic review highlighting the mechanisms of action. <i>Phytomedicine</i> , 2021, 90, 153636.	2.3	59
4291	Low-molecular-weight whey proteins promote collagen production in dermal fibroblasts via the TGF- $\beta$ 2 receptor/Smad pathway. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2232-2240.	0.6	2
4292	Identification of Smurf2 as a HIF-1 $\alpha$ degrading E3 ubiquitin ligase. <i>Oncotarget</i> , 2021, 12, 1970-1979.	0.8	5
4293	Controlling BMP growth factor bioavailability: The extracellular matrix as multi skilled platform. <i>Cellular Signalling</i> , 2021, 85, 110071.	1.7	14

#	ARTICLE	IF	CITATIONS
4294	Menstrual blood <sup>+</sup> mesenchymal stem cells reduced fibrosis rate in the rat model of premature ovarian failure. <i>Cell Biochemistry and Function</i> , 2021, 39, 998-1008.	1.4	16
4295	Transgenic mouse models of breast cancer. <i>Cancer Letters</i> , 2021, 516, 73-83.	3.2	7
4296	A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46464-46477.	4.0	5
4297	Anti-TGF $\hat{2}$ (Transforming Growth Factor $\hat{2}$ ) Therapy With Betaglycan-Derived P144 Peptide Gene Delivery Prevents the Formation of Aortic Aneurysm in a Mouse Model of Marfan Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, e440-e452.	1.1	12
4298	A functional <i>TGFB1</i> polymorphism in the donor associates with long-term graft survival after kidney transplantation. <i>CKJ: Clinical Kidney Journal</i> , 2022, 15, 278-286.	1.4	7
4300	Bmp Signaling Regulates Hand1 in a Dose-Dependent Manner during Heart Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9835.	1.8	3
4301	Functionally diverse heteromeric traps for ligands of the transforming growth factor- $\hat{2}$ superfamily. <i>Scientific Reports</i> , 2021, 11, 18341.	1.6	4
4302	Transforming Growth Factor- $\hat{2}$ 1/Smad Signaling in Glomerulonephritis and Its Association with Progression to Chronic Kidney Disease. <i>American Journal of Nephrology</i> , 2021, 52, 653-665.	1.4	6
4303	Out of Control: The Role of the Ubiquitin Proteasome System in Skeletal Muscle during Inflammation. <i>Biomolecules</i> , 2021, 11, 1327.	1.8	37
4304	P300/CBP-Associated Factor Activates Cardiac Fibroblasts by SMAD2 Acetylation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9944.	1.8	10
4306	$\hat{2}$ -cell Smad2 null mice have improved $\hat{2}$ -cell function and are protected from diet-induced hyperglycemia. <i>Journal of Biological Chemistry</i> , 2021, 297, 101235.	1.6	5
4307	A primer on cytokines. <i>Cytokine</i> , 2021, 145, 155458.	1.4	37
4308	SMAD2 regulates testicular development and testosterone synthesis in Hu sheep. <i>Theriogenology</i> , 2021, 174, 139-148.	0.9	9
4309	A novel caffeic acid derivative prevents renal remodeling after ischemia/reperfusion injury. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112028.	2.5	3
4310	Spermatozoa and seminal plasma small extracellular vesicles miRNAs as biomarkers of boar semen cryotolerance. <i>Theriogenology</i> , 2021, 174, 60-72.	0.9	13
4311	Potential underlying genetic associations between keratoconus and diabetes mellitus. <i>Advances in Ophthalmology Practice and Research</i> , 2021, 1, 100005.	0.3	8
4312	HMEJ-mediated site-specific integration of a myostatin inhibitor increases skeletal muscle mass in porcine. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 49-62.	2.3	8
4313	Discovery of 4-aminoquinolines as highly selective TGF $\hat{2}$ R1 inhibitors with an attenuated MAP4K4 profile for potential applications in immuno-oncology. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113763.	2.6	1

#	ARTICLE	IF	CITATIONS
4314	Transforming Growth Factor- $\beta$ (TGF- $\beta$ ) Family of Molecule. , 2022, , 308-313.		0
4315	Nogo-B receptor is required for stabilizing TGF- $\beta$ type I receptor and promotes the TGF- $\beta$ 1-induced epithelial-to-mesenchymal transition of non-small cell lung cancer. Journal of Cancer, 2021, 12, 717-725.	1.2	3
4316	Metabolic requirements of pulmonary fibrosis: role of fibroblast metabolism. FEBS Journal, 2021, 288, 6331-6352.	2.2	31
4317	Biomarkers as Putative Therapeutic Targets in Colorectal Cancer. , 2021, , 123-177.		0
4318	Kanglexin protects against cardiac fibrosis and dysfunction in mice by TGF- $\beta$ 1/ERK1/2 noncanonical pathway. Frontiers in Pharmacology, 2020, 11, 572637.	1.6	2
4319	A Negative Feedback Loop Between NAMPT and TGF- $\beta$ Signaling Pathway in Colorectal Cancer Cells. OncoTargets and Therapy, 2021, Volume 14, 187-198.	1.0	9
4320	Conformational landscape of multidomain SMAD proteins. Computational and Structural Biotechnology Journal, 2021, 19, 5210-5224.	1.9	9
4321	Characterization of scaffold carriers for BMP9-transduced osteoblastic progenitor cells in bone regeneration. Journal of Biomedical Materials Research - Part A, 2013, 102, n/a-n/a.	2.1	19
4322	TGF- $\beta$ receptors: Assembly, signalling, and disease relevance. Signal Transduction, 2006, 6, 301-313.	0.7	3
4323	Targeting Early Healing Phase with Titania Nanotube Arrays on Tunable Diameters to Accelerate Bone Regeneration and Osseointegration. Small, 2021, 17, e2006287.	5.2	57
4324	Extrinsic and Intrinsic Factors Modulating Proliferation and Self-renewal of Multipotential CNS Progenitors and Adult Neural Stem Cells of the Subventricular Zone. , 2006, , 30-83.		1
4325	Molecular Signaling in Thyroid Cancer. , 2004, 122, 237-264.		16
4326	Activins and inhibins: Physiological roles, signaling mechanisms and regulation. , 2005, , 1-28.		2
4327	Transforming Growth Factor- $\beta$ s in the Brain. , 2006, , 123-141.		4
4328	ADF/Cofilin, Actin Dynamics, and Disease. , 2008, , 83-187.		4
4329	Cytokines in CNS Inflammation and Disease. , 2008, , 59-106.		17
4330	Insulin-Like Growth Factors (IGFs), IGF Binding Proteins, and Other Endocrine Factors in Milk: Role in the Newborn. , 2008, 606, 397-422.		77
4331	Cellular and Molecular Mechanisms of Pulmonary Vascular Smooth Muscle Cell Proliferation. , 2011, , 323-334.		2

#	ARTICLE	IF	CITATIONS
4332	TGF- $\beta$ 2 in Dopamine Neuron Development, Maintenance and Neuroprotection. <i>Advances in Experimental Medicine and Biology</i> , 2009, 651, 81-90.	0.8	46
4333	TGF- $\beta$ 2 Signaling Alterations in Neoplastic and Stromal Cells. , 2010, , 335-348.		1
4334	Regulation of TGF- $\beta$ 2 Receptors. <i>Methods in Molecular Biology</i> , 2016, 1344, 1-33.	0.4	14
4335	Determining TGF- $\beta$ 2 Receptor Levels in the Cell Membrane. <i>Methods in Molecular Biology</i> , 2016, 1344, 35-47.	0.4	7
4336	The Prospect of a Novel Therapeutic, Bone Morphogenetic Protein-7, in Diabetic Nephropathy. , 2006, , 315-326.		1
4337	Involvement of km23 Dynein Light Chains in TGF $\beta$ 2 Signaling. , 2008, , 169-184.		3
4338	Mechanisms of Cell Cycle Regulation by TGF- $\beta$ 2 Disabled in Cancer. , 2008, , 213-242.		1
4339	Ski, SnoN, and Akt as Negative Regulators of Smad Activity: Balancing Cell Death and Cell Survival. , 2008, , 139-153.		1
4340	Inhibition of TGF- $\beta$ 2 Signaling in Multiple Myeloma and Its Bone Marrow Microenvironment. , 2008, , 219-227.		1
4341	Therapeutic Effects of Adenovirus-Mediated Gene Transfer of TGF- $\beta$ 2 Signal Antagonists on Undesirable Epithelial-Mesenchymal Transition and Neovascularization. , 2008, , 367-381.		1
4342	Aberrant Transforming Growth Factor- $\beta$ 2 Signaling in Human Pancreatic Cancer: Translational Implications. , 2008, , 523-535.		1
4343	The Use of Virtual Screening in ALK5 Kinase Inhibitor Discovery and Validation of Orally Active ALK5 Kinase Inhibitors in Oncology. , 2008, , 685-696.		3
4344	TGF- $\beta$ 2 Signaling in Endometrial Cancer. , 2008, , 63-78.		3
4345	Hereditary Haemorrhagic Telangiectasia. , 2010, , 167-188.		2
4346	Transforming Growth Factor- $\beta$ 2 and Cancer. , 2007, , 91-111.		1
4347	Hematopoietic Stem Cells. , 2009, , 347-377.		1
4348	Bioluminescence Analysis of Smad-Dependent TGF- $\beta$ 2 Signaling in Live Mice. <i>Methods in Molecular Biology</i> , 2009, 574, 193-202.	0.4	8
4349	Analysis of Ligand-Dependent Nuclear Accumulation of Smads in TGF- $\beta$ 2 Signaling. <i>Methods in Molecular Biology</i> , 2010, 647, 95-111.	0.4	4

#	ARTICLE	IF	CITATIONS
4350	Recent Advances in Understanding Mechanisms of TGF Beta Signaling and Its Role in Glioma Pathogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1202, 179-201.	0.8	33
4351	Inhibition of the TGF- $\beta$ Signaling Pathway in Tumor Cells. , 2007, 172, 77-97.		5
4352	Molecular Biology of the SARS-Coronavirus. , 2010, , .		22
4353	SARS Coronavirus and Lung Fibrosis. , 2010, , 247-258.		35
4354	Role of Cytokines in Tumor Immunity and Immune Tolerance to Cancer. , 2015, , 93-119.		4
4356	Breast Cancer Liver Metastasis. <i>Cancer Metastasis - Biology and Treatment</i> , 2011, , 273-303.	0.1	3
4357	Major Signaling Pathways Regulating the Proliferation and Differentiation of Mesenchymal Stem Cells. , 2013, , 75-100.		4
4358	Gastric Cancer: Epithelial Mesenchymal Transition. , 2016, , 275-291.		1
4359	The Transforming Growth Factor $\beta$ Superfamily in Sertoli Cell Biology. , 2005, , 227-247.		6
4360	Liver Regeneration. , 2006, , 23-36.		2
4361	Gastrointestinal Hormones and Neurotransmitters. , 2010, , 3-19.e4.		8
4362	Mechanism of Action of Hormones That Act at the Cell Surface. , 2011, , 62-82.		4
4363	Biologics and Their Interactions with Radiation. , 2012, , 83-94.		1
4364	Loss of BMP signaling mediated by BMPRI1A in osteoblasts leads to differential bone phenotypes in mice depending on anatomical location of the bones. <i>Bone</i> , 2020, 137, 115402.	1.4	10
4365	ADTRP regulates TFPI expression via transcription factor POU1F1 involved in coronary artery disease. <i>Gene</i> , 2020, 753, 144805.	1.0	9
4366	Smad7 Enhances TGF- $\beta$ -Induced Transcription of c-Jun and HDAC6 Promoting Invasion of Prostate Cancer Cells. <i>IScience</i> , 2020, 23, 101470.	1.9	22
4367	FOXO-binding partners: it takes two to tango. , 0, .		1
4368	CHAPTER 1. Photoaging in Caucasians. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 2019, , 1-30.	0.3	4

#	ARTICLE	IF	CITATIONS
4369	Degradation of intracellular TGF- $\beta$ 1 by PROTACs efficiently reverses M2 macrophage induced malignant pathological events. <i>Chemical Communications</i> , 2020, 56, 2881-2884.	2.2	13
4370	Role of Blood-Brain Barrier Dysfunction in Epileptogenesis. , 2012, , 353-361.		20
4371	Increased expression of the transforming growth factor $\beta$ 1-inducible gene HIC-5 in systemic sclerosis skin and fibroblasts: a novel antifibrotic therapeutic target. <i>Rheumatology</i> , 2020, 59, 3092-3098.	0.9	5
4376	Immunohistochemical evaluation of phosphorylated SMAD2/SMAD3 and the co-activator P300 in human glomerulonephritis: correlation with renal injury. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 908-921.	1.6	11
4377	The Myofibroblast: TGF- $\beta$ 1, A Conductor which Plays a Key Role in Fibrosis by Regulating the Balance between PPAR $\gamma$ and the Canonical WNT Pathway. <i>Nuclear Receptor Research</i> , 2017, 4, .	2.5	15
4378	Endothelial miR-30c suppresses tumor growth via inhibition of TGF- $\beta$ 1-induced Serpine1. <i>Journal of Clinical Investigation</i> , 2019, 129, 1654-1670.	3.9	60
4379	Activating and deactivating mutations in the receptor interaction site of GDF5 cause symphalangism or brachydactyly type A2. <i>Journal of Clinical Investigation</i> , 2005, 115, 2373-2381.	3.9	192
4380	Modulation of bone morphogenetic protein signaling in vivo regulates systemic iron balance. <i>Journal of Clinical Investigation</i> , 2007, 117, 1933-1939.	3.9	401
4381	The fibrodysplasia ossificans progressiva R206H ACVR1 mutation activates BMP-independent chondrogenesis and zebrafish embryo ventralization. <i>Journal of Clinical Investigation</i> , 2009, 119, 3462-72.	3.9	178
4382	Pathogenesis of holoprosencephaly. <i>Journal of Clinical Investigation</i> , 2009, 119, 1403-1413.	3.9	80
4383	Transcription intermediary factor 1 $\beta$ is a tumor suppressor in mouse and human chronic myelomonocytic leukemia. <i>Journal of Clinical Investigation</i> , 2011, 121, 2361-2370.	3.9	91
4384	Modulation of noncanonical TGF- $\beta$ 2 signaling prevents cleft palate in Tgfbr2 mutant mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 873-885.	3.9	104
4385	Intrinsic TGF- $\beta$ 2 signaling promotes age-dependent CD8+ T cell polyfunctionality attrition. <i>Journal of Clinical Investigation</i> , 2014, 124, 2441-2455.	3.9	24
4386	TGF- $\beta$ 2-spectrin/CTCF-regulated tumor suppression in human stem cell disorder Beckwith-Wiedemann syndrome. <i>Journal of Clinical Investigation</i> , 2016, 126, 527-542.	3.9	39
4387	TGF- $\beta$ 2 receptor maintains CD4 T helper cell identity during chronic viral infections. <i>Journal of Clinical Investigation</i> , 2016, 126, 3799-3813.	3.9	31
4388	Mesothelin/mucin 16 signaling in activated portal fibroblasts regulates cholestatic liver fibrosis. <i>Journal of Clinical Investigation</i> , 2017, 127, 1254-1270.	3.9	69
4389	Cytokine mediators of chronic graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2017, 127, 2452-2463.	3.9	74
4390	NF- $\kappa$ B regulates GDF-15 to suppress macrophage surveillance during early tumor development. <i>Journal of Clinical Investigation</i> , 2017, 127, 3796-3809.	3.9	116



#	ARTICLE	IF	CITATIONS
4391	TGF- $\beta$ 2/SMAD signaling regulation of mesenchymal stem cells in adipocyte commitment. <i>Stem Cell Research and Therapy</i> , 2020, 11, 41.	2.4	95
4392	Functional evidence that Activin/Nodal signaling is required for establishing the dorsal-ventral axis in the annelid <i>Capitella teleta</i> . <i>Development (Cambridge)</i> , 2020, 147, .	1.2	17
4393	The Role of MicroRNA-181a in Myocardial Fibrosis Following Myocardial Infarction in a Rat Model. <i>Medical Science Monitor</i> , 2018, 24, 4121-4127.	0.5	22
4394	Arkadia Enhances Nodal/TGF- $\beta$ 2 Signaling by Coupling Phospho-Smad2/3 Activity and Turnover. <i>PLoS Biology</i> , 2007, 5, e67.	2.6	88
4395	ShcA Protects against Epithelial-Mesenchymal Transition through Compartmentalized Inhibition of TGF- $\beta$ 2-Induced Smad Activation. <i>PLoS Biology</i> , 2015, 13, e1002325.	2.6	39
4396	TGF $\beta$ 2 and BMP Dependent Cell Fate Changes Due to Loss of Filamin B Produces Disc Degeneration and Progressive Vertebral Fusions. <i>PLoS Genetics</i> , 2016, 12, e1005936.	1.5	47
4397	Early Regulation of Profibrotic Genes in Primary Human Cardiac Myocytes by <i>Trypanosoma cruzi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0003747.	1.3	42
4398	Constraint-Based Modeling and Kinetic Analysis of the Smad Dependent TGF- $\beta$ 2 Signaling Pathway. <i>PLoS ONE</i> , 2007, 2, e936.	1.1	75
4399	A Conserved Mechanism for Control of Human and Mouse Embryonic Stem Cell Pluripotency and Differentiation by Shp2 Tyrosine Phosphatase. <i>PLoS ONE</i> , 2009, 4, e4914.	1.1	48
4400	Mad Is Required for Wingless Signaling in Wing Development and Segment Patterning in <i>Drosophila</i> . <i>PLoS ONE</i> , 2009, 4, e6543.	1.1	42
4401	SPARC Deficiency Results in Improved Surgical Survival in a Novel Mouse Model of Glaucoma Filtration Surgery. <i>PLoS ONE</i> , 2010, 5, e9415.	1.1	53
4402	<i>Drosophila</i> Smad2 Opposes Mad Signaling during Wing Vein Development. <i>PLoS ONE</i> , 2010, 5, e10383.	1.1	21
4403	TGF- $\beta$ 1 As Possible Link between Loss of Bone Mineral Density and Chronic Inflammation. <i>PLoS ONE</i> , 2010, 5, e14073.	1.1	82
4404	Identification of Retinoic Acid in a High Content Screen for Agents that Overcome the Anti-Myogenic Effect of TGF-Beta-1. <i>PLoS ONE</i> , 2010, 5, e15511.	1.1	21
4405	Genetic and Evolutionary Analyses of the Human Bone Morphogenetic Protein Receptor 2 (BMPR2) in the Pathophysiology of Obesity. <i>PLoS ONE</i> , 2011, 6, e16155.	1.1	38
4406	Polymorphisms in Stromal Genes and Susceptibility to Serous Epithelial Ovarian Cancer: A Report from the Ovarian Cancer Association Consortium. <i>PLoS ONE</i> , 2011, 6, e19642.	1.1	5
4407	ChIP-seq Defined Genome-Wide Map of TGF $\beta$ 2/SMAD4 Targets: Implications with Clinical Outcome of Ovarian Cancer. <i>PLoS ONE</i> , 2011, 6, e22606.	1.1	27
4408	Endoplasmic Reticulum Quality Control Is Involved in the Mechanism of Endoglin-Mediated Hereditary Haemorrhagic Telangiectasia. <i>PLoS ONE</i> , 2011, 6, e26206.	1.1	32

#	ARTICLE	IF	CITATIONS
4409	Designer TGF $\beta$ <sup>2</sup> Superfamily Ligands with Diversified Functionality. PLoS ONE, 2011, 6, e26402.	1.1	35
4410	Bioinformatic Analysis of Pathogenic Missense Mutations of Activin Receptor Like Kinase 1 Ectodomain. PLoS ONE, 2011, 6, e26431.	1.1	14
4411	Poly(ADP-ribose) Polymerase 1 Is Indispensable for Transforming Growth Factor- $\beta$ <sup>2</sup> Induced Smad3 Activation in Vascular Smooth Muscle Cell. PLoS ONE, 2011, 6, e27123.	1.1	35
4412	LIV-1 Promotes Prostate Cancer Epithelial-to-Mesenchymal Transition and Metastasis through HB-EGF Shedding and EGFR-Mediated ERK Signaling. PLoS ONE, 2011, 6, e27720.	1.1	94
4413	Regulatory T Cells and IL-10 Independently Counterregulate Cytotoxic T Lymphocyte Responses Induced by Transcutaneous Immunization. PLoS ONE, 2011, 6, e27911.	1.1	16
4414	Crosstalk between Nuclear Factor I-C and Transforming Growth Factor- $\beta$ <sup>2</sup> 1 Signaling Regulates Odontoblast Differentiation and Homeostasis. PLoS ONE, 2011, 6, e29160.	1.1	44
4415	A Crosstalk between the Smad and JNK Signaling in the TGF- $\beta$ <sup>2</sup> -Induced Epithelial-Mesenchymal Transition in Rat Peritoneal Mesothelial Cells. PLoS ONE, 2012, 7, e32009.	1.1	64
4416	Decreased Levels of Active SMAD2 Correlate with Poor Prognosis in Gastric Cancer. PLoS ONE, 2012, 7, e35684.	1.1	20
4417	TGF- $\beta$ <sup>2</sup> and Iron Differently Alter HBV Replication in Human Hepatocytes through TGF- $\beta$ <sup>2</sup> /BMP Signaling and Cellular MicroRNA Expression. PLoS ONE, 2012, 7, e39276.	1.1	50
4418	Proteomic Identification of ADAM12 as a Regulator for TGF- $\beta$ <sup>2</sup> 1-Induced Differentiation of Human Mesenchymal Stem Cells to Smooth Muscle Cells. PLoS ONE, 2012, 7, e40820.	1.1	24
4419	TGF-Beta Induces Serous Borderline Ovarian Tumor Cell Invasion by Activating EMT but Triggers Apoptosis in Low-Grade Serous Ovarian Carcinoma Cells. PLoS ONE, 2012, 7, e42436.	1.1	48
4420	Activin A Promotes Neuronal Differentiation of Cerebrocortical Neural Progenitor Cells. PLoS ONE, 2012, 7, e43797.	1.1	28
4421	The Different Immunoregulatory Functions of Mesenchymal Stem Cells in Patients with Low-Risk or High-Risk Myelodysplastic Syndromes. PLoS ONE, 2012, 7, e45675.	1.1	36
4422	Repulsive Guidance Molecule (RGM) Family Proteins Exhibit Differential Binding Kinetics for Bone Morphogenetic Proteins (BMPs). PLoS ONE, 2012, 7, e46307.	1.1	47
4423	Cooperative Assembly of Co-Smad4 MH1 with R-Smad1/3 MH1 on DNA: A Molecular Dynamics Simulation Study. PLoS ONE, 2013, 8, e53841.	1.1	10
4424	Signaling through the TGF Beta-Activin Receptors ALK4/5/7 Regulates Testis Formation and Male Germ Cell Development. PLoS ONE, 2013, 8, e54606.	1.1	75
4425	Overexpression of Endoglin Modulates TGF- $\beta$ <sup>2</sup> 1-Signalling Pathways in a Novel Immortalized Mouse Hepatic Stellate Cell Line. PLoS ONE, 2013, 8, e56116.	1.1	46
4426	BMP4 Is a Peripherally-Derived Factor for Motor Neurons and Attenuates Glutamate-Induced Excitotoxicity In Vitro. PLoS ONE, 2013, 8, e58441.	1.1	29

#	ARTICLE	IF	CITATIONS
4427	Critical Role of a Survivin/TGF- $\beta$ 2/mTORC1 Axis in IGF-I-Mediated Growth of Prostate Epithelial Cells. PLoS ONE, 2013, 8, e61896.	1.1	28
4428	A New Class of Small Molecule Inhibitor of BMP Signaling. PLoS ONE, 2013, 8, e62721.	1.1	219
4429	A Role of TGF- $\beta$ 1 Dependent 14-3-3 $\beta$ Phosphorylation at Ser69 and Ser74 in the Regulation of Gene Transcription, Stemness and Radioresistance. PLoS ONE, 2013, 8, e65163.	1.1	10
4430	Identification of a Novel Link between the Protein Kinase NDR1 and TGF- $\beta$ 2 Signaling in Epithelial Cells. PLoS ONE, 2013, 8, e67178.	1.1	23
4431	Induction of TGF- $\beta$ 21 Synthesis by Macrophages in Response to Apoptotic Cells Requires Activation of the Scavenger Receptor CD36. PLoS ONE, 2013, 8, e72772.	1.1	38
4432	Thioredoxin1 Downregulates Oxidized Low-Density Lipoprotein-Induced Adhesion Molecule Expression via Smad3 Protein. PLoS ONE, 2013, 8, e76226.	1.1	18
4433	TRPV1 Potentiates TGF- $\beta$ 2-Induction of Corneal Myofibroblast Development through an Oxidative Stress-Mediated p38-SMAD2 Signaling Loop. PLoS ONE, 2013, 8, e77300.	1.1	47
4434	Positive Selection in Bone Morphogenetic Protein 15 Targets a Natural Mutation Associated with Primary Ovarian Insufficiency in Human. PLoS ONE, 2013, 8, e78199.	1.1	20
4435	Cell Adhesion and Shape Regulate TGF-Beta1-Induced Epithelial-Myofibroblast Transition via MRTF-A Signaling. PLoS ONE, 2013, 8, e83188.	1.1	81
4436	Loss of Dab2 Expression in Breast Cancer Cells Impairs Their Ability to Deplete TGF- $\beta$ 2 and Induce Tregs Development via TGF- $\beta$ 2. PLoS ONE, 2014, 9, e91709.	1.1	9
4437	Growth Differentiation Factor-15 (GDF-15) Levels Are Associated with Cardiac and Renal Injury in Patients Undergoing Coronary Artery Bypass Grafting with Cardiopulmonary Bypass. PLoS ONE, 2014, 9, e105759.	1.1	56
4438	TGF- $\beta$ 2-Induced Deceptor Suppression Recruits mTORC1 and Not mTORC2 to Enhance Collagen I ( $\beta$ 2) Gene Expression. PLoS ONE, 2014, 9, e109608.	1.1	36
4439	Anti-CTGF Single-Chain Variable Fragment Dimers Inhibit Human Airway Smooth Muscle (ASM) Cell Proliferation by Down-Regulating p-Akt and p-mTOR Levels. PLoS ONE, 2014, 9, e113980.	1.1	11
4440	Transforming Growth Factor Beta Signaling Is Essential for the Autonomous Formation of Cartilage-Like Tissue by Expanded Chondrocytes. PLoS ONE, 2015, 10, e0120857.	1.1	60
4441	Increased Expression of TGF- $\beta$ 2 Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. PLoS ONE, 2015, 10, e0123641.	1.1	45
4442	PEAK1 Acts as a Molecular Switch to Regulate Context-Dependent TGF- $\beta$ 2 Responses in Breast Cancer. PLoS ONE, 2015, 10, e0135748.	1.1	42
4443	A Short Peptide That Mimics the Binding Domain of TGF- $\beta$ 21 Presents Potent Anti-Inflammatory Activity. PLoS ONE, 2015, 10, e0136116.	1.1	12
4444	TGF- $\beta$ 2 Pathway Inhibition Redifferentiates Human Pancreatic Islet $\beta$ 2 Cells Expanded In Vitro. PLoS ONE, 2015, 10, e0139168.	1.1	30

#	ARTICLE	IF	CITATIONS
4445	TGRL Lipolysis Products Induce Stress Protein ATF3 via the TGF- $\beta$ 2 Receptor Pathway in Human Aortic Endothelial Cells. PLoS ONE, 2015, 10, e0145523.	1.1	15
4446	A Histone Deacetylase Inhibitor Suppresses Epithelial-Mesenchymal Transition and Attenuates Chemoresistance in Biliary Tract Cancer. PLoS ONE, 2016, 11, e0145985.	1.1	48
4447	MAP3K19 Is a Novel Regulator of TGF- $\beta$ 2 Signaling That Impacts Bleomycin-Induced Lung Injury and Pulmonary Fibrosis. PLoS ONE, 2016, 11, e0154874.	1.1	21
4448	Imposed Optical Defocus Induces Isoform-Specific Up-Regulation of TGF $\beta$ 2 Gene Expression in Chick Retinal Pigment Epithelium and Choroid but Not Neural Retina. PLoS ONE, 2016, 11, e0155356.	1.1	15
4449	Pdgfrb is a direct regulatory target of TGF $\beta$ 2 signaling in atrioventricular cushion mesenchymal cells. PLoS ONE, 2017, 12, e0175791.	1.1	9
4450	Expression of Bmp ligands and receptors in the developing Xenopus retina. International Journal of Developmental Biology, 2007, 51, 161-165.	0.3	22
4451	Action Mechanisms and Therapeutic Targets of Renal Fibrosis. Journal of Nephrology Advances, 2016, 1, 4-14.	0.1	13
4452	Mineralized Polysaccharide Transplantation Modules Supporting Human MSC Conversion into Osteogenic Cells and Osteoid Tissue in a Non-Union Defect. Molecules and Cells, 2018, 41, 1016-1023.	1.0	3
4453	The expression of Smad signaling pathway in myocardium and potential therapeutic effects. Histology and Histopathology, 2017, 32, 651-659.	0.5	5
4454	Bone morphogenetic proteins and their receptor signaling in prostate cancer. Histology and Histopathology, 2007, 22, 1129-47.	0.5	68
4455	TGF-beta Family Signaling in Embryonic Stem Cells. International Journal of Stem Cells, 2011, 4, 18-23.	0.8	30
4456	Crosstalk of BMP-4 and RA signaling pathways on Pomc gene regulation in corticotrophs. Journal of Molecular Endocrinology, 2019, 63, 161-174.	1.1	5
4457	The Role of Tripartite Motif Family Proteins in TGF- $\beta$ 2 Signaling Pathway and Cancer. Journal of Cancer Prevention, 2018, 23, 162-169.	0.8	21
4458	Recent Advances in the Development of TGF- $\beta$ 2 Signaling Inhibitors for Anticancer Therapy. Journal of Cancer Prevention, 2020, 25, 213-222.	0.8	16
4459	TGF- $\beta$ 2-target genes are differentially regulated in corneal epithelial cells and fibroblasts. New Frontiers in Ophthalmology (London), 2017, 3, .	0.1	10
4460	The Role of Connective Tissue Growth Factor (CTGF/CCN2) in Skeletogenesis. Critical Reviews in Eukaryotic Gene Expression, 2011, 21, 43-69.	0.4	95
4461	PTHrP Gene Expression in Cancer: Do All Paths Lead to Ets?. Critical Reviews in Eukaryotic Gene Expression, 2005, 15, 115-132.	0.4	21
4462	Regulatory RNAs controlling vascular (dys)function by affecting TGF- $\beta$ family signalling. EXCLI Journal, 2015, 14, 832-50.	0.5	8

#	ARTICLE	IF	CITATIONS
4463	TGF beta signalling and its role in tumour pathogenesis.. Acta Biochimica Polonica, 2005, 52, 329-337.	0.3	147
4464	Expression of soluble recombinant TGF-beta type II receptor fused with the Fc portion of human IgG1 (sTbetaRII-Fc) in NS0 cells.. Acta Biochimica Polonica, 2019, 53, 361-369.	0.3	1
4465	Role of transforming growth factor and vascular endothelial growth factor and their receptors in the pathogenesis of bleomycin induced lung fibrosis. Journal of Medical Science and Clinical Research, 2017, 05, 23684-23691.	0.0	1
4466	BMP2 promotes proliferation and invasion of nasopharyngeal carcinoma cells via mTORC1 pathway. Aging, 2017, 9, 1326-1340.	1.4	36
4467	circ5912 suppresses cancer progression via inducing MET in bladder cancer. Aging, 2019, 11, 10826-10838.	1.4	9
4468	Insulin impedes osteogenesis of BMSCs by inhibiting autophagy and promoting premature senescence via the TGF- $\beta$ 1 pathway. Aging, 2020, 12, 2084-2100.	1.4	44
4469	Alcohol, stem cells and cancer. Genes and Cancer, 2017, 8, 695-700.	0.6	9
4470	Increased Smad3 and reduced Smad2 levels mediate the functional switch of TGF- $\beta$ 2 from growth suppressor to growth and metastasis promoter through TMEPAI/PMEPA1 in triple negative breast cancer. Genes and Cancer, 2019, 10, 134-149.	0.6	24
4471	Constitutively active transforming growth factor $\beta$ 2 receptor 1 in the mouse ovary promotes tumorigenesis. Oncotarget, 0, 7, 40904-40918.	0.8	22
4472	MicroRNA-891b is an independent prognostic factor of pancreatic cancer by targeting Cbl-b to suppress the growth of pancreatic cancer cells. Oncotarget, 2016, 7, 82338-82353.	0.8	21
4473	BMP signaling and its paradoxical effects in tumorigenesis and dissemination. Oncotarget, 2016, 7, 78206-78218.	0.8	70
4474	Focal adhesion molecule Kindlin-1 mediates activation of TGF- $\beta$ 2 signaling by interacting with TGF- $\beta$ 2RI, SARA and Smad3 in colorectal cancer cells. Oncotarget, 2016, 7, 76224-76237.	0.8	18
4475	Abnormal expression of TGF-beta type II receptor isoforms contributes to acute myeloid leukemia. Oncotarget, 2017, 8, 10037-10049.	0.8	8
4476	Transforming growth factor $\beta$ 21 promotes invasion of human JEG-3 trophoblast cells via TGF- $\beta$ 2/Smad3 signaling pathway. Oncotarget, 2017, 8, 33560-33570.	0.8	37
4477	Oroxylin A inhibits the generation of Tregs in non-small cell lung cancer. Oncotarget, 2017, 8, 49395-49408.	0.8	15
4478	Snail regulates Nanog status during the epithelial-mesenchymal transition via the Smad1/Akt/GSK3 $\beta$ 2 signaling pathway in non-small-cell lung cancer. Oncotarget, 2014, 5, 3880-3894.	0.8	65
4479	TGFBR-IDH1-Cav1 axis promotes TGF- $\beta$ 2 signalling in cancer-associated fibroblast. Oncotarget, 2017, 8, 83962-83974.	0.8	11
4480	miR-769-5p suppressed cell proliferation, migration and invasion by targeting TGFBR1 in non-small cell lung carcinoma. Oncotarget, 2017, 8, 113558-113570.	0.8	58

#	ARTICLE	IF	CITATIONS
4481	Schisandrol B and schisandrin B inhibit TGF $\beta$ 1-mediated NF $\kappa$ B activation via a Smad-independent mechanism. <i>Oncotarget</i> , 2018, 9, 3121-3130.	0.8	18
4482	SMAD4-independent activation of TGF $\beta$ 2 signaling by MUC1 in a human pancreatic cancer cell line. <i>Oncotarget</i> , 2018, 9, 6897-6910.	0.8	22
4483	The head and neck cancer cell oncogenome: a platform for the development of precision molecular therapies. <i>Oncotarget</i> , 2014, 5, 8906-8923.	0.8	176
4484	Reduced SMAD2/3 activation independently predicts increased depth of human cutaneous squamous cell carcinoma. <i>Oncotarget</i> , 2018, 9, 14552-14566.	0.8	9
4485	Transforming growth factor $\beta$ 2 pathway activity in glioblastoma. <i>Oncotarget</i> , 2015, 6, 5963-5977.	0.8	84
4486	Role of TGF $\beta$ 2 signaling in uterine carcinosarcoma. <i>Oncotarget</i> , 2015, 6, 14646-14655.	0.8	20
4487	TGF $\beta$ 2 isoforms in cancer: Immunohistochemical expression and Smad-pathway-activity-analysis in thirteen major tumor types with a critical appraisal of antibody specificity and immunohistochemistry assay validity. <i>Oncotarget</i> , 2015, 6, 26770-26781.	0.8	9
4488	Invasive oral cancer stem cells display resistance to ionising radiation. <i>Oncotarget</i> , 2015, 6, 43964-43977.	0.8	37
4489	APPL proteins promote TGF $\beta$ 2-induced nuclear transport of the TGF $\beta$ 2 type I receptor intracellular domain. <i>Oncotarget</i> , 2016, 7, 279-292.	0.8	28
4490	Inhibition of breast cancer cell motility with a non-cyclooxygenase inhibitory derivative of sulindac by suppressing TGF $\beta$ 2/miR-21 signaling. <i>Oncotarget</i> , 2016, 7, 7979-7992.	0.8	12
4491	Identification of a six microRNA signature as a novel potential prognostic biomarker in patients with head and neck squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 21579-21590.	0.8	29
4492	Twist1-related miR-26b-5p suppresses epithelial-mesenchymal transition, migration and invasion by targeting SMAD1 in hepatocellular carcinoma. <i>Oncotarget</i> , 2016, 7, 24383-24401.	0.8	52
4493	MiR-17-5p regulates cell proliferation and migration by targeting transforming growth factor $\beta$ 2 receptor 2 in gastric cancer. <i>Oncotarget</i> , 2016, 7, 33286-33296.	0.8	44
4494	Epigenetic regulation in chondrogenesis. <i>Acta Medica Okayama</i> , 2010, 64, 155-61.	0.1	27
4495	Histone acetylation influences the activity of Sox9-related transcriptional complex. <i>Acta Medica Okayama</i> , 2010, 64, 351-7.	0.1	26
4496	Schistosome infection and its effect on pulmonary circulation. <i>Global Cardiology Science &amp; Practice</i> , 2019, 2019, 5.	0.3	22
4497	TGF $\beta$ 2: Titan of Lung Fibrogenesis. <i>Current Enzyme Inhibition</i> , 2010, 6, .	0.3	65
4498	Molecular Pathways Associated with Aggressiveness of Papillary Thyroid Cancer. <i>Current Genomics</i> , 2014, 15, 162-170.	0.7	25

#	ARTICLE	IF	CITATIONS
4499	Role of Transforming Growth Factor Beta in Corneal Function, Biology and Pathology. Current Molecular Medicine, 2010, 10, 565-578.	0.6	178
4500	Patterns of Mullerian Inhibiting Substance Type II and Candidate Type I Receptors in Epithelial Ovarian Cancer. Current Molecular Medicine, 2016, 16, 222-231.	0.6	6
4501	Regulation of EMT by KLF4 in Gastrointestinal Cancer. Current Cancer Drug Targets, 2013, 13, 986-995.	0.8	58
4502	The Roles of Different Stem Cells in Premature Ovarian Failure. Current Stem Cell Research and Therapy, 2020, 15, 473-481.	0.6	23
4503	Involvement of Bone Morphogenetic Proteins (BMPs) in Ovarian Function and Infertility. The Open Reproductive Science Journal, 2008, 1, 11-15.	0.5	4
4504	Transforming Growth Factor-Beta1 and Myeloid-Derived Suppressor Cells Interplay in Cancer. The Open Cancer Immunology Journal, 2017, 6, 1-14.	0.2	5
4505	The human chondrosarcoma HCS-2/8 cell line is responsive to BMP-7, but not to IL-1 beta. Frontiers in Bioscience - Landmark, 2005, 10, 2027.	3.0	3
4506	TGF- $\beta$ signaling in cartilage homeostasis and osteoarthritis. Frontiers in Bioscience - Scholar, 2012, S4, 251-268.	0.8	99
4507	Mediator kinase module and human tumorigenesis. Critical Reviews in Biochemistry and Molecular Biology, 2015, 50, 393-426.	2.3	88
4508	Mesenchymal stem cells administered in the early phase of tumorigenesis inhibit colorectal tumor development in rats. Journal of Clinical Biochemistry and Nutrition, 2013, 53, 170-175.	0.6	11
4509	The epigenetic regulator RINF (CXXC5) maintains SMAD7 expression in human immature erythroid cells and sustains red blood cells expansion. Haematologica, 2020, Online ahead of print, 0-0.	1.7	2
4510	Cardiac Fibrosis and Cardiac Fibroblast Lineage-Tracing: Recent Advances. Frontiers in Physiology, 2020, 11, 416.	1.3	31
4511	Not so Fast: Co-Requirements for Sonic Hedgehog Induced Brain Tumorigenesis. Cancers, 2015, 7, 1484-1498.	1.7	3
4512	Expression and location of Smad2, 4 mRNAs during and after liver fibrogenesis of rats. World Journal of Gastroenterology, 2006, 12, 1577.	1.4	8
4513	Liver-gut axis in the regulation of iron homeostasis. World Journal of Gastroenterology, 2007, 13, 4737.	1.4	21
4514	Connection between inflammation and carcinogenesis in gastrointestinal tract: Focus on TGF- $\beta$ 2 signaling. World Journal of Gastroenterology, 2010, 16, 2080.	1.4	66
4515	Connective tissue growth factor reacts as an IL-6/STAT3-regulated hepatic negative acute phase protein. World Journal of Gastroenterology, 2011, 17, 151.	1.4	17
4516	Mechanisms of pyruvate kinase M2 isoform inhibits cell motility in hepatocellular carcinoma cells. World Journal of Gastroenterology, 2015, 21, 9093.	1.4	14

#	ARTICLE	IF	CITATIONS
4517	New role and molecular mechanism of Gadd45a in hepatic fibrosis. <i>World Journal of Gastroenterology</i> , 2016, 22, 2779.	1.4	22
4518	MicroRNA-431 inhibits the expression of surfactant proteins through the BMP4/activin/TGF- $\beta$ 2 signaling pathway by targeting SMAD4. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1571-1582.	1.8	2
4519	Atorvastatin attenuates TGF- $\beta$ 1-induced fibrogenesis by inhibiting Smad3 and MAPK signaling in human ventricular fibroblasts. <i>International Journal of Molecular Medicine</i> , 2020, 46, 633-640.	1.8	7
4520	Honokiol protects against epidural fibrosis by inhibiting fibroblast proliferation and extracellular matrix overproduction in rats post-laminectomy. <i>International Journal of Molecular Medicine</i> , 2020, 46, 2057-2068.	1.8	4
4521	MicroRNA-21 serves an important role during PAOO-facilitated orthodontic tooth movement. <i>Molecular Medicine Reports</i> , 2020, 22, 474-482.	1.1	8
4522	Smad-binding decoy reduces extracellular matrix expression in human hypertrophic scar fibroblasts. <i>Molecular Medicine Reports</i> , 2020, 22, 4589-4600.	1.1	3
4523	Narasin inhibits tumor metastasis and growth of ER- $\alpha$ -positive breast cancer cells by inactivation of the TGF- $\beta$ 2/SMAD3 and IL-6/STAT3 signaling pathways. <i>Molecular Medicine Reports</i> , 2020, 22, 5113-5124.	1.1	11
4524	BUB1 promotes proliferation of liver cancer cells by activating SMAD2 phosphorylation. <i>Oncology Letters</i> , 2020, 19, 3506-3512.	0.8	35
4525	Inhibitory effect of dihydromyricetin on the proliferation of JAR cells and its mechanism of action. <i>Oncology Letters</i> , 2020, 20, 357-363.	0.8	10
4526	Evaluating Ligand-Receptor Networks of TGF- $\beta$ 2 with Membrane Computing. <i>Pakistan Journal of Biological Sciences</i> , 2011, 14, 1100-1108.	0.2	6
4527	The potential role of transforming growth factor beta family ligand interactions in prostate cancer. <i>AIMS Molecular Science</i> , 2017, 4, 41-61.	0.3	2
4528	Overexpression of YOD1 Promotes the Migration of Human Oral Keratinocytes by Enhancing TGF- $\beta$ 3 Signaling. <i>Biomedical and Environmental Sciences</i> , 2018, 31, 499-506.	0.2	7
4529	Activin A prevents neuron-like PC12 cell apoptosis after oxygen-glucose deprivation. <i>Neural Regeneration Research</i> , 2013, 8, 1016-24.	1.6	3
4530	Programmed cell death protein-1/programmed cell death ligand-1 pathway inhibition and predictive biomarkers: understanding transforming growth factor-beta role. <i>Translational Lung Cancer Research</i> , 2015, 4, 728-42.	1.3	48
4531	TGF- $\beta$ 2 mediated DNA methylation in prostate cancer. <i>Translational Andrology and Urology</i> , 2012, 1, 78-88.	0.6	18
4532	Mutually inductive interactions between the lens and retina require ALK3 functions during mouse embryonic development. <i>International Journal of Ophthalmology</i> , 2012, 5, 119-24.	0.5	6
4533	Influence of bone morphogenetic protein type IA receptor conditional knockout in lens on expression of bone morphogenetic protein 4 in lens. <i>International Journal of Ophthalmology</i> , 2015, 8, 57-60.	0.5	3
4534	Targeting the Transforming Growth Factor- $\beta$ 2 Signaling in Cancer Therapy. <i>Biomolecules and Therapeutics</i> , 2013, 21, 323-331.	1.1	87



#	ARTICLE	IF	CITATIONS
4535	The potential of bone morphogenetic protein 2 as a neurotrophic factor for Parkinson's disease. <i>Neural Regeneration Research</i> , 2020, 15, 1432.	1.6	17
4536	Biomimetic approaches to complex craniofacial defects. <i>Annals of Maxillofacial Surgery</i> , 2015, 5, 4.	0.2	28
4537	Inflammation and pancreatic cancer: An updated review. <i>Saudi Journal of Gastroenterology</i> , 2019, 25, 3.	0.5	54
4538	Testicular expression of the TGF- $\beta$ 1 system and the control of Leydig cell proliferation. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2013, 04, 1-7.	0.3	3
4539	Role of TGF- $\beta$ 2 in breast cancer bone metastases. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2013, 04, 15-30.	0.3	52
4540	Targeting Transforming Growth Factor- $\beta$ 2 (TGF- $\beta$ 2) in Cancer and Non-Neoplastic Diseases. <i>Journal of Cancer Therapy</i> , 2014, 05, 735-747.	0.1	14
4541	Epigenetic regulation in cardiac fibrosis. <i>World Journal of Cardiology</i> , 2015, 7, 784.	0.5	14
4542	Transforming growth factor- $\beta$ 2 and smooth muscle differentiation. <i>World Journal of Biological Chemistry</i> , 2012, 3, 41.	1.7	95
4543	A novel 17 bp indel in the $\beta$ SMAD3 gene alters transcription level, contributing to phenotypic traits in Chinese cattle. <i>Archives Animal Breeding</i> , 2016, 59, 151-157.	0.5	21
4544	Transforming Growth Factor- $\beta$ 2: Biology and Clinical Relevance. <i>BMB Reports</i> , 2005, 38, 1-8.	1.1	54
4545	MicroRNA-152-5p inhibits proliferation and migration and promotes apoptosis by regulating expression of Smad3 in human keloid fibroblasts. <i>BMB Reports</i> , 2019, 52, 202-207.	1.1	20
4546	Role of Transforming Growth Factor- $\beta$ 2 in Tumor Invasion and Metastasis. <i>Toxicological Research</i> , 2007, 23, 197-205.	1.1	1
4547	Ovarian transcriptomic analysis of Shan Ma ducks at peak and late stages of egg production. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 1215-1224.	2.4	21
4548	The Role of the IGF Axis in Epithelial-to-Mesenchymal Transition during the Progression of Prostate Cancer. <i>Journal of Analytical Oncology</i> , 2015, 4, 157-170.	0.1	1
4549	Complexities of TGF- $\beta$ 2 Targeted Cancer Therapy. <i>International Journal of Biological Sciences</i> , 2012, 8, 964-978.	2.6	293
4550	Tgfb2 signaling is required for tenocyte recruitment and functional neonatal tendon regeneration. <i>ELife</i> , 2020, 9, .	2.8	66
4551	Fibrodysplasia ossificans progressiva mutant ACVR1 signals by multiple modalities in the developing zebrafish. <i>ELife</i> , 2020, 9, .	2.8	26
4552	Tgfb3 collaborates with PP2A and notch signaling pathways to inhibit retina regeneration. <i>ELife</i> , 2020, 9, .	2.8	30

#	ARTICLE	IF	CITATIONS
4553	The Wg and Dpp morphogens regulate gene expression by modulating the frequency of transcriptional bursts. <i>ELife</i> , 2020, 9, .	2.8	10
4554	Evolution history of duplicated <i>smad3</i> genes in teleost: insights from Japanese flounder, <i>Paralichthys olivaceus</i> . <i>PeerJ</i> , 2016, 4, e2500.	0.9	5
4555	Molecular characteristic of activin receptor IIB and its functions in growth and nutrient regulation in <i>Eriocheir sinensis</i> . <i>PeerJ</i> , 2020, 8, e9673.	0.9	3
4556	A narrative review of the relationship between TGF- $\beta$ 2 signaling and gynecological malignant tumor. <i>Annals of Translational Medicine</i> , 2021, 9, 1601-1601.	0.7	7
4557	Global Histone H3 Lysine 4 Trimethylation (H3K4me3) Landscape Changes in Response to TGF $\beta$ 2. <i>Epigenetics Insights</i> , 2021, 14, 251686572110517.	0.6	3
4558	PCOS, Hashimoto's disease, celiac disease, endometriosis - genetically conditioned autoimmune disorder causing infertility?. <i>Fides Et Ratio</i> , 2021, 47, 110-129.	0.0	0
4560	BMP pathway regulation of insulin signaling components promotes lipid storage in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2021, 17, e1009836.	1.5	11
4561	Epigallocatechin-3-Gallate Suppresses BMP-6-Mediated SMAD1/5/8 Transactivation of Hcpidin Gene by Inducing SMILE in Hepatocytes. <i>Antioxidants</i> , 2021, 10, 1590.	2.2	4
4562	Transforming Growth Factor- $\beta$ 2: An Agent of Change in the Tumor Microenvironment. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 764727.	1.8	29
4563	Mechano-regulated cell-cell signaling in the context of cardiovascular tissue engineering. <i>Biomechanics and Modeling in Mechanobiology</i> , 2022, 21, 5-54.	1.4	6
4564	miR-301a-5p Regulates TGF $\beta$ 2 during Chicken Spermatogenesis. <i>Genes</i> , 2021, 12, 1695.	1.0	5
4565	Beyond immunosuppressive effects: dual roles of myeloid-derived suppressor cells in bone-related diseases. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7161-7183.	2.4	18
4566	Runx3 regulates iron metabolism via modulation of BMP signalling. <i>Cell Proliferation</i> , 2021, 54, e13138.	2.4	3
4567	Molecular mechanisms of oxidative stress in asthma. <i>Molecular Aspects of Medicine</i> , 2022, 85, 101026.	2.7	90
4568	Controlled Self-Assembly of DNA-Mimicking Nanotubes to Form a Layer-by-Layer Scaffold for Homeostatic Tissue Constructs. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51321-51332.	4.0	9
4569	Cellular Signalling and Photobiomodulation in Chronic Wound Repair. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11223.	1.8	33
4570	Ambiguities in and completeness of SAS data analysis of membrane proteins: the case of the sensory rhodopsin II-transducer complex. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1386-1400.	1.1	12
4571	Genetics Responses to Hypoxia and Reoxygenation Stress in <i>Larimichthys crocea</i> Revealed via Transcriptome Analysis and Weighted Gene Co-Expression Network. <i>Animals</i> , 2021, 11, 3021.	1.0	3

#	ARTICLE	IF	CITATIONS
4572	Ginsenoside Rb1 Ameliorates Diabetic Arterial Stiffening via AMPK Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 753881.	1.6	4
4573	SPARC knockdown attenuated TGF- $\beta$ 1-induced fibrotic effects through Smad2/3 pathways in human pterygium fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2021, 713, 109049.	1.4	4
4574	Overexpression of smad7 inhibits the TGF- $\beta$ 2/Smad signaling pathway and EMT in NPHP1-defective MDCK cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 582, 57-63.	1.0	4
4575	Modulating Transcription with Artificial Regulators. <i>Handbook of Experimental Pharmacology</i> , 2004, , 535-571.	0.9	0
4576	Hydrocortisone potentiates hepatocyte growth factor expression in vascular endothelial cells. <i>Biomedical Research</i> , 2004, 25, 17-25.	0.3	0
4577	Transcription Factors in the Control of Tumor Development and Progression by TGF- $\beta$ 2 Signaling. <i>Handbook of Experimental Pharmacology</i> , 2004, , 167-207.	0.9	0
4578	Signaling Molecules for Tissue Engineering. , 2004, , 125-147.		0
4579	TGF-beta Receptors in Pulmonary Arterial Hypertension: The HHT Connection. <i>Advances in Pulmonary Hypertension</i> , 2005, 4, 13-16.	0.1	0
4580	Signal processing in the TGF- $\beta$ 2 superfamily ligand-receptor network. <i>PLoS Computational Biology</i> , 2005, preprint, e3.	1.5	0
4581	Signaling pathway of transforming growth factor $\beta$ ; and its regulation. <i>Biopolymers and Cell</i> , 2005, 21, 299-311.	0.1	0
4582	Growth Factors in the Gastrointestinal Tract. , 2006, , 183-246.		2
4583	Role of transforming growth factor beta and Wnt signalling pathways in colon cancer. , 2006, , 45-56.		0
4584	Mucosal Repair and Restitution. , 2006, , 459-475.		0
4585	Trafficking of Serine/Threonine Kinase Receptors and Smad Activation. , 2006, , 177-191.		1
4586	TRANSFORMING GROWTH FACTOR BETA (TGF- $\beta$ 2) FAMILY OF MOLECULES. , 2006, , 278-283.		0
4587	Immunohistochemical evaluation of phosphorylated SMAD2/SMAD3 and the co-activator P300 in human glomerulonephritis: correlation with renal injury. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 1-14.	1.6	0
4588	Signaling germline commitment. , 2006, , 83-90.		0
4590	Molecular Interactions of Commensal Enteric Bacteria with the Intestinal Epithelium and the Mucosal Immune System. <i>Bioscience and Microflora</i> , 2008, 27, 37-48.	0.5	0

#	ARTICLE	IF	CITATIONS
4591	TGF- $\beta$ 2 Regulates Reciprocal Differentiation of CD4 + CD25 + Foxp3 + Regulatory T Cells and IL-17-Producing Th17 Cells from Na $\beta$ -ve CD4 + CD25 $\beta$ -ve T Cells. , 2008, , 111-134.		0
4592	Fibrogenesis. Molecular Pathology Library, 2008, , 490-499.	0.1	0
4593	Reversible Smad-Dependent Signaling between Tumor Suppression and Oncogenesis. The Journal of Kansai Medical University, 2008, 60, 185-187.	0.3	0
4594	Smad Signaling in Leukemic Growth and Differentiation: Crosstalk Between Smad and Multiple Pathways Through Activation of the TGF- $\beta$ 2 Type I Receptor. , 2008, , 247-261.		0
4595	Regulation of Smad Activity by Phosphorylation. , 2008, , 105-123.		0
4596	Role of Betaig-h3 Gene in Carcinogenesis. , 2008, , 475-482.		0
4597	Transforming Growth Factor- $\beta$ 2 Signaling in Pancreas Development and Pancreatic Disease. , 2008, , 3-19.		0
4598	Interaction of Smad4 and Embryonic Liver Fodrin- $\beta$ 2-spectrin in Hyperplasia, Neoplasia, and Tumor Suppression. , 2008, , 91-103.		0
4599	TGF- $\beta$ 2 at the Crossroads Between Inflammation, Suppression and Cancer. , 2008, , 553-570.		0
4600	CD4+CD25+ Regulatory T Cells and TGF-Beta in Mucosal Inflammation. , 2008, , 279-291.		0
4601	Interaction of Oncogenic Ras and TGF $\beta$ 21 Signaling in Cancer: Lessons From the Multistage Skin Carcinogenesis Model. , 2008, , 305-315.		0
4602	Regulators of Smad2/3 Transcription and Phosphorylation. , 2008, , 77-90.		0
4603	Targeting Smad-Dependent TGF- $\beta$ 2 Signaling with Peptide Aptamers. , 2008, , 737-756.		0
4604	TGF- $\beta$ 2 Signaling in Homeostasis and Cancer. , 2008, , 23-35.		0
4605	Transforming Growth Factor- $\beta$ 2 in Brain Functions and Dysfunctions. , 2008, , 203-218.		0
4606	Transforming Growth Factor- $\beta$ 2 in Cancer Therapy: Smurfs in TGF- $\beta$ 2 Signaling and Regulation of Bone Homeostasis and Cancer. , 2008, , 155-167.		1
4607	Smads in the Fibrotic Response: Findings in the Smad3 Knockout Mouse. , 2008, , 595-607.		0
4609	TGF- $\beta$ 2 and Stromal Influences Over Local Tumor Invasion. , 2008, , 537-551.		0

#	ARTICLE	IF	CITATIONS
4610	<b>Transforming Growth Factor- $\beta$ Signaling in Bladder Fibrosis</b>. Annual Review of Biomedical Sciences, 2008, 10, .	0.5	0
4611	The molecular mechanism underlying the liver mass optimization rule. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	0
4612	Heritable Connective Tissue Disorders. , 2008, , 113-129.		0
4613	TGF $\beta$ Signaling in Head and Neck Cancer Development and Metastases. , 2009, , 163-183.		0
4614	Pulmonary Arterial Hypertension: Genetics and Gene Therapy. , 2009, , 49-56.		0
4615	Prostaglandin and Transforming Growth Factor $\beta$ Signaling in Gastric Cancer. , 2009, , 513-540.		0
4616	PULMONARY ARTERIAL HYPERTENSION. , 2009, , 401-415.		0
4617	Mouse Models of Intestinal Cancer. , 2009, , 27-49.		2
4618	Epithelial Stem Cells and the Development of the Thymus, Parathyroid, and Skin. , 2009, , 405-437.		0
4619	Maintenance of Embryonic Stem Cell Pluripotency by Nanog-Mediated Dedifferentiation of Committed Mesoderm Progenitors. , 2009, , 37-53.		0
4621	Inflammatory Cytokines and Their Role in Bone Metastasis and Osteolysis. , 2010, , 141-155.		1
4622	Growth Factor Signaling in Germline Specification and Maintenance of Stem Cell Pluripotency. Reproductive Medicine and Assisted Reproductive Techniques Series, 2009, , 96-103.	0.1	0
4623	Growth Factor Signaling in Germline Specification and Maintenance of Stem Cell Pluripotency. Reproductive Medicine and Assisted Reproductive Techniques Series, 2009, , 96-103.	0.1	0
4624	Neuron-Astroglial Interactions in Cell Fate Commitment in the Central Nervous System. , 2010, , 145-170.		0
4625	Dual Roles of Mesenchymal Stem Cells in Spinal Cord Injury: Cell Replacement Therapy and as a Model System to Understand Axonal Repair. , 2010, , 271-284.		0
4626	Bone Development and Remodeling. , 2010, , 1111-1135.		0
4627	Mitogen-Activated Protein Kinase-Activated Protein Kinases and Metastasis. Cancer Metastasis - Biology and Treatment, 2010, , 41-76.	0.1	2
4628	Interactive Signaling Pathways in the Vasculature. , 2010, , 2593-2599.		0

#	ARTICLE	IF	CITATIONS
4629	Role of Connective Tissue Growth Factor in Cardiac Fibrosis. , 2010, , 121-132.		0
4630	Microenvironment Triggers EMT, Migration and Invasion of Primary Tumor via Multiple Signal Pathways. Cancer Metastasis - Biology and Treatment, 2010, , 9-24.	0.1	0
4631	Pharmacologic Principles. , 2010, , 159-199.		0
4632	Molecular Mechanisms of Central Nervous System Metastasis. , 2010, , 167-177.		0
4633	Smad4/TGF- $\beta$ 2 Signaling Pathways in Pancreatic Cancer Pathogenesis. , 2010, , 419-439.		0
4634	Neural Stem Cells. , 2011, , 287-326.		0
4635	Genetics of Familial and Idiopathic Pulmonary Arterial Hypertension. , 2011, , 997-1009.		0
4637	TGF- $\beta$ 2 Signaling in Fibroblasts Regulates Tumor Initiation and Progression in Adjacent Epithelia. , 2011, , 223-243.		0
4638	Relationship Between Regulatory Pathways in Pluripotent Stem Cells and Human Tumors. , 2011, , 209-222.		0
4640	Smads – the Intracellular Hubs of Signalling in Regulation of Pluripotency and Differentiation of Stem Cells. , 0, , .		0
4641	Pulmonary vascular remodeling and pathobiology of pulmonary hypertension. , 2011, , 59-77.		1
4643	Role of TGF- $\beta$ 2 in Immune Suppression and Inflammation. , 2012, , 289-301.		0
4644	Deregulation of BMP Signaling in the Pathogenesis of Pulmonary Hypertension. , 0, , .		0
4645	The Role of Chondrogenic Factors in Differentiation of Bone Marrow Stromal Cells to the Cartilage Lineage. Stem Cells and Cancer Stem Cells, 2012, , 171-177.	0.1	0
4646	SARA. , 2012, , 1720-1725.		0
4647	TGF- $\beta$ 2 Action in the Cartilage in Health and Disease. , 0, , .		0
4649	Downregulation of SGK1 Expression is Critical for TGF- $\beta$ 2-induced Apoptosis in Mouse Hepatocytes Cells. Journal of Life Science, 2012, 22, 1500-1506.	0.2	1
4650	Response of Fetal and Adult Cells to Growth Factors. , 2013, , 65-77.		0

#	ARTICLE	IF	CITATIONS
4651	Role of TGF- $\beta$ 2 signaling in the ossification process of periodontal ligament cells. Journal of Japanese Society of Periodontology, 2013, 55, 132-139.	0.1	0
4652	Synovial Mesenchymal Stem Cells and Their Applications in Musculoskeletal Regeneration. , 2013, , 373-409.		0
4653	TGF- $\beta$ 2 Signaling Pathway and MicroRNAs in Cardiovascular Disease. , 2013, , 349-368.		0
4654	Signals   Bmp Signaling and Vascular Disease. , 2013, , 26-37.		0
4655	Neural Stem Cells. , 2013, , 297-335.		0
4656	Application of Next-Generation Sequencing to Analysis of TGF- $\beta$ 2/SMAD4 Targets in Ovarian Cancer. , 2013, , 119-135.		0
4657	Bmp Signaling and Vascular Disease. , 2013, , 229-239.		3
4658	Pharmacogenomics of Pulmonary and Respiratory Diseases. , 2013, , 507-527.		0
4659	Cell Cycle Control and Growth Factor Systems in Metastasis. , 2013, , 57-78.		0
4660	BMP Signaling in Regenerative Medicine. Advances in Medical Technologies and Clinical Practice Book Series, 2013, , 1-30.	0.3	0
4661	Role of Transforming Growth Factor Beta in Angiogenesis. , 2013, , 23-45.		2
4662	Meet the Stem Cells. Contemporary Food Engineering, 2013, , 111-142.	0.2	0
4663	Introduction to Virtual Cell and its Possible Application to Toxicity. , 2013, , 152-168.		0
4664	Tumor- $\beta$ Stroma Interaction and Cancer Progression. , 2014, , 25-48.		0
4665	Early Chronic Inflammation and Subsequent Somatic Mutations Shift Phospho-Smad3 Signaling from Tumor- Suppression to Fibro-Carcinogenesis in Human Chronic Liver Diseases. , 0, , .		0
4666	MicroRNAs in Epithelial Mesenchymal Transition and Breast Cancer Progression. , 2014, , 103-115.		0
4667	Aging-Associated Alterations in Myocardial Inflammation and Fibrosis: Pathophysiological Perspectives and Clinical Implications. , 2014, , 361-375.		0
4668	Neurotrophic Factors in Autism Spectrum Disorders. , 2014, , 741-754.		1

#	ARTICLE	IF	CITATIONS
4669	Intracellular Signaling. , 2014, , 22-39.e8.		1
4670	±1,6-Fucosyltransferase Knockout Mice and Schizophrenia-Like Phenotype. , 2015, , 267-280.		0
4671	Network Biomarker Construction for Molecular Investigation and Diagnosis of Lung Cancer via Microarray Data. , 2014, , 3-29.		0
4672	ITCH E3 ubiquitin ligase positively regulates TGF- $\beta$ 2 signaling to EMT via Smad7 ubiquitination (930.6). FASEB Journal, 2014, 28, 930.6.	0.2	0
4674	Transforming Growth Factor-beta Superfamily in Meningiomas: Targets for Novel Therapy in eningiomas. International Journal of Neuropathology, 0, , .	0.0	0
4675	The Defining Characteristics of Pulmonary Arterial Hypertension. , 2016, , 17-28.		0
4676	ENHANCED EXPRESSION OF TRANSFORMING GROWTH FACTOR BETA ONE (TGF- $\beta$ 1) DURING PROGRESSION OF ORAL EPITHELIAL DYSPLASIA TO CARCINOMA. Egyptian Dental Journal, 2016, 62, 739-746.	0.1	1
4677	Transforming Growth Factor-Beta and Matrix Metalloproteinases Functional Interplay in Cancer; Implications in Epithelial to Mesenchymal Transition. Cell Biology: Research & Therapy, 0, s1, .	0.2	1
4679	Anti-obese Function of Polysaccharides derived from Korean Ginseng (Panax ginseng C.A. Meyer) and Development of Functional Food Material in Preventing Obesity. The Korea Journal of Herbology, 2016, 31, 71-77.	0.2	1
4681	Expression of TGF- $\beta$ 1 and ALDH1 and Their Clinical Significance in Patients with Intrahepatic Cholangiocarcinoma. Medical Diagnosis, 2017, 07, 65-72.	0.0	0
4682	Smad4-TGF- $\beta$ 2 Signaling Pathways in Pancreatic Cancer Pathogenesis. , 2017, , 1-25.		0
4683	Role of Transforming Growth Factor Beta Family in Angiogenesis. , 2017, , 75-103.		0
4686	Wachstumsfaktoren unter besonderer Berücksichtigung des muskuloskelettalen Systems. , 2018, , 171-228.		0
4689	Thoracic Aortic Dilatation, Aneurysm and Dissection. , 2018, , 647-660.		0
4690	TGF- $\beta$ 2/Smad Signalling Pathway in Cancer. , 2018, , 151-185.		0
4691	Transforming Growth Factor Beta (TGF- $\beta$ 2) Signaling in Head and Neck Squamous Cell Carcinoma (HNSCC). Current Cancer Research, 2018, , 89-115.	0.2	0
4692	STIMULATION OF ANGIOGENESIS WITH ENDOGENIC GROWTH FACTORS. Vestnik Nacionalnogo Mediko-hirurgičeskogo Centra Im N I Pirogova, 2018, 13, 96-102.	0.0	1
4693	SARA. , 2018, , 4826-4832.		0



#	ARTICLE	IF	CITATIONS
4695	Human Urothelial Cells Isolation, In Vitro Expansion and Characterization for Evaluating Bio-Engineering Potentials. , 2018, 2, 1-13.		85
4696	Ovarian activity regulation by anti-MÅ¼llerian hormone in early stages of human female life, an overview. Anthropological Review, 2018, 81, 325-340.	0.2	1
4698	Granular Corneal Dystrophy Type 2: Prevalence in South Korea, Molecular Pathogenesis, and Therapeutic Approaches. Essentials in Ophthalmology, 2019, , 449-460.	0.0	0
4701	From Scale to Spine: Evolution and Developmental Diversity of Skin Spines in Pufferfishes. SSRN Electronic Journal, 0, , .	0.4	0
4708	Ginsenoside Rg3 Reduces Epithelial-Mesenchymal Transition Induced by Transforming Growth Factor-Î²1 by Inactivation of AKT in HMrSV5 Peritoneal Mesothelial Cells. Medical Science Monitor, 2019, 25, 6972-6979.	0.5	1
4711	1. Stem Cells. , 2019, , 10-36.		0
4712	Intracellular signalling. , 2020, , 256-265.		0
4714	&lt;i>&gt;Aloe vera&lt;/i>&lt;i>&gt;â€”Mechanisms of Action, Uses, and Potential Uses in Plastic Surgery and Wound Healing. Surgical Science, 2020, 11, 312-328.	0.1	5
4715	Bone morphogenetic proteins mediate crosstalk between cancer cells and the tumour microenvironment at primary tumours and metastases (Review). International Journal of Oncology, 2020, 56, 1335-1351.	1.4	4
4719	Role of collagen degradation pathway in sphingomyelin synthase 2-deficient mouse skin. Biomedical Dermatology, 2021, 5, .	7.6	1
4720	Understanding Drivers of Ocular Fibrosis: Current and Future Therapeutic Perspectives. International Journal of Molecular Sciences, 2021, 22, 11748.	1.8	17
4721	Long noncoding RNA SGO1-AS1 inactivates TGFÎ² signaling by facilitating TGFB1/2 mRNA decay and inhibits gastric carcinoma metastasis. Journal of Experimental and Clinical Cancer Research, 2021, 40, 342.	3.5	13
4722	Role of Cytokines in Tumor Immunity and Immune Tolerance to Cancer. , 2020, , 205-233.		0
4723	Growth Factors and Osteoarthritis. , 2020, , 632-640.		1
4724	Basic Biology of Brain Metastasis. , 2020, , 19-35.		0
4725	Uterine fibroids: the role of signaling pathways in the pathogenesis. A literature review. Journal of Obstetrics and Women's Diseases, 2020, 69, 113-124.	0.0	4
4727	Comprehensive Biology and Genetics Compendium of Wilms Tumor Cell Lines with Different WT1 Mutations. Cancers, 2021, 13, 60.	1.7	10
4730	Botulinum Toxin Type A and Its Possible Mechanisms on Wound Healing. Modern Plastic Surgery, 2020, 10, 38-55.	0.2	1

#	ARTICLE	IF	CITATIONS
4731	Crosstalk of Molecular Signaling in Hepatocellular Carcinoma. , 2020, , 85-94.		1
4732	The RPE in Myopia Development. , 2020, , 117-138.		2
4733	Manifestation of Pathological States of Numerous Diseases in the Largest Organ of the Human Body: (II) From Pancreatitis to Pancreatic Cancer Invasion, Formation of Stroma around the Primary Tumor in the Fascia, to Early Detection of Non-Coding microRNAs in Body Fluids and Development of Drugs to Treat Different Stages of Pancreatic Cancer. International Journal of Clinical Medicine, 2020, 11, 618-718.	0.1	0
4734	Molecular Pathways Involved in the Pathogenesis of Pancreatic Cancer: Role of Phytochemicals in Targeting the Clinical Outcomes. , 2020, , 223-260.		0
4735	Silencing of UBE2D1 inhibited cell migration in gastric cancer, decreasing ubiquitination of SMAD4. Infectious Agents and Cancer, 2021, 16, 63.	1.2	4
4736	Smad4 controls signaling robustness and morphogenesis by differentially contributing to the Nodal and BMP pathways. Nature Communications, 2021, 12, 6374.	5.8	18
4737	Pharmacological Modulation of Ubiquitin-Proteasome Pathways in Oncogenic Signaling. International Journal of Molecular Sciences, 2021, 22, 11971.	1.8	42
4738	TGF $\beta$ 21 regulates prolactin secretion during postnatal development: gender differences. Journal of Endocrinology, 2020, 246, 29-39.	1.2	2
4740	BMP Signaling in Regenerative Medicine. , 0, , 1252-1281.		0
4743	Para- und autokrine Aspekte der Pathogenese des dukalen Pankreaskarzinoms: Einfluss von Zytokinen und Wachstumsfaktoren. , 2006, , 309-321.		0
4744	Transcriptional Regulation by Smads. , 2006, , 185-206.		0
4745	Bioluminescent Imaging of Excitotoxic and Endotoxic Brain Injury in Living Mice. , 2008, , 175-182.		0
4746	Apoptosis in Colorectal Tumorigenesis and Chemotherapy. , 2009, , 75-109.		0
4747	Receptors. , 2005, , 9-33.		0
4748	Role of TGF- $\beta$ 2 in Tumor Progression and Metastasis. , 2006, , 469-489.		0
4749	Genetic Pathways in Pancreatic Tumorigenesis. , 2008, , 513-526.		0
4751	A low affinity cis-regulatory BMP response element restricts target gene activation to subsets of Drosophila neurons. ELife, 2020, 9, .	2.8	3
4752	Troglitazone suppresses transforming growth factor beta-mediated fibrogenesis in retinal pigment epithelial cells. Molecular Vision, 2008, 14, 95-104.	1.1	29

#	ARTICLE	IF	CITATIONS
4753	Vitreous induces heme oxygenase-1 expression mediated by transforming growth factor-beta and reactive oxygen species generation in human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2007, 13, 66-78.	1.1	5
4755	Differential expression of transforming growth factor-beta isoforms in bullous keratopathy corneas. <i>Molecular Vision</i> , 2010, 16, 161-6.	1.1	12
4757	Suppression of transforming growth factor- $\beta^2$ effects in rabbit subconjunctival fibroblasts by activin receptor-like kinase 5 inhibitor. <i>Molecular Vision</i> , 2010, 16, 1880-92.	1.1	27
4759	Colon cancer stem cells. <i>Gastrointestinal Cancer Research: GCR</i> , 2010, , S16-23.	0.8	40
4762	Aging and Cardiac Fibrosis. , 2011, 2, 158-173.		201
4763	Quantitative relationships between transforming growth factor beta mRNA isoforms in congenital and traumatic cataracts. <i>Molecular Vision</i> , 2011, 17, 3025-33.	1.1	2
4764	Halofuginone down-regulates Smad3 expression and inhibits the TGFbeta-induced expression of fibrotic markers in human corneal fibroblasts. <i>Molecular Vision</i> , 2012, 18, 479-87.	1.1	30
4765	Molecular basis of Mammalian embryonic stem cell pluripotency and self-renewal. <i>Acta Naturae</i> , 2010, 2, 30-46.	1.7	6
4767	WW Domain Containing Transcription Regulator regulates human conjunctiva epithelial cell proliferation via inhibiting TGF $\beta^2$ signaling pathway [corrected]. <i>Molecular Vision</i> , 2012, 18, 1402-10.	1.1	3
4768	Halofuginone mediated protection against radiation-induced leg contracture. <i>International Journal of Oncology</i> , 2009, 35, 315-9.	1.4	8
4770	In vitro and in vivo studies on the effects of bone morphogenetic protein-7 on human kidney and lung tumor cells. <i>International Journal of Biomedical Science</i> , 2010, 6, 176-81.	0.5	5
4771	BMP9 signaling in stem cell differentiation and osteogenesis. <i>American Journal of Stem Cells</i> , 2013, 2, 1-21.	0.4	122
4773	TGFBR1 and cancer susceptibility. <i>Transactions of the American Clinical and Climatological Association</i> , 2014, 125, 300-12.	0.9	19
4775	Vicious cycle of TGF- $\beta^2$ signaling in tumor progression and metastasis. <i>American Journal of Clinical and Experimental Urology</i> , 2014, 2, 149-55.	0.4	17
4778	Losartan reduces myocardial interstitial fibrosis in diabetic cardiomyopathy rats by inhibiting JAK/STAT signaling pathway. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 466-73.	0.5	21
4780	Neovibsanin B increases extracellular matrix proteins in optic nerve head cells via activation of Smad signalling pathway. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 3395-403.	0.5	2
4781	Keratoconus in vitro and the key players of the TGF- $\beta^2$ pathway. <i>Molecular Vision</i> , 2015, 21, 577-88.	1.1	26
4782	$\beta^2$ -arrestin1 over-expression is associated with an unfavorable prognosis in lung adenocarcinomas and correlated with vascular endothelial growth factor. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 3785-93.	0.5	7

#	ARTICLE	IF	CITATIONS
4783	TGF- $\beta$ 1 induces human aortic vascular smooth muscle cell phenotype switch through PI3K/AKT/ID2 signaling. American Journal of Translational Research (discontinued), 2015, 7, 2764-74.	0.0	28
4784	Molecular basis of differentiation therapy for soft tissue sarcomas. Trends in Cancer Research, 2010, 6, 69-90.	1.6	6
4786	Galectin-1 mediates TGF- $\beta$ -induced transformation from normal fibroblasts into carcinoma-associated fibroblasts and promotes tumor progression in gastric cancer. American Journal of Translational Research (discontinued), 2016, 8, 1641-58.	0.0	13
4787	Exosome-mediated transfer from the tumor microenvironment increases TGF $\beta$ 2 signaling in squamous cell carcinoma. American Journal of Translational Research (discontinued), 2016, 8, 2432-7.	0.0	49
4788	Interplay of retinal determination gene network with TGF- $\beta$ 2 signaling pathway in epithelial-mesenchymal transition. Stem Cell Investigation, 2015, 2, 12.	1.3	6
4789	Anticytoproliferative effect of Vitamin C on rat hepatic stellate cell. American Journal of Translational Research (discontinued), 2016, 8, 2820-5.	0.0	12
4790	MicroRNA-17/20a impedes migration and invasion via TGF- $\beta$ 2/ITGB6 pathway in esophageal squamous cell carcinoma. American Journal of Cancer Research, 2016, 6, 1549-62.	1.4	15
4791	AGR2 promotes the proliferation, migration and regulates epithelial-mesenchymal transition in salivary adenoid cystic carcinoma. American Journal of Translational Research (discontinued), 2017, 9, 507-519.	0.0	8
4792	Nanocurcumin-Mediated Down-Regulation of Telomerase Via Stimulating TGF $\beta$ 21 Signaling Pathway in Hepatocellular Carcinoma Cells. Iranian Biomedical Journal, 2018, 22, 171-9.	0.4	2
4793	S-allyl-cysteine attenuates carbon tetrachloride-induced liver fibrosis in rats by targeting STAT3/SMAD3 pathway. American Journal of Translational Research (discontinued), 2018, 10, 1337-1346.	0.0	10
4794	Islet transplantation attenuates cardiac fibrosis in diabetic rats through inhibition of TGF- $\beta$ 2/Smad3 pathway. American Journal of Translational Research (discontinued), 2018, 10, 2445-2456.	0.0	2
4795	Role of Hippo Pathway Effector Tafazzin Protein in Maintaining Stemness of Umbilical Cord-Derived Mesenchymal Stem Cells (UC-MSC). International Journal of Hematology-Oncology and Stem Cell Research, 2018, 12, 153-165.	0.3	0
4796	Metformin inhibits ovarian cancer growth and migration in vitro and in vivo by enhancing cisplatin cytotoxicity. American Journal of Translational Research (discontinued), 2018, 10, 3086-3098.	0.0	21
4797	Immunoexpression of Transforming Growth Factor Beta 3 (TGF $\beta$ 3) and Its Receptor Type III (TGF $\beta$ RIII) in Basal Cell Carcinomas. Current Health Sciences Journal, 2018, 44, 166-171.	0.2	0
4798	Plasma follistatin-like protein 1 is correlated with disease severity in patients with acute pulmonary embolism and predicts short-term mortality. International Journal of Clinical and Experimental Pathology, 2017, 10, 8786-8794.	0.5	0
4799	Molecular Signatures of Sinus Node Dysfunction Induce Structural Remodeling in the Right Atrial Tissue. Molecules and Cells, 2020, 43, 408-418.	1.0	2
4800	Directed Blocking of TGF- $\beta$ 2 Receptor I Binding Site Using Tailored Peptide Segments to Inhibit its Signaling Pathway. Iranian Journal of Biotechnology, 2020, 18, e2561.	0.3	0
4801	Perspective on the treatment of non-small cell lung cancer in the context of potential SARS-CoV-2 infection during the pandemic. Journal of Current Science and Technology, 2021, 11, .	0.0	0

#	ARTICLE	IF	CITATIONS
4803	DUSP5 promotes osteogenic differentiation through SCP1/2-dependent phosphorylation of SMAD1. <i>Stem Cells</i> , 2021, 39, 1395-1409.	1.4	3
4804	MICAL2 Promotes Proliferation and Migration of Glioblastoma Cells Through TGF- $\beta$ /p-Smad2/EMT-Like Signaling Pathway. <i>Frontiers in Oncology</i> , 2021, 11, 735180.	1.3	7
4805	Bone morphogenetic protein 9 enhances osteogenic and angiogenic responses of human amniotic mesenchymal stem cells cocultured with umbilical vein endothelial cells through the PI3K/AKT/m-TOR signaling pathway. <i>Aging</i> , 2021, 13, 24829-24849.	1.4	10
4806	The MEG3 lncRNA promotes trophoblastic cell growth and invasiveness in preeclampsia by acting as a sponge for miR-21, which regulates BMPR2 levels. <i>European Journal of Histochemistry</i> , 2021, 65, .	0.6	4
4807	Transforming growth factor $\beta$ latency: A mechanism of cytokine storage and signalling regulation in liver homeostasis and disease. <i>JHEP Reports</i> , 2022, 4, 100397.	2.6	25
4808	Epigenetic Modulation of Class-Switch DNA Recombination to IgA by miR-146a Through Downregulation of Smad2, Smad3 and Smad4. <i>Frontiers in Immunology</i> , 2021, 12, 761450.	2.2	2
4809	Akt acts as a switch for GPCR transactivation of the TGF $\beta$ receptor type 1. <i>FEBS Journal</i> , 2022, 289, 2642-2656.	2.2	6
4811	Direct TGF $\beta$ signaling via alk4/5/7 pathway is involved in gut bending in sea urchin embryos. <i>Developmental Dynamics</i> , 2021, , .	0.8	1
4812	RNA-seq of buffalo fibroblasts over-expressed pluripotent-related genes to investigate characteristics of its preliminarily reprogrammed stage. <i>Research in Veterinary Science</i> , 2022, 144, 164-174.	0.9	3
4813	Interspecies transcriptomics identify genes that underlie disproportionate foot growth in jerboas. <i>Current Biology</i> , 2022, 32, 289-303.e6.	1.8	13
4814	Regulatory role of the transforming growth factor- $\beta$ signaling pathway in the drug resistance of gastrointestinal cancers. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 1648-1667.	0.8	4
4815	Influence of leptin and compression in GAS-mediated homeostasis of periodontal ligament cell. <i>Oral Diseases</i> , 2023, 29, 1172-1183.	1.5	7
4816	Connective Tissue Disorders and Cardiovascular Complications: The Indomitable Role of Transforming Growth Factor- $\beta$ Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1348, 161-184.	0.8	6
4817	Ovarian insufficiency and secondary amenorrhea in a patient with a novel variant within GDF9 gene. <i>Menopause</i> , 2022, Publish Ahead of Print, .	0.8	1
4818	MicroRNAs involved in the TGF- $\beta$ signaling pathway in atherosclerosis. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112499.	2.5	7
4819	DUSP5 Promotes Osteogenic Differentiation Through SCP1/2-Dependent Phosphorylation of SMAD1. <i>Stem Cells</i> , 2021, 39, 1395-1409.	1.4	9
4820	Identification and Expression Characterization of the Smad3 Gene and SNPs Associated with Growth Traits in the Hard Clam ( <i>Meretrix meretrix</i> ). <i>Fishes</i> , 2021, 6, 83.	0.7	1
4821	TBL1X and Flot2 form a positive feedback loop to promote metastasis in nasopharyngeal carcinoma. <i>International Journal of Biological Sciences</i> , 2022, 18, 1134-1149.	2.6	8

#	ARTICLE	IF	CITATIONS
4822	Stem cells and regenerative medicine for musculoskeletal tissue. , 2022, , 319-360.		0
4823	Activation of STAT and SMAD Signaling Induces Heparin Re-Expression as a Therapeutic Target for $\beta$ -Thalassemia Patients. <i>Biomedicines</i> , 2022, 10, 189.	1.4	4
4824	A novel role for PRL in regulating epithelial cell density by inducing apoptosis at confluence. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	4
4825	EZH2-triggered methylation of SMAD3 promotes its activation and tumor metastasis. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	17
4826	Retinal pigment epithelium-specific CLIC4 mutant is a mouse model of dry age-related macular degeneration. <i>Nature Communications</i> , 2022, 13, 374.	5.8	16
4827	Serum GDF-15 Predicts In-Hospital Mortality and Arrhythmic Risks in Patients With Acute Myocardial Infarction. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2022, 28, 107602962110638.	0.7	2
4828	TGF- $\beta$ 1 inhibits human trophoblast cell invasion by upregulating kisspeptin expression through ERK1/2 but not SMAD signaling pathway. <i>Reproductive Biology and Endocrinology</i> , 2022, 20, 22.	1.4	11
4829	The role of leucine-rich alpha-2-glycoprotein-1 in proliferation, migration, and invasion of tumors. <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 283-291.	1.2	8
4830	ZMIZ2 promotes the development of triple-receptor negative breast cancer. <i>Cancer Cell International</i> , 2022, 22, 52.	1.8	4
4831	Synthesis and biological evaluation of 4-(pyridine-4-oxo)-3-(tetrahydro-2H-pyran-4-yl)-pyrazole derivatives as novel, potent of ALK5 receptor inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 61, 128552.	1.0	5
4832	A Single-Cell Omics Network Model of Cell Crosstalk during the Formation of Primordial Follicles. <i>Cells</i> , 2022, 11, 332.	1.8	5
4833	Bifunctional Peptide that Anneals to Damaged Collagen and Clusters TGF- $\beta$ 2 Receptors Enhances Wound Healing. <i>ACS Chemical Biology</i> , 2022, 17, 314-321.	1.6	6
4834	The Immune Underpinnings of Barrett's-Associated Adenocarcinogenesis: a Retrial of Nefarious Immunologic Co-Conspirators. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1297-1315.	2.3	2
4835	The Search for Biomarkers and Treatments in Chagas Disease: Insights From TGF-Beta Studies and Immunogenetics. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 767576.	1.8	8
4836	KIAA1199 drives immune suppression to promote colorectal cancer liver metastasis by modulating neutrophil infiltration. <i>Hepatology</i> , 2022, 76, 967-981.	3.6	29
4837	Atypical TGF- $\beta$ 2 signaling controls neuronal guidance in <i>Caenorhabditis elegans</i> . <i>IScience</i> , 2022, 25, 103791.	1.9	7
4838	Myostatin: Basic biology to clinical application. <i>Advances in Clinical Chemistry</i> , 2022, 106, 181-234.	1.8	21
4839	RNA m6A Alterations Induced by Biomaterialization Nanoparticles: A Proof-of-Concept Study of Epitranscriptomics for Nanotoxicity Evaluation. <i>Nanoscale Research Letters</i> , 2022, 17, 23.	3.1	3

#	ARTICLE	IF	CITATIONS
4840	PD-L1 promotes myofibroblastic activation of hepatic stellate cells by distinct mechanisms selective for TGF- $\beta$ 2 receptor I versus II. <i>Cell Reports</i> , 2022, 38, 110349.	2.9	15
4841	SYT-SSX1 enhances the invasiveness and maintains stem-like cell properties in synovial sarcoma via induction of TGF- $\beta$ 1/Smad signaling. <i>BMC Cancer</i> , 2022, 22, 166.	1.1	5
4842	Long non-coding RNAs as the critical regulators of epithelial mesenchymal transition in colorectal tumor cells: an overview. <i>Cancer Cell International</i> , 2022, 22, 71.	1.8	29
4843	Shifting the Focus of Signaling Abnormalities in Colon Cancer. <i>Cancers</i> , 2022, 14, 784.	1.7	3
4844	Eisenia bicyclis Extract Repairs UVB-Induced Skin Photoaging In Vitro and In Vivo: Photoprotective Effects. <i>Marine Drugs</i> , 2021, 19, 693.	2.2	22
4845	Genetics of anti-M $\beta$ 1/4llergic hormone and its signaling pathway. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2022, 36, 101634.	2.2	14
4846	MicroRNAs and Corresponding Targets in Esophageal Cancer as Shown<i>In Vitro</i>and<i>In Vivo</i>in Preclinical Models. <i>Cancer Genomics and Proteomics</i> , 2022, 19, 113-129.	1.0	1
4847	Expanding the mutation and phenotype spectrum of MYH3-associated skeletal disorders. <i>Npj Genomic Medicine</i> , 2022, 7, 11.	1.7	7
4848	miR-98-5p as a novel biomarker suppress liver fibrosis by targeting TGF $\beta$ 2 receptor 1. <i>Hepatology International</i> , 2022, 16, 614-626.	1.9	9
4849	Mutational spectrum of syndromic genes in sporadic brain arteriovenous malformation. <i>Chinese Neurosurgical Journal</i> , 2022, 8, 4.	0.3	1
4850	Thyroid Dysfunction: In Connection with PCOS. , 0, , .		0
4851	Pro- and Anti-Inflammatory Cytokines in the Context of NK Cell $\leftrightarrow$ Trophoblast Interactions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2387.	1.8	8
4852	Overexpressed integrin alpha 2 inhibits the activation of the transforming growth factor $\beta$ 2 pathway in pancreatic cancer via the TFCP2-SMAD2 axis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 73.	3.5	7
4853	Nanoplatfoms for Promoting Osteogenesis in Ovariectomy-Induced Osteoporosis in the Experimental Model. <i>Current Nanomedicine</i> , 2022, 12, .	0.2	0
4854	Endoglin Wild Type and Variants Associated With Hereditary Hemorrhagic Telangiectasia Type 1 Undergo Distinct Cellular Degradation Pathways. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 828199.	1.6	4
4855	Programmed Exercise Attenuates Familial Hypertrophic Cardiomyopathy in Transgenic E22K Mice via Inhibition of PKC- $\beta$ /NFAT Pathway. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 808163.	1.1	4
4856	Deficiency in Retinal TGF $\beta$ 2 Signaling Aggravates Neurodegeneration by Modulating Pro-Apoptotic and MAP Kinase Pathways. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2626.	1.8	8
4857	Competition between type I activin and BMP receptors for binding to ACVR2A regulates signaling to distinct Smad pathways. <i>BMC Biology</i> , 2022, 20, 50.	1.7	10

#	ARTICLE	IF	CITATIONS
4858	A Novel Gene CDC27 Causes SLE and Is Associated With the Disease Activity. <i>Frontiers in Immunology</i> , 2022, 13, 876963.	2.2	5
4859	Chaperone-mediated Autophagy Regulates Cell Growth by Targeting SMAD3 in Glioma. <i>Neuroscience Bulletin</i> , 2022, 38, 637-651.	1.5	2
4860	AMTB, a TRPM8 antagonist, suppresses growth and metastasis of osteosarcoma through repressing the TGF $\beta$ 2 signaling pathway. <i>Cell Death and Disease</i> , 2022, 13, 288.	2.7	9
4861	Upregulation of cadherin $\beta$ 1 contributes to cholestatic liver fibrosis. <i>Pediatric Investigation</i> , 2022, 6, 100-110.	0.6	1
4863	Long non-coding RNA SNHG5 promotes the osteogenic differentiation of bone marrow mesenchymal stem cells via the miR-212-3p/GDF5/SMAD pathway. <i>Stem Cell Research and Therapy</i> , 2022, 13, 130.	2.4	9
4864	INHBA is a mediator of aggressive tumor behavior in HER2+ $\beta$ basal breast cancer. <i>Breast Cancer Research</i> , 2022, 24, 18.	2.2	4
4865	Intraperitoneal injection of 17 $\beta$ -estradiol increases ovarian <i>smad2/3</i> expression in Yangtze sturgeon <i>Acipenser dabryanus</i> . <i>Aquaculture Research</i> , 2022, 53, 3059-3068.	0.9	0
4866	Efficient TGF- $\beta$ 1 Delivery to Articular Chondrocytes In Vitro Using Agro-Based Liposomes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2864.	1.8	9
4867	Exosomal miR-143-3p derived from follicular fluid promotes $\Delta$ granulosa cell apoptosis by targeting BMPR1A in polycystic ovary syndrome. <i>Scientific Reports</i> , 2022, 12, 4359.	1.6	20
4869	LncSNHG1 Promoted CRC Proliferation through the miR-181b-5p/SMAD2 Axis. <i>Journal of Oncology</i> , 2022, 2022, 1-12.	0.6	0
4870	BMPR1B polymorphisms (rs1434536 and rs1970801) are associated with breast cancer susceptibility in Northwest Chinese Han females: a case-control Study. <i>Clinical Breast Cancer</i> , 2022, , .	1.1	2
4871	Developmental transcriptomics throughout the embryonic developmental process of <i>Rhipicephalus turanicus</i> reveals stage-specific gene expression profiles. <i>Parasites and Vectors</i> , 2022, 15, 89.	1.0	0
4872	Immunomodulation of Telmisartan-Loaded PCL/PVP Scaffolds on Macrophages Promotes Endogenous Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15942-15955.	4.0	10
4873	Molecular Mechanism Based on Histopathology, Antioxidant System and Transcriptomic Profiles in Heat Stress Response in the Gills of Japanese Flounder. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3286.	1.8	9
4875	3D-Printed Porous Scaffolds of Hydrogels Modified with TGF- $\beta$ 1 Binding Peptides to Promote <i>In Vivo</i> Cartilage Regeneration and Animal Gait Restoration. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15982-15995.	4.0	35
4876	Postnatal Smad3 Inactivation in Murine Smooth Muscle Cells Elicits a Temporally and Regionally Distinct Transcriptional Response. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 826495.	1.1	7
4877	Identification of Transcription Factors Responsible for a Transforming Growth Factor- $\beta$ 2-Driven Hypertrophy-like Phenotype in Human Osteoarthritic Chondrocytes. <i>Cells</i> , 2022, 11, 1232.	1.8	9
4878	Defining Reference Ranges for Serum Anti-M $\beta$ LLerian Hormone on a Large Cohort of Normozoospermic Adult Men Highlights New Potential Physiological Functions of AMH on FSH Secretion and Sperm Motility. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1878-1887.	1.8	7



#	ARTICLE	IF	CITATIONS
4879	Vascular Calcification: New Insights Into BMP Type I Receptor A. <i>Frontiers in Pharmacology</i> , 2022, 13, 887253.	1.6	7
4880	Targeting transforming growth factor- $\beta$ signalling for cancer prevention and intervention: Recent advances in developing small molecules of natural origin. <i>Clinical and Translational Medicine</i> , 2022, 12, e795.	1.7	16
4881	Aurora kinase A inhibition induces synthetic lethality in SMAD4-deficient colorectal cancer cells via spindle assembly checkpoint activation. <i>Oncogene</i> , 2022, 41, 2734-2748.	2.6	6
4882	Tackling the effects of extracellular vesicles in fibrosis. <i>European Journal of Cell Biology</i> , 2022, 101, 151221.	1.6	5
4883	Bioactive glass selectively promotes cytotoxicity towards giant cell tumor of bone derived neoplastic stromal cells and induces MAPK signalling dependent autophagy. <i>Bioactive Materials</i> , 2022, 15, 456-468.	8.6	6
4884	Endothelial-Mesenchymal Transition or Functional Tissue Regeneration – Two Outcomes of Heart Remodeling. <i>Physiological Research</i> , 2021, 70, S13-S20.	0.4	3
4885	Expression of the anti-Müllerian hormone receptor (AMHR2) in the endometrium of patients with uterine anomalies. <i>Journal of Obstetrics and Women's Diseases</i> , 2021, 70, 33-40.	0.0	0
4886	The Emerging Role of MicroRNAs in Bone Diseases and Their Therapeutic Potential. <i>Molecules</i> , 2022, 27, 211.	1.7	26
4887	Differential lncRNA/mRNA Expression Profiling and Functional Network Analyses in Bmp2 Deletion of Mouse Dental Papilla Cells. <i>Frontiers in Genetics</i> , 2021, 12, 702540.	1.1	4
4888	Activation of PPAR $\alpha$ by Fenofibrate Attenuates the Effect of Local Heart High Dose Irradiation on the Mouse Cardiac Proteome. <i>Biomedicines</i> , 2021, 9, 1845.	1.4	5
4889	Vimentin and cytokeratin: Good alone, bad together. <i>Seminars in Cancer Biology</i> , 2022, 86, 816-826.	4.3	38
4890	Klotho overexpression protects against renal aging along with suppression of transforming growth factor- $\beta$ 1 signaling pathways. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F799-F811.	1.3	8
4891	Active nanomotors surpass passive nanomedicines: current progress and challenges. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7099-7107.	2.9	5
4892	Translational Strategies to Target Metastatic Bone Disease. <i>Cells</i> , 2022, 11, 1309.	1.8	4
4893	Cancer stem-like cells evade CD8 <sup>+</sup> CD103 <sup>+</sup> tumor-resident memory T (T <sub>RM</sub> ) lymphocytes by initiating an epithelial-to-mesenchymal transition program in a human lung tumor model. , 2022, 10, e004527.		12
4894	Impact of klotho on the expression of SRGAP2a in podocytes in diabetic nephropathy. <i>BMC Nephrology</i> , 2022, 23, 151.	0.8	3
4895	Genome-Wide Association Study of Fluorescent Oxidation Products Accounting for Tobacco Smoking Status in Adults from the French EGEA Study. <i>Antioxidants</i> , 2022, 11, 802.	2.2	3
4896	Ligand-receptor promiscuity enables cellular addressing. <i>Cell Systems</i> , 2022, 13, 408-425.e12.	2.9	34

#	ARTICLE	IF	CITATIONS
4939	Absolute Quantification of TGF- $\beta$ 2 Signaling Proteins Using Quantitative Western Blot. <i>Methods in Molecular Biology</i> , 2022, 2488, 1-12.	0.4	1
4940	Complex Formation Among TGF- $\beta$ 2 Receptors in Live Cell Membranes Measured by Patch-FRAP. <i>Methods in Molecular Biology</i> , 2022, 2488, 23-34.	0.4	2
4941	Signaling cascades in the failing heart and emerging therapeutic strategies. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 134.	7.1	18
4945	Smad3 phosphoisoform-mediated signaling during sporadic human colorectal carcinogenesis. <i>Histology and Histopathology</i> , 2006, 21, 645-62.	0.5	41
4950	Versatile polyphenolic platforms in regulating cell biology. <i>Chemical Society Reviews</i> , 2022, 51, 4175-4198.	18.7	76
4951	Intervertebral disc degeneration is rescued by TGF- $\beta$ 2/BMP signaling modulation in an ex vivo filamin B mouse model. <i>Bone Research</i> , 2022, 10, 37.	5.4	4
4952	Molecular mediators involved in skin healing: a narrative review. <i>F1000Research</i> , 0, 11, 465.	0.8	2
4953	Integrated regulation of chondrogenic differentiation in mesenchymal stem cells and differentiation of cancer cells. <i>Cancer Cell International</i> , 2022, 22, 169.	1.8	5
4954	The role of long non-coding RNA FGD5-AS1 in cancer. <i>Bioengineered</i> , 2022, 13, 11026-11041.	1.4	7
4955	Genetic Regulation of Vertebrate Forebrain Development by Homeobox Genes. <i>Frontiers in Neuroscience</i> , 2022, 16, 843794.	1.4	14
4956	Fibrosis of Peritoneal Membrane as Target of New Therapies in Peritoneal Dialysis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4831.	1.8	18
4957	The Role Of BMPs in the Regulation of Osteoclasts Resorption and Bone Remodeling: From Experimental Models to Clinical Applications. <i>Frontiers in Immunology</i> , 2022, 13, 869422.	2.2	19
4958	Elevated TGF- $\beta$ 2 signaling contributes to ocular anterior segment dysgenesis in Col4a1 mutant mice. <i>Matrix Biology</i> , 2022, 110, 151-173.	1.5	5
4959	Zebrafish: A New Promise to Study the Impact of Metabolic Disorders on the Brain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5372.	1.8	9
4960	FAM96A suppresses epithelial-to-mesenchymal transition and tumor metastasis by inhibiting TGF- $\beta$ 21 signals. <i>Life Sciences</i> , 2022, 301, 120607.	2.0	1
4961	Label-free LC-MS/MS proteomics analyses reveal proteomic changes in oxidative stress and the SOD antioxidant strategy in TM cells. <i>Clinical Proteomics</i> , 2022, 19, 12.	1.1	4
4962	The roles of TGF- $\beta$ 2 and VEGF pathways in the suppression of antitumor immunity in melanoma and other solid tumors. , 2022, 240, 108211.		21
4963	Skin photoageing: mechanisms of development and particular features of clinical manifestations. <i>Vestnik Dermatologii i Venerologii</i> , 2014, 90, 53-59.	0.2	3

#	ARTICLE	IF	CITATIONS
4964	Prohaptoglobin inhibits the transforming growth factor- $\hat{1}^2$ -induced epithelial-to-mesenchymal transition in vitro by increasing Smad1/5 activation and suppressing the Smad2/3 signaling pathway in SK-Hep1 liver cancer cells. PLoS ONE, 2022, 17, e0266409.	1.1	2
4965	Lens Fibrosis: Understanding the Dynamics of Cell Adhesion Signaling in Lens Epithelial-Mesenchymal Transition. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	8
4966	TMEM158 Regulates the Canonical and Non-Canonical Pathways of TGF- $\hat{1}^2$ to Mediate EMT in Triple-Negative Breast Cancer. Journal of Cancer, 2022, 13, 2694-2704.	1.2	6
4967	The Effect of Aerobic Exercise Training and Eugenol Supplementation on the Wnt, TGF- $\hat{1}^2$ , and Beta-Catenin gene Expression in Myocardial Tissue of Poisoned Rats Induced by Chlorpyrifos. Thrita, 2022, In Press, .	0.4	0
4968	Epithelial- $\hat{1}^2$ mesenchymal transition: The history, regulatory mechanism, and cancer therapeutic opportunities. MedComm, 2022, 3, .	3.1	43
4969	Evaluation of TILI-2 as an Anti-Tyrosinase, Anti-Oxidative Agent and Its Role in Preventing Melanogenesis Using a Proteomics Approach. Molecules, 2022, 27, 3228.	1.7	1
4970	Regeneration of insulin-producing cells from iPS cells using functionalized scaffolds and solid lipid nanoparticles. Journal of the Taiwan Institute of Chemical Engineers, 2022, 135, 104387.	2.7	2
4971	The orphan GPR50 receptor interacting with $\hat{1}^2$ RI induces G1/S-phase cell cycle arrest via Smad3-p27/p21 in BRL-3A cells. Biochemical Pharmacology, 2022, 202, 115117.	2.0	2
4972	Anti- $\hat{1}^2$ Allerian Hormone Signal Transduction involved in $\hat{1}^2$ Allerian Duct Regression. Frontiers in Endocrinology, 2022, 13, .	1.5	5
4976	Role of Hypothalamic Transforming Growth Factor- $\hat{1}^2$ (TGF- $\hat{1}^2$ )/Smad Signaling in Feeding Regulation in Chickens. Journal of Poultry Science, 2022, , .	0.7	0
4977	GPC1 promotes the growth and migration of colorectal cancer cells through regulating the TGF- $\hat{1}^2$ /SMAD2 signaling pathway. PLoS ONE, 2022, 17, e0269094.	1.1	8
4978	Single-Cell RNA-Sequencing Reveals the Cellular and Genetic Heterogeneity of Skin Scar to Verify the Therapeutic Effects and Mechanism of Action of Dispel-Scar Ointment in Hypertrophic Scar Inhibition. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-27.	0.5	1
4979	Effects of Triiodothyronine on Human Osteoblast-Like Cells: Novel Insights From a Global Transcriptome Analysis. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
4980	Future scope and challenges for congestive heart failure: Moving towards development of pharmacotherapy. Canadian Journal of Physiology and Pharmacology, 0, , .	0.7	2
4981	BMP3b Is a Novel Antifibrotic Molecule Regulated by Meflin in Lung Fibroblasts. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, 446-458.	1.4	3
4982	Hypoxia induced ALKBH5 prevents spontaneous abortion by mediating m6A-demethylation of SMAD1/5 mRNAs. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119316.	1.9	12
4983	Screening and Identification of a Novel Anti- $\hat{1}^2$ Siglec-15 Human Antibody 3F1 and Relevant Antitumor Activity. Molecular Pharmacology, 2022, 102, 161-171.	1.0	1
4984	Translational landscape of glioblastoma immunotherapy for physicians: guiding clinical practice with basic scientific evidence. Journal of Hematology and Oncology, 2022, 15, .	6.9	23

#	ARTICLE	IF	CITATIONS
4985	QiShenYiQi Pill Ameliorates Cardiac Fibrosis After Pressure Overload-Induced Cardiac Hypertrophy by Regulating FHL2 and the Macrophage RP S19/TGF- $\beta$ 1 Signaling Pathway. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
4986	Transforming growth factor $\beta$ 1-enriched secretome up-regulate osteogenic differentiation of dental pulp stem cells, and a potential therapeutic for gingival wound healing: A comparative proteomics study. <i>Journal of Dentistry</i> , 2022, 124, 104224.	1.7	1
4987	miR-181b targets semaphorin 3A to mediate TGF- $\beta$ 2-induced endothelial-mesenchymal transition related to atrial fibrillation. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	20
4988	BMP Signaling Pathway in Dentin Development and Diseases. <i>Cells</i> , 2022, 11, 2216.	1.8	20
4989	Application of Small Molecules in the Central Nervous System Direct Neuronal Reprogramming. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	5
4990	A Process for the Design and Development of Novel Bone Morphogenetic Protein-7 (BMP-7) Mimetics With an Example: THR-184. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
4991	Long noncoding RNA Smyca coactivates TGF- $\beta$ 2/Smad and Myc pathways to drive tumor progression. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	6.9	9
4992	Differential effects of Smad2 and Smad3 in regulation of macrophage phenotype and function in the infarcted myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 171, 1-15.	0.9	7
4993	Gene expression changes induced by green tea polyphenol ( $\alpha$ )-epigallocatechin-3-gallate in human bronchial epithelial 21BES cells analyzed by DNA microarray. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 1091-1099.	1.9	70
4994	Molecular Characterization of TGF-Beta Gene Family in Buffalo to Identify Gene Duplication and Functional Mutations. <i>Genes</i> , 2022, 13, 1302.	1.0	7
4995	EPDR1 is a noncanonical effector of insulin-mediated angiogenesis regulated by an endothelial-specific TGF- $\beta$ 2 receptor complex. <i>Journal of Biological Chemistry</i> , 2022, 298, 102297.	1.6	4
4996	Presence of Concurrent TP53 Mutations Is Necessary to Predict Poor Outcomes within the SMAD4 Mutated Subgroup of Metastatic Colorectal Cancer. <i>Cancers</i> , 2022, 14, 3644.	1.7	2
4997	Fabrication and Characterization of Layer-By-Layer Janus Base Nano-Matrix to Promote Cartilage Regeneration. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	4
4998	SMAD4, activated by the TCR-triggered MEK/ERK signaling pathway, critically regulates CD8 <sup>+</sup> T cell cytotoxic function. <i>Science Advances</i> , 2022, 8, .	4.7	4
4999	Mesenchymal Stem Cell-Derived Extracellular Vesicles for Bone Defect Repair. <i>Membranes</i> , 2022, 12, 716.	1.4	12
5001	Acceleration of Smad2 and Smad3 Phosphorylation via c-Jun NH2-Terminal Kinase during Human Colorectal Carcinogenesis. <i>Cancer Research</i> , 2005, 65, 157-165.	0.4	77
5003	Endothelial Bone Morphogenetic Protein Signaling in Pulmonary Arterial Hypertension. , 2022, , .		0
5004	Key signalling pathways underlying the aetiology of polycystic ovary syndrome. <i>Journal of Endocrinology</i> , 2022, , .	1.2	3

#	ARTICLE	IF	CITATIONS
5005	BCHE as a Prognostic Biomarker in Endometrial Cancer and Its Correlation with Immunity. <i>Journal of Immunology Research</i> , 2022, 2022, 1-20.	0.9	4
5006	Research Progress of Myocardial Fibrosis and Atrial Fibrillation. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	4
5007	Low-Dose-Rate Radiation-Induced Secretion of TGF- $\beta$ 3 Together with an Activator in Small Extracellular Vesicles Modifies Low-Dose Hyper-Radiosensitivity through ALK1 Binding. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8147.	1.8	3
5008	TGF- $\beta$ 2 Superfamily Signaling in the Eye: Implications for Ocular Pathologies. <i>Cells</i> , 2022, 11, 2336.	1.8	21
5009	Deltex modulates Dpp morphogen gradient formation and affects Dpp signaling in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2022, 135, .	1.2	3
5010	TGFBR3 supports anoikis through suppressing ATF4 signaling. <i>Journal of Cell Science</i> , 0, , .	1.2	0
5012	Inhibition of Epithelial-Mesenchymal Transition Maintains Stemness in Human Amniotic Epithelial Cells. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 3083-3091.	1.7	4
5013	Multi-omics therapeutic perspective on ACVR1 gene: from genetic alterations to potential targeting. <i>Briefings in Functional Genomics</i> , 2023, 22, 123-142.	1.3	0
5014	A Molecular Approach Of The Caloric Restriction And Vitamins For Cancer Prevention. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, .	0.9	0
5015	TGF- $\beta$ 2 regulates the stem-like state of PD-1+ TCF-1+ virus-specific CD8 T cells during chronic infection. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	28
5016	Notch4 affects the proliferation and differentiation of deer antler chondrocytes through the Smad3/lncRNA27785.1 axis. <i>Cellular Signalling</i> , 2022, 98, 110429.	1.7	3
5017	Pathogenesis of periodontitis – A potential role for epithelial-mesenchymal transition. <i>Japanese Dental Science Review</i> , 2022, 58, 268-278.	2.0	15
5018	Anemia with elevation of growth differentiation factor-15 level in linezolid treated multidrug-resistant tuberculosis: Case series of three patients. <i>IDCases</i> , 2022, 29, e01591.	0.4	2
5019	Expression of miR-106a-5p, miR-106b-5p and TGF $\beta$ 1i1 in Peripheral Blood Mononuclear Cells (PBMCs) of Chemical Veterans Exposed to Sulfur Mustard with Long-Term Pulmonary Complications. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
5020	RNA <i>N<sup>6</sup>-methyladenosine</i> reader YTHDC1 is essential for TGF-beta-mediated metastasis of triple negative breast cancer. <i>Theranostics</i> , 2022, 12, 5727-5743.	4.6	15
5021	TGF- $\beta$ 2 Family Signaling. , 2022, , .		0
5022	TGF- $\beta$ 1/Smad Signalling in Proliferative Glomerulonephritis Associated with Autoimmune Diseases. <i>Mediterranean Journal of Rheumatology</i> , 2022, 33, 176.	0.3	1
5023	High Water Temperature Induces Jaw Deformity and Bone Morphogenetic Protein (BMP) Gene Expression in Golden Pompano <i>Trachinotus ovatus</i> Larvae. , 2022, , 123-133.		0

#	ARTICLE	IF	CITATIONS
5024	BMP2 as a promising anticancer approach: functions and molecular mechanisms. <i>Investigational New Drugs</i> , 2022, 40, 1322-1332.	1.2	8
5025	The lipid rafts in cancer stem cell: a target to eradicate cancer. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	14
5027	Photobiomodulation at 830 nm Stimulates Migration, Survival and Proliferation of Fibroblast Cells. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 0, Volume 15, 2885-2900.	1.1	6
5028	Advanced 3D dynamic culture system with transforming growth factor- $\beta$ 3 enhances production of potent extracellular vesicles with modified protein cargoes via upregulation of TGF- $\beta$ 2 signaling. <i>Journal of Advanced Research</i> , 2023, 47, 57-74.	4.4	5
5030	Modeling human extraembryonic mesoderm cells using naive pluripotent stem cells. <i>Cell Stem Cell</i> , 2022, 29, 1346-1365.e10.	5.2	35
5031	Comparative transcriptomic analysis revealed dynamic changes of distinct classes of genes during development of the Manila clam ( <i>Ruditapes Aphilipinarum</i> ). <i>BMC Genomics</i> , 2022, 23, .	1.2	3
5033	Regulation of Nodal signaling propagation by receptor interactions and positive feedback. <i>ELife</i> , 0, 11, .	2.8	5
5034	CDCA7 promotes TGF- $\beta$ -induced epithelial- $\rightarrow$ mesenchymal transition via transcriptionally regulating Smad4/Smad7 in ESCC. <i>Cancer Science</i> , 2023, 114, 91-104.	1.7	6
5036	Drug-resistant HER2-positive breast cancer: Molecular mechanisms and overcoming strategies. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	15
5037	Homology modeling of Forkhead box protein C2: identification of potential inhibitors using ligand and structure-based virtual screening. <i>Molecular Diversity</i> , 0, , .	2.1	1
5038	Molecular mechanisms of histone deacetylases and inhibitors in renal fibrosis progression. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	9
5039	The TFEB-TGIF1 axis regulates EMT in mouse epicardial cells. <i>Nature Communications</i> , 2022, 13, .	5.8	3
5040	Large-Scale Proteomics Data Reveal Integrated Prognosis-Related Protein Signatures and Role of SMAD4 and RAD50 in Prognosis and Immune Infiltrations of Prostate Cancer Microenvironment. <i>Phenomics</i> , 2022, 2, 404-418.	0.9	14
5041	Melatonin Prevents Chondrocyte Matrix Degradation in Rats with Experimentally Induced Osteoarthritis by Inhibiting Nuclear Factor- $\kappa$ B via SIRT1. <i>Nutrients</i> , 2022, 14, 3966.	1.7	11
5043	SMAD3 contributes to ascending aortic dilatation independent of transforming growth factor-beta in bicuspid and unicuspid aortic valve disease. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
5044	Pharmacological Inhibition of S100A4 Attenuates Fibroblast Activation and Renal Fibrosis. <i>Cells</i> , 2022, 11, 2762.	1.8	9
5045	Endothelial cell cycle state determines propensity for arterial-venous fate. <i>Nature Communications</i> , 2022, 13, .	5.8	22
5046	2,3,5,4-tetrahydroxystilbene-2-O- $\beta$ -D-glucoside ameliorates bleomycin-induced pulmonary fibrosis via regulating pro-fibrotic signaling pathways. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	0

#	ARTICLE	IF	CITATIONS
5047	A systems biology investigation of curcumin potency against TGF- $\beta$ -induced EMT signaling in lung cancer. <i>3 Biotech</i> , 2022, 12, .	1.1	2
5048	Monitoring tumour resistance to the BRAF inhibitor combination regimen in colorectal cancer patients via circulating tumour DNA. <i>Drug Resistance Updates</i> , 2022, 65, 100883.	6.5	10
5049	Salidroside in the Treatment of NAFLD/NASH. <i>Chemistry and Biodiversity</i> , 2022, 19, .	1.0	6
5050	Quantitative analysis of transcriptome dynamics provides novel insights into developmental state transitions. <i>BMC Genomics</i> , 2022, 23, .	1.2	4
5051	Cyclin-dependent kinase subunit2 (CKS2) promotes malignant phenotypes and epithelial-mesenchymal transition-like process in glioma by activating TGF $\beta$ /SMAD signaling. <i>Cancer Medicine</i> , 2023, 12, 5889-5907.	1.3	6
5052	Identification of an ALK $\beta$ Inhibitor as an Agonist for Intercellular Exchange and Tumor Delivery of Nanomaterial. <i>Advanced Therapeutics</i> , 0, , 2200173.	1.6	0
5053	Endophilin $\alpha$ 2 protects against renal fibrosis by targeting TGF $\beta$ /Smad signaling. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
5054	Structure-Guide Design and Optimization of Potential Druglikeness Inhibitors for TGF $\beta$ RI with the Pyrrolopyrimidine Scaffold. <i>Pharmaceuticals</i> , 2022, 15, 1264.	1.7	0
5055	Resistant ovary syndrome: Pathogenesis and management strategies. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	2
5056	Deletion of <i>Smad7</i> Ameliorates Intestinal Inflammation and Contributes to Fibrosis. <i>Inflammatory Bowel Diseases</i> , 2023, 29, 647-660.	0.9	5
5057	Unraveling the Emerging Niche Role of Hepatic Stellate Cell-derived Exosomes in Liver Diseases. <i>Journal of Clinical and Translational Hepatology</i> , 2022, 000, 000-000.	0.7	1
5059	Irisin reduces bone fracture by facilitating osteogenesis and antagonizing TGF- $\beta$ /Smad signaling in a growing mouse model of osteogenesis imperfecta. <i>Journal of Orthopaedic Translation</i> , 2023, 38, 175-189.	1.9	4
5060	A multifunctional neuromodulation platform utilizing Schwann cell-derived exosomes orchestrates bone microenvironment via immunomodulation, angiogenesis and osteogenesis. <i>Bioactive Materials</i> , 2023, 23, 206-222.	8.6	17
5061	TGF- $\beta$ signaling in COPD: deciphering genetic and cellular susceptibilities for future therapeutic regimen. <i>Swiss Medical Weekly</i> , 0, , .	0.8	26
5062	A newborn male with Myhre syndrome, hearing loss, and complete syndactyly of fingers 3&4. <i>Molecular Genetics &amp; Genomic Medicine</i> , 0, , .	0.6	1
5063	Transmembrane anterior posterior transformation 1 regulates BMP signaling and modulates the protein stability of SMAD1/5. <i>Journal of Biological Chemistry</i> , 2022, 298, 102684.	1.6	2
5064	Influence of Long Non-Coding RNA in the Regulation of Cancer Stem Cell Signaling Pathways. <i>Cells</i> , 2022, 11, 3492.	1.8	6
5065	MK-2206 Alleviates Renal Fibrosis by Suppressing the Akt/mTOR Signaling Pathway In Vivo and In Vitro. <i>Cells</i> , 2022, 11, 3505.	1.8	3

#	ARTICLE	IF	CITATIONS
5066	Integrative analyses of maternal plasma cell-free DNA nucleosome footprint differences reveal chromosomal aneuploidy fetuses gene expression profile. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	0
5071	The oncogenic JAG1 intracellular domain is a transcriptional cofactor that acts in concert with DDX17/SMAD3/TGIF2. <i>Cell Reports</i> , 2022, 41, 111626.	2.9	6
5073	The Role of Bone Morphogenetic Protein Receptor Type 2 (BMPR2) and the Prospects of Utilizing Induced Pluripotent Stem Cells (iPSCs) in Pulmonary Arterial Hypertension Disease Modeling. <i>Cells</i> , 2022, 11, 3823.	1.8	4
5074	TGF- $\beta$ 2 Inhibitors for Therapeutic Management of Kidney Fibrosis. <i>Pharmaceuticals</i> , 2022, 15, 1485.	1.7	11
5075	Comparative proteomics analysis of transforming growth factor-beta1-overexpressed human dental pulp stem cell-derived secretome on CD44-mediated fibroblast activation via canonical smad signal pathway. <i>Connective Tissue Research</i> , 0, , 1-14.	1.1	0
5076	Smad2 <sup>fl</sup> exon3 and Smad3 have distinct properties in signal transmission leading to TGF- $\beta$ 2-induced cell motility. <i>Journal of Biological Chemistry</i> , 2023, 299, 102820.	1.6	2
5077	Cancer-Associated Fibroblast Diversity Shapes Tumor Metabolism in Pancreatic Cancer. <i>Cancers</i> , 2023, 15, 61.	1.7	6
5079	Mitochondrial dysfunction induces ALK5-SMAD2-mediated hypovascularization and arteriovenous malformations in mouse retinas. <i>Nature Communications</i> , 2022, 13, .	5.8	1
5080	Emerging toolset of three-dimensional pulmonary cell culture models for simulating lung pathophysiology towards mechanistic elucidation and therapeutic treatment of SARS-COV-2 infection. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	1
5081	Targeting of bone morphogenetic protein complexes to heparin/heparan sulfate glycosaminoglycans in bioactive conformation. <i>FASEB Journal</i> , 2023, 37, .	0.2	5
5082	<sc>ST3GAL5</sc> catalyzed gangliosides inhibit <sc>TGF</sc>- $\beta$ 2-induced epithelial-to-mesenchymal transition via <sc>TI2RI</sc> degradation. <i>EMBO Journal</i> , 2023, 42, .	3.5	8
5083	Transforming Growth Factor- $\beta$ 1 Regulates Peroxisomal Genes/Proteins via Smad Signaling in Idiopathic Pulmonary Fibrosis Fibroblasts and Transgenic Mouse Models. <i>American Journal of Pathology</i> , 2023, 193, 259-274.	1.9	2
5084	Leech-Centipede Granules Suppress EndMT to Improve Erectile Dysfunction in Rats with Diabetes Mellitus via TGF- $\beta$ 2/Smad Pathway. <i>Chinese Journal of Integrative Medicine</i> , 2023, 29, 28-36.	0.7	1
5086	The p53 Family Members p63 and p73 Roles in the Metastatic Dissemination: Interactions with microRNAs and TGF $\beta$ 2 Pathway. <i>Cancers</i> , 2022, 14, 5948.	1.7	6
5087	SMAD9-MYCN positive feedback loop represents a unique dependency for MYCN-amplified neuroblastoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	3.5	1
5088	Local regulation of antral follicle development and ovulation in monovulatory species. <i>Animal Reproduction</i> , 2022, 19, .	0.4	1
5089	Molecular Mechanisms in Genetic Aortopathy—Signaling Pathways and Potential Interventions. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1795.	1.8	6
5090	Inhibition of CEMIP potentiates the effect of sorafenib on metastatic hepatocellular carcinoma by reducing the stiffness of lung metastases. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	6



#	ARTICLE	IF	CITATIONS
5091	LIM and Cysteine-Rich Domains 1 Promotes Transforming Growth Factor $\beta$ 1-Induced Epithelial-Mesenchymal Transition in Human Kidney 2 Cells. <i>Laboratory Investigation</i> , 2023, 103, 100016.	1.7	2
5092	Opposing USP19 splice variants in TGF- $\beta$ 2 signaling and TGF- $\beta$ 2-induced epithelial-mesenchymal transition of breast cancer cells. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .	2.4	5
5093	The Integrator complex desensitizes cellular response to TGF- $\beta$ 2/BMP signaling. <i>Cell Reports</i> , 2023, 42, 112007.	2.9	2
5095	CTLs Get SMAD When Pathogens Tell Them Where to Go. <i>Journal of Immunology</i> , 2022, 209, 1025-1032.	0.4	1
5096	Role of mechano-sensitive non-coding RNAs in bone remodeling of orthodontic tooth movement: recent advances. <i>Progress in Orthodontics</i> , 2022, 23, .	1.3	4
5097	12-O-tetradecanoylphorbol-13-acetate Reduces Activation of Hepatic Stellate Cells by Inhibiting the Hippo Pathway Transcriptional Coactivator YAP. <i>Cells</i> , 2023, 12, 91.	1.8	2
5098	TAZ promotes osteogenic differentiation of mesenchymal stem cells line C3H10T1/2, murine multi-lineage cells lines C2C12, and MEFs induced by BMP9. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	1
5099	Xanthohumol Interferes with the Activation of TGF- $\beta$ 2 Signaling in the Process Leading to Intestinal Fibrosis. <i>Nutrients</i> , 2023, 15, 99.	1.7	2
5100	The linker of nucleoskeleton and cytoskeleton complex is required for X-ray-induced epithelial-mesenchymal transition. <i>Journal of Radiation Research</i> , 2023, 64, 358-368.	0.8	1
5101	Complex roles of TGF- $\beta$ 2 signaling pathways in lung development and bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2023, 324, L285-L296.	1.3	8
5102	Epithelial-mesenchymal transition and resistance to EGFR inhibitors. , 2023, , 105-124.		0
5103	Regulators involved in trophoblast syncytialization in the placenta of intrauterine growth restriction. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	5
5104	The Expression of TGF- $\beta$ 21, SMAD3, ILK and miRNA-21 in the Ectopic and Eutopic Endometrium of Women with Endometriosis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2453.	1.8	5
5105	The effect of SMAD4 on the prognosis and immune response in hypopharyngeal carcinoma. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	0
5106	Exosomal miR-21a-5p derived from multiple myeloma cells promote renal epithelial-mesenchymal transition through targeting TGF- $\beta$ 2/SMAD7 signalling pathway. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2023, 50, 711-718.	0.9	1
5107	Synthesis and biological evaluation of N-(3-fluorobenzyl)-4-(1-(methyl-d3)-1H-indazol-5-yl)-5-(6-methylpyridin-2-yl)-1H-imidazol-2-amine as a novel, potent ALK5 receptor inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2023, 85, 129205.	1.0	0
5108	TGF- $\beta$ 2 signaling pathway: Therapeutic targeting and potential for anti-cancer immunity. <i>European Journal of Pharmacology</i> , 2023, 947, 175678.	1.7	12
5109	HNF4A Negatively Regulated Posterior Capsular Opacification via Transcriptional Inhibition of MMP2. <i>Current Eye Research</i> , 2023, 48, 627-638.	0.7	2

#	ARTICLE	IF	CITATIONS
5110	Characterization of circSCL38A1 as a novel oncogene in bladder cancer via targeting ILF3/TGF- $\beta$ 2 signaling axis. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	12
5111	Genome-wide identification, evolution and expression analysis of bone morphogenetic protein (BMP) gene family in chinese soft-shell turtle ( <i>Pelodiscus sinensis</i> ). <i>Frontiers in Genetics</i> , 0, 14, .	1.1	4
5112	Ly-6A-Induced Growth Inhibition and Cell Death in a Transformed CD4+ T Cell Line: Role of Tumor Necrosis Factor- $\alpha$ . <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2023, 71, .	1.0	0
5113	Aerobic Exercise Ameliorates Myocardial Fibrosis via Affecting Vitamin D Receptor and Transforming Growth Factor- $\beta$ 1 Signaling in Vitamin D-Deficient Mice. <i>Nutrients</i> , 2023, 15, 741.	1.7	6
5114	Expression of Long Noncoding RNA, HOTAIR, and MicroRNA-205 and Their Relation to Transforming Growth Factor $\beta$ 1 in Patients with Alopecia Areata. <i>Skin Appendage Disorders</i> , 2023, 9, 111-120.	0.5	0
5115	Contribution of the TGF $\beta$ 2 signaling pathway to pigmentation in sea cucumber ( <i>Apostichopus japonicus</i> ). <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	1
5116	Targeting serotonin receptor 2B inhibits TGF $\beta$ 2 induced differentiation of human vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , 2023, 944, 175570.	1.7	0
5117	TGF- $\beta$ 2 receptor I inhibitor may restrict the induction of EMT in inflamed intestinal epithelial cells. <i>Experimental Biology and Medicine</i> , 2023, 248, 665-676.	1.1	3
5118	Bases moleculares del c $\alpha$ ncer colorrectal. <i>Iatreia</i> , 2012, 25, 137-148.	0.1	2
5119	Intermedin 1-53 Ameliorates Atrial Fibrosis and Reduces Inducibility of Atrial Fibrillation via TGF- $\beta$ 1/pSmad3 and Nox4 Pathway in a Rat Model of Heart Failure. <i>Journal of Clinical Medicine</i> , 2023, 12, 1537.	1.0	3
5120	Memory Precursors and Short-Lived Effector T cell Subsets Have Different Sensitivities to TGF $\beta$ 2. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3930.	1.8	1
5121	Targeting Human Proteins for Antiviral Drug Discovery and Repurposing Efforts: A Focus on Protein Kinases. <i>Viruses</i> , 2023, 15, 568.	1.5	2
5122	Insights into bone morphogenetic proteins in cardiovascular diseases. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	4
5123	ID3 mediates BMP2-induced downregulation of ICAM1 expression in human endometrial stromal cells and decidual cells. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	7
5125	Endothelial-to-Mesenchymal Transition: Potential Target of Doxorubicin-Induced Cardiotoxicity. <i>American Journal of Cardiovascular Drugs</i> , 2023, 23, 231-246.	1.0	4
5126	The Role of Tumor Epithelial-Mesenchymal Transition and Macrophage Crosstalk in Cancer Progression. <i>Current Osteoporosis Reports</i> , 2023, 21, 117-127.	1.5	1
5127	High Expression of IRS-1, RUNX3 and SMAD4 Are Positive Prognostic Factors in Stage I $\alpha$ -III Colon Cancer. <i>Cancers</i> , 2023, 15, 1448.	1.7	2
5128	Up-regulated Circular RNAs in Colorectal Cancer: New Entities for Therapy and Tools for Identification of Therapeutic Targets. <i>Cancer Genomics and Proteomics</i> , 2023, 20, 132-153.	1.0	0

#	ARTICLE	IF	CITATIONS
5129	Triple-negative Breast Cancer: Identification of circRNAs With Efficacy in Preclinical <i>In Vivo</i> Models. <i>Cancer Genomics and Proteomics</i> , 2023, 20, 117-131.	1.0	4
5130	Extracellular matrix stiffnessâ€™The central cue for skin fibrosis. <i>Frontiers in Molecular Biosciences</i> , 2023, 10, .	1.6	5
5131	Increase in transforming growth factor- $\beta$ 2 didnot affect trombospondin1 in preeclampsia placentas. <i>Tâ€™rk Jinekoloji Ve Obstetrik Dernei Dergisi</i> , 2023, 20, 22-28.	0.3	0
5133	TGF- $\beta$ 1 signalling in Alzheimerâ€™s pathology and cytoskeletal reorganization: a specialized Tau perspective. <i>Journal of Neuroinflammation</i> , 2023, 20, .	3.1	16
5134	Canonical and noncanonical Wnt signaling: Multilayered mediators, signaling mechanisms and major signaling crosstalk. <i>Genes and Diseases</i> , 2024, 11, 103-134.	1.5	9
5135	Central role of cardiac fibroblasts in myocardial fibrosis of diabetic cardiomyopathy. <i>Frontiers in Endocrinology</i> , 2023, 14, .	1.5	4
5136	A Novel Drastic Peptide Genetically Adapted to Biomimetic Scaffolds â€™Deliversâ€™Osteogenic Signals to Human Mesenchymal Stem Cells. <i>Nanomaterials</i> , 2023, 13, 1236.	1.9	1
5137	Hallmarks of an Aging and Malignant Tumor Microenvironment and the Rise of Resilient Cell Subpopulations. <i>Current Cancer Research</i> , 2023, , 113-137.	0.2	0
5138	Biophysical Regulation of TGF $\beta$ 2 Signaling in the Tumor Microenvironment. <i>Current Cancer Research</i> , 2023, , 159-200.	0.2	1
5139	Hybrid Cell Membraneâ€™Functionalized Matrixes for Modulating Inflammatory Microenvironment and Improving Bone Defect Repair. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	5
5140	Spatially Defined Cell-Secreted Protein Detection Using Granular Hydrogels: $\beta$ 4GeLISA. <i>ACS Biomaterials Science and Engineering</i> , 2023, 9, 2317-2328.	2.6	2
5141	An insight into the associations between microRNA expression and mitochondrial functions in cancer cell and cancer stem cell. <i>Molecular Biology Reports</i> , 2023, 50, 5395-5405.	1.0	1
5142	The Role of TGF- $\beta$ 3 in Radiation Response. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7614.	1.8	3
5143	TWEAK Signalingâ€™Induced ID1 Expression Drives Malignant Transformation of Hepatic Progenitor Cells During Hepatocarcinogenesis. <i>Advanced Science</i> , 2023, , .	5.6	0
5147	Transforming Growth Factor- $\beta$ 1 in Cancer Immunology: Opportunities for Immunotherapy. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 309-328.	0.8	5
5153	Promising Therapeutic Treatments for Cardiac Fibrosis: Herbal Plants and Their Extracts. <i>Cardiology and Therapy</i> , 2023, , .	1.1	0
5163	Hyaluronan in Kidney Fibrosis. <i>Biology of Extracellular Matrix</i> , 2023, , 77-97.	0.3	0
5169	Recent developments on BMPs and their antagonists in inflammatory bowel diseases. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	1

#	ARTICLE	IF	CITATIONS
5170	Growth factors and their receptors. , 2023, , 187-243.		0
5181	The role of epithelial-mesenchymal transition and autophagy in pancreatic ductal adenocarcinoma invasion. Cell Death and Disease, 2023, 14, .	2.7	2
5199	TGF- $\beta$ 2 in correlation with tumor progression, immunosuppression and targeted therapy in colorectal cancer. , 2023, 40, .		1
5222	Cancer stem cells, signalling pathways and chemopreventive effects of phytochemicals in androgen-regulated cancers. , 2024, , 409-437.		0
5248	Genetics and Otitis Media. , 2023, , 91-107.		0
5274	Gastric Cancer: Epithelial-Mesenchymal Transition. , 2023, , 327-345.		0
5280	The alveolus: Our current knowledge of how the gas exchange unit of the lung is constructed and repaired. Current Topics in Developmental Biology, 2024, , .	1.0	0
5282	Das RPE in der Myopie-Entwicklung. , 2024, , 129-153.		0