Tetsuro Watabe

List of Publications by Year in descending order

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77	4,923	94433	95266
papers	citations	37 h-index	68 g-index

79	79	79	7424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roles of TGF-Î² family signaling in stem cell renewal and differentiation. Cell Research, 2009, 19, 103-115.	12.0	370
2	Bone Morphogenetic Proteins. Cold Spring Harbor Perspectives in Biology, 2016, 8, a021899.	5.5	356
3	Snail is required for TGFÎ²-induced endothelial-mesenchymal transition of embryonic stem cell-derived endothelial cells. Journal of Cell Science, 2008, 121, 3317-3324.	2.0	276
4	VEGF-A and FGF-2 synergistically promote neoangiogenesis through enhancement of endogenous PDGF-Bâ€“PDGFRÎ² signaling. Journal of Cell Science, 2005, 118, 3759-3768.	2.0	263
5	Inhibition of endogenous TGF-Î² signaling enhances lymphangiogenesis. Blood, 2008, 111, 4571-4579.	1.4	207
6	TGF-Î² receptor kinase inhibitor enhances growth and integrity of embryonic stem cellâ€“derived endothelial cells. Journal of Cell Biology, 2003, 163, 1303-1311.	5.2	172
7	Activin-Nodal signaling is involved in propagation of mouse embryonic stem cells. Journal of Cell Science, 2007, 120, 55-65.	2.0	163
8	BMP-9 induces proliferation of multiple types of endothelial cells in vitro and in vivo. Journal of Cell Science, 2010, 123, 1684-1692.	2.0	156
9	USAG-1: a bone morphogenetic protein antagonist abundantly expressed in the kidney. Biochemical and Biophysical Research Communications, 2004, 316, 490-500.	2.1	135
10	Prox1 Induces Lymphatic Endothelial Differentiation via Integrin Î±9 and Other Signaling Cascades. Molecular Biology of the Cell, 2007, 18, 1421-1429.	2.1	131
11	Thyroid Transcription Factor-1 Inhibits Transforming Growth Factor-Î²â€“Mediated Epithelial-to-Mesenchymal Transition in Lung Adenocarcinoma Cells. Cancer Research, 2009, 69, 2783-2791.	0.9	123
12	Functional Heterogeneity of Bone Morphogenetic Protein Receptor-II Mutants Found in Patients with Primary Pulmonary Hypertension. Molecular Biology of the Cell, 2002, 13, 3055-3063.	2.1	121
13	TGF-Î²-induced epithelial-mesenchymal transition of A549 lung adenocarcinoma cells is enhanced by pro-inflammatory cytokines derived from RAW 264.7 macrophage cells. Journal of Biochemistry, 2012, 151, 205-216.	1.7	117
14	Effect of Smad7 Expression on Metastasis of Mouse Mammary Carcinoma JygMC(A) Cells. Journal of the National Cancer Institute, 2005, 97, 1734-1746.	6.3	110
15	BMPs Promote Proliferation and Migration of Endothelial Cells via Stimulation of VEGF-A/VEGFR2 and Angiopoietin-1/Tie2 Signalling. Journal of Biochemistry, 2008, 143, 199-206.	1.7	108
16	COUPâ€TFII regulates the functions of Prox1 in lymphatic endothelial cells through direct interaction. Genes To Cells, 2009, 14, 425-434.	1.2	107
17	Roles of TGF-Î²Signals in Endothelial-Mesenchymal Transition during Cardiac Fibrosis. International Journal of Inflammation, 2011, 2011, 1-8.	1.5	102
18	Coamplification of prostate stem cell antigen (PSCA) andMYC in locally advanced prostate cancer. , 2000, 27, 95-103.		97

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19	BMP signals inhibit proliferation and in vivo tumor growth of androgen-insensitive prostate carcinoma cells. Oncogene, 2004, 23, 9326-9335.	5.9	95
20	TGF-Î²-induced mesenchymal transition of MS-1 endothelial cells requires Smad-dependent cooperative activation of Rho signals and MRTF-A. Journal of Biochemistry, 2012, 151, 145-156.	1.7	95
21	Bone morphogenetic protein-9 inhibits lymphatic vessel formation via activin receptor-like kinase 1 during development and cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18940-18945.	7.1	95
22	TNFâ€Î± enhances TGFâ€Î²â€induced endothelialâ€toâ€mesenchymal transition via TGFâ€Î² signal augmentation. Cancer Science, 2020, 111, 2385-2399.	3.9	83
23	Excess Lymphangiogenesis Cooperatively Induced by Macrophages and CD4+ T Cells Drives the Pathogenesis of Lymphedema. Journal of Investigative Dermatology, 2016, 136, 706-714.	0.7	79
24	Roles of TGF-Î² family signals in the fate determination of pluripotent stem cells. Seminars in Cell and Developmental Biology, 2014, 32, 98-106.	5.0	69
25	Xlim-1 and LIM Domain Binding Protein 1 Cooperate with Various Transcription Factors in the Regulation of the goosecoid Promoter. Developmental Biology, 2000, 224, 470-485.	2.0	61
26	BMP Sustains Embryonic Stem Cell Self-Renewal through Distinct Functions of Different KrÃ¼ppel-like Factors. Stem Cell Reports, 2016, 6, 64-73.	4.8	61
27	Molecular cloning and amino acid sequencing of rat liver class theta glutathione S-transferase Yrs-Yrs inactivating reactive sulfate esters of carcinogenic arylmethanols. Biochemical and Biophysical Research Communications, 1991, 181, 1294-1300.	2.1	59
28	Growth, regeneration, and tumorigenesis of the prostate activates the PSCA promoter. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 401-406.	7.1	56
29	Roles for the MH2 Domain of Smad7 in the Specific Inhibition of Transforming Growth Factor-Î² Superfamily Signaling. Journal of Biological Chemistry, 2004, 279, 31568-31574.	3.4	56
30	Lysosome-associated membrane proteins-1 and -2 (LAMP-1 and LAMP-2) assemble via distinct modes. Biochemical and Biophysical Research Communications, 2016, 479, 489-495.	2.1	55
31	Functional Conservation of the Wnt Signaling Pathway Revealed by Ectopic Expression of Drosophila dishevelled in Xenopus. Developmental Biology, 1995, 170, 717-721.	2.0	54
32	Roles of vascular endothelial growth factor receptor 3 signaling in differentiation of mouse embryonic stem cellâ€“derived vascular progenitor cells into endothelial cells. Blood, 2005, 105, 2372-2379.	1.4	50
33	Ets family members induce lymphangiogenesis through physical and functional interaction with Prox1. Journal of Cell Science, 2011, 124, 2753-2762.	2.0	46
34	Micro<scp>RNA</scp>â€31 is a positive modulator of endothelialâ€“mesenchymal transition and associated secretory phenotype induced by <scp>TGF</scp>â€Î². Genes To Cells, 2016, 21, 99-116.	1.2	46
35	Noncanonical Wnt signaling mediates androgen-dependent tumor growth in a mouse model of prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4938-4943.	7.1	45
36	Expression of plateletâ€derived growth factor receptor Î² is maintained by Prox1 in lymphatic endothelial cells and is required for tumor lymphangiogenesis. Cancer Science, 2014, 105, 1116-1123.	3.9	44

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37	Ras signaling directs endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Biology, 2008, 181, 131-141.	5.2	42
38	VEGFR2-PLCÎ³1 axis is essential for endothelial specification of VEGFR2+ vascular progenitor cells. Journal of Cell Science, 2009, 122, 3303-3311.	2.0	39
39	Emerging roles of inflammation-mediated endothelialâ€“mesenchymal transition in health and disease. Inflammation and Regeneration, 2022, 42, 9.	3.7	37
40	Fibroblast growth factor signals regulate transforming growth factorâ€Î²â€induced endothelialâ€toâ€myofibroblast transition of tumor endothelial cells via Elk1. Molecular Oncology, 2019, 13, 1706-1724.	4.6	36
41	Deletion of PSCA increases metastasis of TRAMPâ€induced prostate tumors without altering primary tumor formation. Prostate, 2008, 68, 139-151.	2.3	34
42	The Fate of Transplanted Periodontal Ligament Stem Cells in Surgically Created Periodontal Defects in Rats. International Journal of Molecular Sciences, 2019, 20, 192.	4.1	34
43	TGF-beta and TNF-alpha cooperatively induce mesenchymal transition of lymphatic endothelial cells via activation of Activin signals. PLoS ONE, 2020, 15, e0232356.	2.5	34
44	Identification of targets of Prox1 during in vitro vascular differentiation from embryonic stem cells: functional roles of HoxD8 in lymphangiogenesis. Journal of Cell Science, 2009, 122, 3923-3930.	2.0	33
45	Interleukin-13 receptor Î±2 is a novel marker and potential therapeutic target for human melanoma. Scientific Reports, 2019, 9, 1281.	3.3	33
46	Roles of signaling and transcriptional networks in pathological lymphangiogenesis. Advanced Drug Delivery Reviews, 2016, 99, 161-171.	13.7	31
47	Targeting all transforming growth factor-Î² isoforms with an Fc chimeric receptor impairs tumor growth and angiogenesis of oral squamous cell cancer. Journal of Biological Chemistry, 2020, 295, 12559-12572.	3.4	30
48	Vasohibinâ€2 is required for epithelialâ€“mesenchymal transition of ovarian cancer cells by modulating transforming growth factorâ€Î² signaling. Cancer Science, 2017, 108, 419-426.	3.9	28
49	Novel Hybrid Compound of a Plinabulin Prodrug with an IgG Binding Peptide for Generating a Tumor Selective Noncovalent-Type Antibodyâ€“Drug Conjugate. Bioconjugate Chemistry, 2016, 27, 1606-1613.	3.6	22
50	Changes in characteristics of periodontal ligament stem cells in spheroid culture. Journal of Periodontal Research, 2019, 54, 364-373.	2.7	18
51	Development of stabilin2+ endothelial cells from mouse embryonic stem cells by inhibition of TGFÎ²/activin signaling. Biochemical and Biophysical Research Communications, 2008, 375, 256-260.	2.1	16
52	Widespread inference of weighted microRNA-mediated gene regulation in cancer transcriptome analysis. Nucleic Acids Research, 2013, 41, e62-e62.	14.5	16
53	PDMP, a ceramide analogue, acts as an inhibitor of mTORC1 by inducing its translocation from lysosome to endoplasmic reticulum. Experimental Cell Research, 2017, 350, 103-114.	2.6	14
54	Activation of Î²2â€adrenergic receptor signals suppresses mesenchymal phenotypes of oral squamous cell carcinoma cells. Cancer Science, 2021, 112, 155-167.	3.9	12

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55	Progression of melanoma is suppressed by targeting all transforming growth factorâ€Î² isoforms with an Fc chimeric receptor. Oncology Reports, 2021, 46, .	2.6	12
56	Intracellular claudinâ€1 at the invasive front of tongue squamous cell carcinoma is associated with lymph node metastasis. Cancer Science, 2020, 111, 700-712.	3.9	12
57	Spontaneous differentiation of periodontal ligament stem cells into myofibroblast during ex vivo expansion. Journal of Cellular Physiology, 2019, 234, 20377-20391.	4.1	11
58	Angiogenic Effects of Secreted Factors from Periodontal Ligament Stem Cells. Dentistry Journal, 2021, 9, 9.	2.3	11
59	Tubulin carboxypeptidase activity of vasohibin-1 inhibits angiogenesis by interfering with endocytosis and trafficking of pro-angiogenic factor receptors. Angiogenesis, 2021, 24, 159-176.	7.2	10
60	Roles of transcriptional network during the formation of lymphatic vessels. Journal of Biochemistry, 2012, 152, 213-220.	1.7	9
61	PROX1 suppresses vitamin K-induced transcriptional activity of steroid and xenobiotic receptor. Genes To Cells, 2011, 16, 1063-1070.	1.2	8
62	Peptideâ€2 from mouse myostatin precursor protein alleviates muscle wasting in cancerâ€associated cachexia. Cancer Science, 2020, 111, 2954-2964.	3.9	8
63	A novel immunotoxin reveals a new role for CD321 in endothelial cells. PLoS ONE, 2017, 12, e0181502.	2.5	8
64	TGF-Î² Signaling in Embryonic Stem Cell-Derived Endothelial Cells. , 2006, 330, 341-352.		7
65	Roles of old players in the suppression of a new player: networks for the transcriptional control of angiogenesis. Journal of Biochemistry, 2011, 149, 117-119.	1.7	7
66	Roles of Dppa2 in the regulation of the present status and future of pluripotent stem cells. Journal of Biochemistry, 2012, 152, 1-3.	1.7	6
67	Dual targeting of vascular endothelial growth factor and bone morphogenetic proteinâ€9/10 impairs tumor growth through inhibition of angiogenesis. Cancer Science, 2017, 108, 151-155.	3.9	6
68	Unilateral nasal obstruction alters sweet taste preference and sweet taste receptors in rat circumvallate papillae. Acta Histochemica, 2019, 121, 135-142.	1.8	6
69	The ceramide analogue N-(1-hydroxy-3-morpholino-1-phenylpropan-2-yl)decanamide induces large lipid droplet accumulation and highlights the effect of LAMP-2 deficiency on lipid droplet degradation. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126891.	2.2	5
70	ASK1 suppresses NK cellâ€mediated intravascular tumor cell clearance in lung metastasis. Cancer Science, 2021, 112, 1633-1643.	3.9	5
71	Isolation and characterisation of lymphatic endothelial cells from lung tissues affected by lymphangioleiomyomatosis. Scientific Reports, 2021, 11, 8406.	3.3	5
72	Ras signaling and RREB1 are required for the dissociation of medial edge epithelial cells in murine palatogenesis. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	5

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73	Construction of transplantable artificial vascular tissue based on adipose tissue-derived mesenchymal stromal cells by a cell coating and cryopreservation technique. Scientific Reports, 2021, 11, 17989.	3.3	4
74	Mechanoresponsive and lubricating changes of mandibular condylar cartilage associated with mandibular lateral shift and recovery in the growing rat. Clinical Oral Investigations, 2020, 24, 3547-3557.	3.0	3
75	Hapten sensitization to vaginal mucosa induces less recruitment of dendritic cells accompanying TGFâ€Î²â€expressing CD206⁺ cells compared with skin. Immunity, Inflammation and Disease, 2022, 10, e605.	2.7	3
76	Roles of Transcription Factors and Signaling Networks in the Regulation of Lymphatic Endothelial Cell Function. The Journal of Japanese College of Angiology, 2020, 60, 193-196.	0.0	0
77	Vascular System in Tumor Microenvironment and Its Application for in vitro Assay. Membrane, 2022, 47, 161-168.	0.0	0