# Carl-Henrik Heldin

List of Publications by Year
in descending order



| | | 6613 | 3106 |
|---|---|---|---|
| 204 | 36,087 | 79 | 187 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 207 | 207 | 207 | 32296 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | TGF-Î² signalling from cell membrane to nucleus through SMAD proteins. Nature, 1997, 390, 465-471. | 27.8 | 3,514 |
| 2 | Mechanism of Action and In Vivo Role of Platelet-Derived Growth Factor. Physiological Reviews, 1999, 79, 1283-1316. | 28.8 | 2,141 |
| 3 | High interstitial fluid pressure â€" an obstacle in cancer therapy. Nature Reviews Cancer, 2004, 4, 806-813. | 28.4 | 1,814 |
| 4 | Identification of Smad7, a TGFÎ²-inducible antagonist of TGF-Î² signalling. Nature, 1997, 389, 631-635. | 27.8 | 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. | 27.8 | 1,629 |
| 6 | Dimerization of cell surface receptors in signal transduction. Cell, 1995, 80, 213-223. | 28.9 | 1,571 |
| 7 | Non-Smad TGF-Î² signals. Journal of Cell Science, 2005, 118, 3573-3584. | 2.0 | 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. | 27.8 | 778 |
| 9 | Signaling networks guiding epithelialâ€"mesenchymal transitions during embryogenesis and cancer progression. Cancer Science, 2007, 98, 1512-1520. | 3.9 | 722 |
| 10 | The regulation of TGFÎ² signal transduction. Development (Cambridge), 2009, 136, 3699-3714. | 2.5 | 716 |
| 11 | Stimulation of tyrosine-specific phosphorylation by platelet-derived growth factor. Nature, 1982, 295, 419-420. | 27.8 | 706 |
| 12 | Mechanism of TGF-Î² signaling to growth arrest, apoptosis, and epithelialâ€"mesenchymal transition. Current Opinion in Cell Biology, 2009, 21, 166-176. | 5.4 | 587 |
| 13 | PDGF-C is a new protease-activated ligand for the PDGF Î±-receptor. Nature Cell Biology, 2000, 2, 302-309. | 10.3 | 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. | 2.1 | 530 |
| 15 | PDGF-D is a specific, protease-activated ligand for the PDGF Î²-receptor. Nature Cell Biology, 2001, 3, 512-516. | 10.3 | 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. | 10.3 | 482 |
| 17 | Signaling Receptors for TGF-Î² Family Members. Cold Spring Harbor Perspectives in Biology, 2016, 8, a022053. | 5.5 | 480 |
| 18 | Transforming growth factor-Î² employs HMGA2 to elicit epithelialâ€"mesenchymal transition. Journal of Cell Biology, 2006, 174, 175-183. | 5.2 | 457 |

| # | Article | IF | Citations |
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| 19 | PDGF receptors as cancer drug targets. Cancer Cell, 2003, 3, 439-443. | 16.8 | 449 |
| 20 | Regulation of EMT by TGFÎ² in cancer. FEBS Letters, 2012, 586, 1959-1970. | 2.8 | 435 |
| 21 | Targeting the PDGF signaling pathway in tumor treatment. Cell Communication and Signaling, 2013, 11, 97. | 6.5 | 410 |
| 22 | Inhibitory DNA Ligands to Platelet-Derived Growth Factor B-Chain. Biochemistry, 1996, 35, 14413-14424. | 2.5 | 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. | 2.1 | 382 |
| 24 | Signal transduction via platelet-derived growth factor receptors. Biochimica Et Biophysica Acta: Reviews on Cancer, 1998, 1378, F79-F113. | 7.4 | 376 |
| 25 | Inhibition of PDGF receptor signaling in tumor stroma enhances antitumor effect of chemotherapy. Cancer Research, 2002, 62, 5476-84. | 0.9 | 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. | 2.8 | 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. | 3.4 | 345 |
| 28 | Signaling inputs converge on nuclear effectors in TGF-Î² signaling. Trends in Biochemical Sciences, 2000, 25, 64-70. | 7.5 | 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. | 28.9 | 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. | 2.3 | 318 |
| 31 | Control of Smad7 Stability by Competition between Acetylation and Ubiquitination. Molecular Cell, 2002, 10, 483-493. | 9.7 | 313 |
| 32 | HMGA2 and Smads Co-regulate SNAIL1 Expression during Induction of Epithelial-to-Mesenchymal Transition. Journal of Biological Chemistry, 2008, 283, 33437-33446. | 3.4 | 310 |
| 33 | Role of Smads in TGFÎ² signaling. Cell and Tissue Research, 2012, 347, 21-36. | 2.9 | 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. | 28.9 | 260 |
| 35 | Platelet-Derived Growth Factor is AngiogenicIn Vivo. Growth Factors, 1992, 7, 261-266. | 1.7 | 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. | 28.9 | 233 |

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| 37 | Possible positive autocrine feedback in the prereplicative phase of human fibroblasts. Nature, 1987, 328, 715-717. | 27.8 | 224 |
| 38 | Transforming Growth Factor Î²1 Induces Nuclear Export of Inhibitory Smad7. Journal of Biological Chemistry, 1998, 273, 29195-29201. | 3.4 | 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. | 3.8 | 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. | 2.1 | 213 |
| 41 | Mechanisms of TGFÎ²-Induced Epithelialâ€“Mesenchymal Transition. Journal of Clinical Medicine, 2016, 5, 63. | 2.4 | 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. | 4.1 | 190 |
| 43 | Antibodies against platelet-derived growth factor inhibit acute transformation by simian sarcoma virus. Nature, 1985, 317, 438-440. | 27.8 | 190 |
| 44 | New Members of the Platelet-Derived Growth Factor Family of Mitogens. Archives of Biochemistry and Biophysics, 2002, 398, 284-290. | 3.0 | 190 |
| 45 | PDGF Receptors as Targets in Tumor Treatment. Advances in Cancer Research, 2007, 97, 247-274. | 5.0 | 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. | 14.5 | 186 |
| 47 | Involvement of platelet-derived growth factor in disease: development of specific antagonists. Advances in Cancer Research, 2001, 80, 1-38. | 5.0 | 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. | 0.9 | 174 |
| 49 | Regulation of Smad signaling by protein kinase C. FASEB Journal, 2001, 15, 553-555. | 0.5 | 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. | 2.1 | 163 |
| 51 | TRAF6 ubiquitinates TGFÎ² type I receptor to promote its cleavage and nuclear translocation in cancer. Nature Communications, 2011, 2, 330. | 12.8 | 157 |
| 52 | TGF-Î² promotes PI3K-AKT signaling and prostate cancer cell migration through the TRAF6-mediated ubiquitylation of p85Î±. Science Signaling, 2017, 10, . | 3.6 | 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. | 2.3 | 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. | 8.2 | 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. | 2.0 | 142 |
| 56 | Rat Brain Capillary Endothelial Cells Express Functional PDGF B-Type Receptors. Growth Factors, 1989, 2, 1-8. | 1.7 | 142 |
| 57 | Mechanisms of platelet-derived growth factor-induced chemotaxis. International Journal of Cancer, 2001, 91, 757-762. | 5.1 | 140 |
| 58 | The Balance between Acetylation and Deacetylation Controls Smad7 Stability. Journal of Biological Chemistry, 2005, 280, 21797-21803. | 3.4 | 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. | 5.2 | 126 |
| 61 | Induction of epithelialâ€“mesenchymal transition by transforming growth factor Î². Seminars in Cancer Biology, 2012, 22, 446-454. | 9.6 | 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. | 1.7 | 121 |
| 63 | Interaction between Smad7 and Î²-Catenin: Importance for Transforming Growth Factor Î²-Induced Apoptosis. Molecular and Cellular Biology, 2005, 25, 1475-1488. | 2.3 | 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. | 2.9 | 120 |
| 65 | PARP-1 Attenuates Smad-Mediated Transcription. Molecular Cell, 2010, 40, 521-532. | 9.7 | 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. | 5.5 | 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. | 2.6 | 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. | 3.4 | 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. | 3.7 | 107 |
| 70 | The DNA Binding Activities of Smad2 and Smad3 Are Regulated by Coactivator-mediated Acetylation. Journal of Biological Chemistry, 2006, 281, 39870-39880. | 3.4 | 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. | 7.0 | 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. | 2.0 | 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. | 3.4 | 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. | 4.1 | 93 |
| 75 | Dynamic control of TGFâ€Î²2 signaling and its links to the cytoskeleton. FEBS Letters, 2008, 582, 2051-2065. | 2.8 | 92 |
| 76 | Differential Ubiquitination Defines the Functional Status of the Tumor Suppressor Smad4. Journal of Biological Chemistry, 2003, 278, 33571-33582. | 3.4 | 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. | 2.3 | 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. | 3.4 | 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. | 5.9 | 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. | 1.4 | 78 |
| 82 | The Mechanism of Nuclear Export of Smad3 Involves Exportin 4 and Ran. Molecular and Cellular Biology, 2006, 26, 1318-1332. | 2.3 | 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. | 4.1 | 77 |
| 84 | JUNB governs a feed-forward network of TGFÎ²2 signaling that aggravates breast cancer invasion. Nucleic Acids Research, 2018, 46, 1180-1195. | 14.5 | 77 |
| 85 | Functional Characterization of Germline Mutations in PDGFB and PDGFRB in Primary Familial Brain Calcification. PLoS ONE, 2015, 10, e0143407. | 2.5 | 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. | 3.4 | 73 |
| 87 | TGFÎ²2 induces SIK to negatively regulate type I receptor kinase signaling. Journal of Cell Biology, 2008, 182, 655-662. | 5.2 | 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. | 14.5 | 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. | 3.4 | 67 |
| 90 | Targeting PDGFâ€mediated recruitment of pericytes blocks vascular mimicry and tumor growth. Journal of Pathology, 2018, 246, 447-458. | 4.5 | 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. | 5.9 | 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. | 2.4 | 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. | 3.4 | 66 |
| 94 | Bone morphogenetic protein receptors: Structure, function and targeting by selective small molecule kinase inhibitors. Bone, 2020, 138, 115472. | 2.9 | 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. | 5.1 | 63 |
| 96 | Autocrine PDGF stimulation in malignancies. Upsala Journal of Medical Sciences, 2012, 117, 83-91. | 0.9 | 62 |
| 97 | Increased mitogenicity of an Î±Î² heterodimeric PDGF receptor complex correlates with lack of RasGAP binding. Oncogene, 1999, 18, 2481-2488. | 5.9 | 61 |
| 98 | 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 |
| 99 | TRAF6 Stimulates the Tumor-Promoting Effects of TGFÎ² Type I Receptor Through Polyubiquitination and Activation of Presenilin 1. Science Signaling, 2014, 7, ra2. | 3.6 | 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. | 3.4 | 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. | 2.6 | 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, . | 3.6 | 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. | 3.4 | 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. | 3.4 | 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. | 2.6 | 52 |
| 106 | TGFÎ²1-Induced Activation of ATM and p53 Mediates Apoptosis in a Smad7-Dependent Manner. Cell Cycle, 2006, 5, 2787-2795. | 2.6 | 52 |
| 107 | TGFÎ² and EGF signaling orchestrates the AP-1- and p63 transcriptional regulation of breast cancer invasiveness. Oncogene, 2020, 39, 4436-4449. | 5.9 | 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. | 5.9 | 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. | 3.4 | 50 |
| 110 | Negative Regulation of TGFÎ² Signaling by the Kinase LKB1 and the Scaffolding Protein LIP1. Journal of Biological Chemistry, 2011, 286, 341-353. | 3.4 | 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. | 2.1 | 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. | 2.1 | 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. | 2.1 | 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. | 3.4 | 47 |
| 116 | Platelet-Specific PDGFB Ablation Impairs Tumor Vessel Integrity and Promotes Metastasis. Cancer Research, 2020, 80, 3345-3358. | 0.9 | 47 |
| 117 | Snail regulates BMP and TGFÎ² pathways to control the differentiation status of glioma-initiating cells. Oncogene, 2018, 37, 2515-2531. | 5.9 | 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. | 3.4 | 45 |
| 119 | Targeting the PDGF Signaling Pathway in the Treatment of Non-Malignant Diseases. Journal of NeuroImmune Pharmacology, 2014, 9, 69-79. | 4.1 | 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. | 3.4 | 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. | 2.6 | 44 |
| 122 | Involvement of hyaluronan and CD44 in cancer and viral infections. Cellular Signalling, 2020, 65, 109427. | 3.6 | 44 |
| 123 | Ligand-induced recruitment of Na+/H+-exchanger regulatory factor to the PDGF (platelet-derived) Tj ETQq1 1 0.784314 rgBT /Overloc<br>2003, 376, 505-510. | 3.7 | 43 |
| 124 | Has2 natural antisense RNA and Hmga2 promote Has2 expression during TGFÎ²-induced EMT in breast cancer. Matrix Biology, 2019, 80, 29-45. | 3.6 | 43 |
| 125 | Intracellular trafficking of transforming growth factor β receptors. Acta Biochimica Et Biophysica Sinica, 2018, 50, 3-11. | 2.0 | 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. | 2.5 | 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. | 3.4 | 37 |
| 128 | p53 regulates epithelialâ€“mesenchymal transition induced by transforming growth factor Î². Journal of Cellular Physiology, 2013, 228, 801-813. | 4.1 | 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. | 3.4 | 36 |
| 130 | Dynamin Inhibitors Impair Endocytosis and Mitogenic Signaling of <scp>PDGF</scp>. Traffic, 2013, 14, 725-736. | 2.7 | 36 |
| 131 | Signal Transduction: Multiple Pathways, Multiple Options for Therapy. Stem Cells, 2001, 19, 295-303. | 3.2 | 35 |
| 132 | Gab1 Contributes to Cytoskeletal Reorganization and Chemotaxis in Response to Platelet-derived Growth Factor. Journal of Biological Chemistry, 2004, 279, 17897-17904. | 3.4 | 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. | 10.0 | 35 |
| 134 | Snail mediates crosstalk between TGFÎ² and LXRÎ± in hepatocellular carcinoma. Cell Death and Differentiation, 2018, 25, 885-903. | 11.2 | 34 |
| 135 | Ras and TGF-Î² signaling enhance cancer progression by promoting the Î”Np63 transcriptional program. Science Signaling, 2016, 9, ra84. | 3.6 | 33 |
| 136 | LXRÎ± limits TGFÎ²-dependent hepatocellular carcinoma associated fibroblast differentiation. Oncogenesis, 2019, 8, 36. | 4.9 | 33 |
| 137 | Compartmentalization of Autocrine Signal Transduction Pathways in Sis-transformed NIH 3T3 Cells. Journal of Biological Chemistry, 1995, 270, 10161-10170. | 3.4 | 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. | 2.1 | 32 |
| 139 | Genomeâ€“wide binding of transcription factor ZEB1 in tripleâ€negative breast cancer cells. Journal of Cellular Physiology, 2018, 233, 7113-7127. | 4.1 | 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. | 6.5 | 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. | 3.4 | 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. | 2.4 | 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. | 3.4 | 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. | 3.4 | 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. | 6.1 | 29 |
| 146 | Platelet-derived growth factorâ€"an introduction. Cytokine and Growth Factor Reviews, 2004, 15, 195-196. | 7.2 | 28 |
| 147 | APPL proteins promote TGFÎ²-induced nuclear transport of the TGFÎ² type I receptor intracellular domain. Oncotarget, 2016, 7, 279-292. | 1.8 | 28 |
| 148 | The TGFB2-AS1 lncRNA Regulates TGF-Î² Signaling by Modulating Corepressor Activity. Cell Reports, 2019, 28, 3182-3198.e11. | 6.4 | 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. | 5.2 | 25 |
| 150 | The ALK-1/SMAD/ATOH8 axis attenuates hypoxic responses and protects against the development of pulmonary arterial hypertension. Science Signaling, 2019, 12, . | 3.6 | 24 |
| 151 | Involvement of Loop 2 of Platelet-Derived Growth Faetor-AA and-BB in Receptor Binding. Growth Factors, 1995, 12, 159-164. | 1.7 | 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. | 3.4 | 23 |
| 153 | Histidine-domain-containing protein tyrosine phosphatase regulates platelet-derived growth factor receptor intracellular sorting and degradation. Cellular Signalling, 2015, 27, 2209-2219. | 3.6 | 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. | 5.2 | 23 |
| 155 | Genomewide binding of transcription factor Snail1 in tripleâ€negative breast cancer cells. Molecular Oncology, 2018, 12, 1153-1174. | 4.6 | 22 |
| 156 | BMP signaling is a therapeutic target in ovarian cancer. Cell Death Discovery, 2020, 6, 139. | 4.7 | 22 |
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