Carl-Henrik Heldin

List of Publications by Year
in descending order

204 papers	36,087 citations	6606 79 h-index	3102 187 g-index
207 all docs	207 docs citations	207 times ranked	32296 citing authors

#	Article	IF	Citations
1	TGF-Î² signalling from cell membrane to nucleus through SMAD proteins. Nature, 1997, 390, 465-471.	13.7	3,514
2	Mechanism of Action and In Vivo Role of Platelet-Derived Growth Factor. Physiological Reviews, 1999, 79, 1283-1316.	13.1	2,141
3	High interstitial fluid pressure â€" an obstacle in cancer therapy. Nature Reviews Cancer, 2004, 4, 806-813.	12.8	1,814
4	Identification of Smad7, a TGFÎ²-inducible antagonist of TGF-Î² signalling. Nature, 1997, 389, 631-635.	13.7	1,684
5	Platelet-derived growth factor is structurally related to the putative transforming protein p28sis of simian sarcoma virus. Nature, 1983, 304, 35-39.	13.7	1,629
6	Dimerization of cell surface receptors in signal transduction. Cell, 1995, 80, 213-223.	13.5	1,571
7	Non-Smad TGF-Î² signals. Journal of Cell Science, 2005, 118, 3573-3584.	1.2	976
8	cDNA sequence and chromosomal localization of human platelet-derived growth factor A-chain and its expression in tumour cell lines. Nature, 1986, 320, 695-699.	13.7	778
9	Signaling networks guiding epithelialâ€"mesenchymal transitions during embryogenesis and cancer progression. Cancer Science, 2007, 98, 1512-1520.	1.7	722
10	The regulation of TGFÎ² signal transduction. Development (Cambridge), 2009, 136, 3699-3714.	1.2	716
11	Stimulation of tyrosine-specific phosphorylation by platelet-derived growth factor. Nature, 1982, 295, 419-420.	13.7	706
12	Mechanism of TGF-Î² signaling to growth arrest, apoptosis, and epithelialâ€"mesenchymal transition. Current Opinion in Cell Biology, 2009, 21, 166-176.	2.6	587
13	PDGF-C is a new protease-activated ligand for the PDGF Î±-receptor. Nature Cell Biology, 2000, 2, 302-309.	4.6	548
14	TGF-Î² and the Smad Signaling Pathway Support Transcriptomic Reprogramming during Epithelial-Mesenchymal Cell Transition. Molecular Biology of the Cell, 2005, 16, 1987-2002.	0.9	530
15	PDGF-D is a specific, protease-activated ligand for the PDGF Î²-receptor. Nature Cell Biology, 2001, 3, 512-516.	4.6	503
16	The type I TGF-Î² receptor engages TRAF6 to activate TAK1 in a receptor kinase-independent manner. Nature Cell Biology, 2008, 10, 1199-1207.	4.6	482
17	Signaling Receptors for TGF-Î² Family Members. Cold Spring Harbor Perspectives in Biology, 2016, 8, a022053.	2.3	480
18	Transforming growth factor-Î² employs HMGA2 to elicit epithelialâ€"mesenchymal transition. Journal of Cell Biology, 2006, 174, 175-183.	2.3	457

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19	PDGF receptors as cancer drug targets. Cancer Cell, 2003, 3, 439-443.	7.7	449
20	Regulation of EMT by TGFÎ² in cancer. FEBS Letters, 2012, 586, 1959-1970.	1.3	435
21	Targeting the PDGF signaling pathway in tumor treatment. Cell Communication and Signaling, 2013, 11, 97.	2.7	410
22	Inhibitory DNA Ligands to Platelet-Derived Growth Factor B-Chain. Biochemistry, 1996, 35, 14413-14424.	1.2	392
23	Transforming Growth Factor-Î²â€“induced Mobilization of Actin Cytoskeleton Requires Signaling by Small GTPases Cdc42 and RhoA. Molecular Biology of the Cell, 2002, 13, 902-914.	0.9	382
24	Signal transduction via platelet-derived growth factor receptors. Biochimica Et Biophysica Acta: Reviews on Cancer, 1998, 1378, F79-F113.	3.3	376
25	Inhibition of PDGF receptor signaling in tumor stroma enhances antitumor effect of chemotherapy. Cancer Research, 2002, 62, 5476-84.	0.4	356
26	The L45 loop in type I receptors for TGF-Î² family members is a critical determinant in specifying Smad isoform activation. FEBS Letters, 1998, 434, 83-87.	1.3	352
27	Phosphorylation of Ser465 and Ser467 in the C Terminus of Smad2 Mediates Interaction with Smad4 and Is Required for Transforming Growth Factor-Î² Signaling. Journal of Biological Chemistry, 1997, 272, 28107-28115.	1.6	345
28	Signaling inputs converge on nuclear effectors in TGF-Î² signaling. Trends in Biochemical Sciences, 2000, 25, 64-70.	3.7	340
29	Coexpression of the sis and myc proto-oncogenes in developing human placenta suggests autocrine control of trophoblast growth. Cell, 1985, 41, 301-312.	13.5	327
30	Id2 and Id3 Define the Potency of Cell Proliferation and Differentiation Responses to Transforming Growth Factor Î² and Bone Morphogenetic Protein. Molecular and Cellular Biology, 2004, 24, 4241-4254.	1.1	318
31	Control of Smad7 Stability by Competition between Acetylation and Ubiquitination. Molecular Cell, 2002, 10, 483-493.	4.5	313
32	HMGA2 and Smads Co-regulate SNAIL1 Expression during Induction of Epithelial-to-Mesenchymal Transition. Journal of Biological Chemistry, 2008, 283, 33437-33446.	1.6	310
33	Role of Smads in TGFÎ² signaling. Cell and Tissue Research, 2012, 347, 21-36.	1.5	291
34	A glioma-derived PDGF a chain homodimer has different functional activities from a PDGF AB heterodimer purified from human platelets. Cell, 1988, 52, 791-799.	13.5	260
35	Platelet-Derived Growth Factor is AngiogenicIn Vivo. Growth Factors, 1992, 7, 261-266.	0.5	258
36	Coexpression of a PDGF-like growth factor and PDGF receptors in a human osteosarcoma cell line: Implications for autocrine receptor activation. Cell, 1984, 39, 447-457.	13.5	233

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37	Possible positive autocrine feedback in the prereplicative phase of human fibroblasts. Nature, 1987, 328, 715-717.	13.7	224
38	Transforming Growth Factor Î²1 Induces Nuclear Export of Inhibitory Smad7. Journal of Biological Chemistry, 1998, 273, 29195-29201.	1.6	218
39	Prognostic Significance of Stromal Platelet-Derived Growth Factor Î²-Receptor Expression in Human Breast Cancer. American Journal of Pathology, 2009, 175, 334-341.	1.9	215
40	Transforming Growth Factor-Î²1 (TGF-Î²)â€“induced Apoptosis of Prostate Cancer Cells Involves Smad7-dependent Activation of p38 by TGF-Î²-activated Kinase 1 and Mitogen-activated Protein Kinase Kinase 3. Molecular Biology of the Cell, 2003, 14, 529-544.	0.9	213
41	Mechanisms of TGFÎ²-Induced Epithelialâ€“Mesenchymal Transition. Journal of Clinical Medicine, 2016, 5, 63.	1.0	194
42	Chemical and biological properties of a growth factor from human-cultured osteosarcoma cells: Resemblance with platelet-derived growth factor. Journal of Cellular Physiology, 1980, 105, 235-246.	2.0	190
43	Antibodies against platelet-derived growth factor inhibit acute transformation by simian sarcoma virus. Nature, 1985, 317, 438-440.	13.7	190
44	New Members of the Platelet-Derived Growth Factor Family of Mitogens. Archives of Biochemistry and Biophysics, 2002, 398, 284-290.	1.4	190
45	PDGF Receptors as Targets in Tumor Treatment. Advances in Cancer Research, 2007, 97, 247-274.	1.9	187
46	ChIP-seq reveals cell type-specific binding patterns of BMP-specific Smads and a novel binding motif. Nucleic Acids Research, 2011, 39, 8712-8727.	6.5	186
47	Involvement of platelet-derived growth factor in disease: development of specific antagonists. Advances in Cancer Research, 2001, 80, 1-38.	1.9	174
48	Platelet-Derived Growth Factor Production by B16 Melanoma Cells Leads to Increased Pericyte Abundance in Tumors and an Associated Increase in Tumor Growth Rate. Cancer Research, 2004, 64, 2725-2733.	0.4	174
49	Regulation of Smad signaling by protein kinase C. FASEB Journal, 2001, 15, 553-555.	0.2	170
50	Transforming Growth Factor-Î² Induces Nuclear Import of Smad3 in an Importin-Î²1 and Ran-dependent Manner. Molecular Biology of the Cell, 2001, 12, 1079-1091.	0.9	163
51	TRAF6 ubiquitinates TGFÎ² type I receptor to promote its cleavage and nuclear translocation in cancer. Nature Communications, 2011, 2, 330.	5.8	157
52	TGF-Î² promotes PI3K-AKT signaling and prostate cancer cell migration through the TRAF6-mediated ubiquitylation of p85Î±. Science Signaling, 2017, 10, .	1.6	157
53	Nuclear Factor YY1 Inhibits Transforming Growth Factor Î²- and Bone Morphogenetic Protein-Induced Cell Differentiation. Molecular and Cellular Biology, 2003, 23, 4494-4510.	1.1	153
54	Revascularization of ischemic tissues by PDGF-CC via effects on endothelial cells and their progenitors. Journal of Clinical Investigation, 2005, 115, 118-127.	3.9	148

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55	The effect of platelet-derived growth factor on morphology and motility of human glial cells. Journal of Muscle Research and Cell Motility, 1983, 4, 589-609.	0.9	142
56	Rat Brain Capillary Endothelial Cells Express Functional PDGF B-Type Receptors. Growth Factors, 1989, 2, 1-8.	0.5	142
57	Mechanisms of platelet-derived growth factor-induced chemotaxis. International Journal of Cancer, 2001, 91, 757-762.	2.3	140
58	The Balance between Acetylation and Deacetylation Controls Smad7 Stability. Journal of Biological Chemistry, 2005, 280, 21797-21803.	1.6	140
59	Emergence, development and diversification of the TGF-Î² signalling pathway within the animal kingdom. BMC Evolutionary Biology, 2009, 9, 28.	3.2	137
60	Notch signaling is necessary for epithelial growth arrest by TGF-Î². Journal of Cell Biology, 2007, 176, 695-707.	2.3	126
61	Induction of epithelialâ€“mesenchymal transition by transforming growth factor Î². Seminars in Cancer Biology, 2012, 22, 446-454.	4.3	123
62	Expression of Three Recombinant Homodimeric Isoforms of PDGF inSaccharomyces cerevisiae: Evidence for Difference in Receptor Binding and Functional Activities. Growth Factors, 1989, 1, 271-281.	0.5	121
63	Interaction between Smad7 and Î²-Catenin: Importance for Transforming Growth Factor Î²-Induced Apoptosis. Molecular and Cellular Biology, 2005, 25, 1475-1488.	1.1	121
64	Effect of epidermal growth factor on membrane motility and cell locomotion in cultures of human clonal glioma cells. Journal of Neuroscience Research, 1982, 8, 491-507.	1.3	120
65	PARP-1 Attenuates Smad-Mediated Transcription. Molecular Cell, 2010, 40, 521-532.	4.5	119
66	Structural and Functional Properties of Platelet-Derived Growth Factor and Stem Cell Factor Receptors. Cold Spring Harbor Perspectives in Biology, 2013, 5, a009100-a009100.	2.3	111
67	Involvement of Phosphatidylinositide 3â€²-Kinase and Rac in Platelet-Derived Growth Factor-Induced Actin Reorganization and Chemotaxis. Experimental Cell Research, 1997, 234, 434-441.	1.2	110
68	Platelet-derived Growth Factor Stimulates Membrane Lipid Synthesis Through Activation of Phosphatidylinositol 3-Kinase and Sterol Regulatory Element-binding Proteins. Journal of Biological Chemistry, 2004, 279, 35392-35402.	1.6	107
69	Growth factor regulation of hyaluronan synthesis and degradation in human dermal fibroblasts: importance of hyaluronan for the mitogenic response of PDGF-BB. Biochemical Journal, 2007, 404, 327-336.	1.7	107
70	The DNA Binding Activities of Smad2 and Smad3 Are Regulated by Coactivator-mediated Acetylation. Journal of Biological Chemistry, 2006, 281, 39870-39880.	1.6	105
71	STI571 enhances the therapeutic index of epothilone B by a tumor-selective increase of drug uptake. Clinical Cancer Research, 2003, 9, 3779-87.	3.2	105
72	Expression of Platelet-Derived Growth Factor (PDGF) and PDGF Î±- and Î²-Receptors in the Peripheral Nervous System: An Analysis of Sciatic Nerve and Dorsal Root Ganglia. Developmental Biology, 1993, 155, 459-470.	0.9	101

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73	Regulation of Transcription Factor Twist Expression by the DNA Architectural Protein High Mobility Group A2 during Epithelial-to-Mesenchymal Transition. Journal of Biological Chemistry, 2012, 287, 7134-7145.	1.6	94
74	Activated platelet-derived growth factor autocrine pathway drives the transformed phenotype of a human glioblastoma cell line. Journal of Cellular Physiology, 1994, 158, 381-389.	2.0	93
75	Dynamic control of TGFâ€Î²2 signaling and its links to the cytoskeleton. FEBS Letters, 2008, 582, 2051-2065.	1.3	92
76	Differential Ubiquitination Defines the Functional Status of the Tumor Suppressor Smad4. Journal of Biological Chemistry, 2003, 278, 33571-33582.	1.6	91
77	Site-Selective Regulation of Platelet-Derived Growth Factor Î² Receptor Tyrosine Phosphorylation by T-Cell Protein Tyrosine Phosphatase. Molecular and Cellular Biology, 2004, 24, 2190-2201.	1.1	87
78	Identification of the Major Phosphorylation Sites for Protein Kinase C in Kit/Stem Cell Factor Receptor in Vitro and in Intact Cells. Journal of Biological Chemistry, 1995, 270, 14192-14200.	1.6	83
79	Activation of Stat5 by platelet-derived growth factor (PDGF) is dependent on phosphorylation sites in PDGF Î²-receptor juxtamembrane and kinase insert domains. Oncogene, 1998, 16, 505-515.	2.6	82
80	A human glioma cell line secretes three structurally and functionally different dimeric forms of platelet-derived growth factor. FEBS Journal, 1988, 176, 179-186.	0.2	78
81	Binding of factor VIIa to tissue factor on human fibroblasts leads to activation of phospholipase C and enhanced PDGF-BBâ€“stimulated chemotaxis. Blood, 2000, 96, 3452-3458.	0.6	78
82	The Mechanism of Nuclear Export of Smad3 Involves Exportin 4 and Ran. Molecular and Cellular Biology, 2006, 26, 1318-1332.	1.1	78
83	Similar action of platelet-derived growth factor and epidermal growth factor in the prereplicative phase of human fibroblasts suggests a common intracellular pathway. Journal of Cellular Physiology, 1985, 124, 43-48.	2.0	77
84	JUNB governs a feed-forward network of TGFÎ²2 signaling that aggravates breast cancer invasion. Nucleic Acids Research, 2018, 46, 1180-1195.	6.5	77
85	Functional Characterization of Germline Mutations in PDGFB and PDGFRB in Primary Familial Brain Calcification. PLoS ONE, 2015, 10, e0143407.	1.1	77
86	Inhibition of Platelet-derived Growth Factor-BB-induced Receptor Activation and Fibroblast Migration by Hyaluronan Activation of CD44. Journal of Biological Chemistry, 2006, 281, 26512-26519.	1.6	73
87	TGFÎ²2 induces SIK to negatively regulate type I receptor kinase signaling. Journal of Cell Biology, 2008, 182, 655-662.	2.3	69
88	The high mobility group A2 protein epigenetically silences the Cdh1 gene during epithelial-to-mesenchymal transition. Nucleic Acids Research, 2015, 43, 162-178.	6.5	69
89	Grb7 is a Downstream Signaling Component of Platelet-derived Growth Factor Î±- and Î²-Receptors. Journal of Biological Chemistry, 1996, 271, 30942-30949.	1.6	67
90	Targeting PDGFâ€mediated recruitment of pericytes blocks vascular mimicry and tumor growth. Journal of Pathology, 2018, 246, 447-458.	2.1	67

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91	SHP-2 binds to Tyr763 and Tyr1009 in the PDGF Î²-receptor and mediates PDGF-induced activation of the Ras/MAP kinase pathway and chemotaxis. Oncogene, 1999, 18, 3696-3702.	2.6	66
92	Intimal Hyperplasia Recurs After Removal of PDGF-AB and -BB Inhibition in the Rat Carotid Artery Injury Model. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, E89-95.	1.1	66
93	Negative and Positive Regulation of MAPK Phosphatase 3 Controls Platelet-derived Growth Factor-induced Erk Activation. Journal of Biological Chemistry, 2009, 284, 4626-4634.	1.6	66
94	Bone morphogenetic protein receptors: Structure, function and targeting by selective small molecule kinase inhibitors. Bone, 2020, 138, 115472.	1.4	65
95	Identification of a subset of pericytes that respond to combination therapy targeting PDGF and VEGF signaling. International Journal of Cancer, 2007, 121, 2606-2614.	2.3	63
96	Autocrine PDGF stimulation in malignancies. Upsala Journal of Medical Sciences, 2012, 117, 83-91.	0.4	62
97	Increased mitogenicity of an Î±Î² heterodimeric PDGF receptor complex correlates with lack of RasGAP binding. Oncogene, 1999, 18, 2481-2488.	2.6	61
98	BMP Sustains Embryonic Stem Cell Self-Renewal through Distinct Functions of Different KrÃ¼ppel-like Factors. Stem Cell Reports, 2016, 6, 64-73.	2.3	61
99	TRAF6 Stimulates the Tumor-Promoting Effects of TGFÎ² Type I Receptor Through Polyubiquitination and Activation of Presenilin 1. Science Signaling, 2014, 7, ra2.	1.6	60
100	Platelet-derived Growth Factor Î²-Receptor, Transforming Growth Factor Î² Type I Receptor, and CD44 Protein Modulate Each Other's Signaling and Stability. Journal of Biological Chemistry, 2014, 289, 19747-19757.	1.6	60
101	TGFÎ²-induced invasion of prostate cancer cells is promoted by c-Jun-dependent transcriptional activation of Snail1. Cell Cycle, 2014, 13, 2400-2414.	1.3	59
102	The transcription factor MAFK induces EMT and malignant progression of triple-negative breast cancer cells through its target GPNMB. Science Signaling, 2017, 10, .	1.6	58
103	Autoinhibition of the Platelet-derived Growth Factor Î²-Receptor Tyrosine Kinase by Its C-terminal Tail. Journal of Biological Chemistry, 2004, 279, 19732-19738.	1.6	54
104	Polyubiquitination of Transforming Growth Factor Î² (TGFÎ²)-associated Kinase 1 Mediates Nuclear Factor-Î°B Activation in Response to Different Inflammatory Stimuli. Journal of Biological Chemistry, 2012, 287, 123-133.	1.6	54
105	Differential expression of platelet-derived growth factor Î±- and Î²-receptors on fat-storing cells and endothelial cells of rat liver. Experimental Cell Research, 1991, 193, 364-369.	1.2	52
106	TGFÎ²1-Induced Activation of ATM and p53 Mediates Apoptosis in a Smad7-Dependent Manner. Cell Cycle, 2006, 5, 2787-2795.	1.3	52
107	TGFÎ² and EGF signaling orchestrates the AP-1- and p63 transcriptional regulation of breast cancer invasiveness. Oncogene, 2020, 39, 4436-4449.	2.6	52
108	Identification of Tyr-762 in the platelet-derived growth factor Î±-receptor as the binding site for Crk proteins. Oncogene, 1998, 16, 1229-1239.	2.6	51

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109	Immunoglobulin-like Domain 4-mediated Receptor-Receptor Interactions Contribute to Platelet-derived Growth Factor-induced Receptor Dimerization. Journal of Biological Chemistry, 1997, 272, 12676-12682.	1.6	50
110	Negative Regulation of TGFÎ² Signaling by the Kinase LKB1 and the Scaffolding Protein LIP1. Journal of Biological Chemistry, 2011, 286, 341-353.	1.6	50
111	A decisive function of transforming growth factor-Î²/Smad signaling in tissue morphogenesis and differentiation of human HaCaT keratinocytes. Molecular Biology of the Cell, 2011, 22, 782-794.	0.9	49
112	Loss of T-Cell Protein Tyrosine Phosphatase Induces Recycling of the Platelet-derived Growth Factor (PDGF) Î²-Receptor but Not the PDGF Î±-Receptor. Molecular Biology of the Cell, 2006, 17, 4846-4855.	0.9	48
113	Activation of Protein Kinase C Î± Is Necessary for Sorting the PDGF Î²-Receptor to Rab4a-dependent Recycling. Molecular Biology of the Cell, 2009, 20, 2856-2863.	0.9	48
114	A Unique Autophosphorylation Site in the Platelet-Derived Growth Factor alpha Receptor from a Heterodimeric Receptor Complex. FEBS Journal, 1994, 225, 29-41.	0.2	47
115	Phosphorylation of Smad7 at Ser-249 Does Not Interfere with Its Inhibitory Role in Transforming Growth Factor-Î²-dependent Signaling but Affects Smad7-dependent Transcriptional Activation. Journal of Biological Chemistry, 2001, 276, 14344-14349.	1.6	47
116	Platelet-Specific PDGFB Ablation Impairs Tumor Vessel Integrity and Promotes Metastasis. Cancer Research, 2020, 80, 3345-3358.	0.4	47
117	Snail regulates BMP and TGFÎ² pathways to control the differentiation status of glioma-initiating cells. Oncogene, 2018, 37, 2515-2531.	2.6	46
118	Structural Determinants in the Platelet-derived Growth Factor Î±-Receptor Implicated in Modulation of Chemotaxis. Journal of Biological Chemistry, 1996, 271, 5101-5111.	1.6	45
119	Targeting the PDGF Signaling Pathway in the Treatment of Non-Malignant Diseases. Journal of NeuroImmune Pharmacology, 2014, 9, 69-79.	2.1	45
120	Alix Facilitates the Interaction between c-Cbl and Platelet-derived Growth Factor Î²-Receptor and Thereby Modulates Receptor Down-regulation. Journal of Biological Chemistry, 2006, 281, 39152-39158.	1.6	44
121	TRAF6 promotes TGFÎ²-induced invasion and cell-cycle regulation via Lys63-linked polyubiquitination of Lys178 in TGFÎ² type I receptor. Cell Cycle, 2015, 14, 554-565.	1.3	44
122	Involvement of hyaluronan and CD44 in cancer and viral infections. Cellular Signalling, 2020, 65, 109427.	1.7	44
123	Ligand-induced recruitment of Na+/H+-exchanger regulatory factor to the PDGF (platelet-derived) Tj ETQq1 1 0.784314 rgBT /Overloc 2003, 376, 505-510.	1.7	43
124	Has2 natural antisense RNA and Hmga2 promote Has2 expression during TGFÎ²-induced EMT in breast cancer. Matrix Biology, 2019, 80, 29-45.	1.5	43
125	Intracellular trafficking of transforming growth factor β receptors. Acta Biochimica Et Biophysica Sinica, 2018, 50, 3-11.	0.9	41
126	Combined Anti-Angiogenic Therapy Targeting PDGF and VEGF Receptors Lowers the Interstitial Fluid Pressure in a Murine Experimental Carcinoma. PLoS ONE, 2009, 4, e8149.	1.1	38

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127	Overactivation of Phospholipase C-Î³1 Renders Platelet-derived Growth Factor Î²-Receptor-expressing Cells Independent of the Phosphatidylinositol 3-Kinase Pathway for Chemotaxis. Journal of Biological Chemistry, 1999, 274, 22089-22094.	1.6	37
128	p53 regulates epithelialâ€“mesenchymal transition induced by transforming growth factor Î². Journal of Cellular Physiology, 2013, 228, 801-813.	2.0	37
129	Nck Adapters Are Involved in the Formation of Dorsal Ruffles, Cell Migration, and Rho Signaling Downstream of the Platelet-derived Growth Factor Î² Receptor. Journal of Biological Chemistry, 2008, 283, 30034-30044.	1.6	36
130	Dynamin Inhibitors Impair Endocytosis and Mitogenic Signaling of <scp>PDGF</scp>. Traffic, 2013, 14, 725-736.	1.3	36
131	Signal Transduction: Multiple Pathways, Multiple Options for Therapy. Stem Cells, 2001, 19, 295-303.	1.4	35
132	Gab1 Contributes to Cytoskeletal Reorganization and Chemotaxis in Response to Platelet-derived Growth Factor. Journal of Biological Chemistry, 2004, 279, 17897-17904.	1.6	35
133	Specific targeting of PDGFRÎ² in the stroma inhibits growth and angiogenesis in tumors with high PDGF-BB expression. Theranostics, 2020, 10, 1122-1135.	4.6	35
134	Snail mediates crosstalk between TGFÎ² and LXRÎ± in hepatocellular carcinoma. Cell Death and Differentiation, 2018, 25, 885-903.	5.0	34
135	Ras and TGF-Î² signaling enhance cancer progression by promoting the Î”Np63 transcriptional program. Science Signaling, 2016, 9, ra84.	1.6	33
136	LXRÎ± limits TGFÎ²-dependent hepatocellular carcinoma associated fibroblast differentiation. Oncogenesis, 2019, 8, 36.	2.1	33
137	Compartmentalization of Autocrine Signal Transduction Pathways in Sis-transformed NIH 3T3 Cells. Journal of Biological Chemistry, 1995, 270, 10161-10170.	1.6	32
138	APC and Smad7 link TGFÎ² type I receptors to the microtubule system to promote cell migration. Molecular Biology of the Cell, 2012, 23, 2109-2121.	0.9	32
139	Genomeâ€“wide binding of transcription factor ZEB1 in tripleâ€negative breast cancer cells. Journal of Cellular Physiology, 2018, 233, 7113-7127.	2.0	32
140	Platelet-derived growth factor-induced Akt phosphorylation requires mTOR/Rictor and phospholipase C-Î³1, whereas S6 phosphorylation depends on mTOR/Raptor and phospholipase D. Cell Communication and Signaling, 2013, 11, 3.	2.7	31
141	c-Jun N-terminal Kinase Is Necessary for Platelet-derived Growth Factor-mediated Chemotaxis in Primary Fibroblasts. Journal of Biological Chemistry, 2006, 281, 22173-22179.	1.6	30
142	TGF-Î² uses the E3-ligase TRAF6 to turn on the kinase TAK1 to kill prostate cancer cells. Future Oncology, 2009, 5, 1-3.	1.1	30
143	The Ubiquitin Ligases c-Cbl and Cbl-b Negatively Regulate Platelet-derived Growth Factor (PDGF) BB-induced Chemotaxis by Affecting PDGF Receptor Î² (PDGFRÎ²) Internalization and Signaling. Journal of Biological Chemistry, 2016, 291, 11608-11618.	1.6	30
144	The Fer Tyrosine Kinase Is Important for Platelet-derived Growth Factor-BB-induced Signal Transducer and Activator of Transcription 3 (STAT3) Protein Phosphorylation, Colony Formation in Soft Agar, and Tumor Growth in Vivo. Journal of Biological Chemistry, 2013, 288, 15736-15744.	1.6	29

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145	High levels of serum hyaluronan is an early predictor of dengue warning signs and perturbs vascular integrity. EBioMedicine, 2019, 48, 425-441.	2.7	29
146	Platelet-derived growth factorâ€"an introduction. Cytokine and Growth Factor Reviews, 2004, 15, 195-196.	3.2	28
147	APPL proteins promote TGFÎ²-induced nuclear transport of the TGFÎ² type I receptor intracellular domain. Oncotarget, 2016, 7, 279-292.	0.8	28
148	The TGFB2-AS1 lncRNA Regulates TGF-Î² Signaling by Modulating Corepressor Activity. Cell Reports, 2019, 28, 3182-3198.e11.	2.9	26
149	CIN85 modulates TGFÎ² signaling by promoting the presentation of TGFÎ² receptors on the cell surface. Journal of Cell Biology, 2015, 210, 319-332.	2.3	25
150	The ALK-1/SMAD/ATOH8 axis attenuates hypoxic responses and protects against the development of pulmonary arterial hypertension. Science Signaling, 2019, 12, .	1.6	24
151	Involvement of Loop 2 of Platelet-Derived Growth Faetor-AA and-BB in Receptor Binding. Growth Factors, 1995, 12, 159-164.	0.5	23
152	A Gain of Function Mutation in the Activation Loop of Plateletderived Growth Factor Î²-Receptor Deregulates Its Kinase Activity. Journal of Biological Chemistry, 2004, 279, 42516-42527.	1.6	23
153	Histidine-domain-containing protein tyrosine phosphatase regulates platelet-derived growth factor receptor intracellular sorting and degradation. Cellular Signalling, 2015, 27, 2209-2219.	1.7	23
154	PDGFRÎ² translocates to the nucleus and regulates chromatin remodeling via TATA elementâ€"modifying factor 1. Journal of Cell Biology, 2018, 217, 1701-1717.	2.3	23
155	Genomewide binding of transcription factor Snail1 in tripleâ€negative breast cancer cells. Molecular Oncology, 2018, 12, 1153-1174.	2.1	22
156	BMP signaling is a therapeutic target in ovarian cancer. Cell Death Discovery, 2020, 6, 139.	2.0	22
157	Smad7 Enhances TGF-Î²-Induced Transcription of c-Jun and HDAC6 Promoting Invasion of Prostate Cancer Cells. IScience, 2020, 23, 101470.	1.9	22
158	Development and possible clinical use of antagonists for PDGF and TGF-Î². Upsala Journal of Medical Sciences, 2004, 109, 165-178.	0.4	20
159	Transforming growth factor Î² (TGFÎ²) induces NUAK kinase expression to fine-tune its signaling output. Journal of Biological Chemistry, 2019, 294, 4119-4136.	1.6	20
160	The noncoding MIR100HG RNA enhances the autocrine function of transforming growth factor Î² signaling. Oncogene, 2021, 40, 3748-3765.	2.6	18
161	Pro-invasive properties of Snail1 are regulated by sumoylation in response to TGFÎ² stimulation in cancer. Oncotarget, 2017, 8, 97703-97726.	0.8	18
162	Role of Immunoglobulin-like Domains 2â€"4 of the Platelet-derived Growth Factor Î±-Receptor in Ligand-Receptor Complex Assembly. Journal of Biological Chemistry, 1998, 273, 25495-25502.	1.6	17

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163	Platelet-derived growth factor receptor-Î², carrying the activating mutation D849N, accelerates the establishment of B16 melanoma. BMC Cancer, 2007, 7, 224.	1.1	17
164	The protein kinase LKB1 negatively regulates bone morphogenetic protein receptor signaling. Oncotarget, 2016, 7, 1120-1143.	0.8	17
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