Hong-Jian Zhu

List of Publications by Year
in descending order

79 papers	6,981 citations	76294 40 h-index	64755 79 g-index
79 all docs	79 docs citations	79 times ranked	11254 citing authors

#	Article	IF	Citations
1	Fast Quantitation of TGF-Î² Signaling Using Adenoviral Reporter. Methods in Molecular Biology, 2022, 2488, 13-22.	0.4	4
2	Transglutaminaseâ€2, RNAâ€binding proteins and mitochondrial proteins selectively traffic to MDCK cellâ€derived microvesicles following Hâ€Rasâ€induced epithelialâ€“mesenchymal transition. Proteomics, 2021, 21, 2000221.	1.3	5
3	CSK-homologous kinase (CHK/MATK) is a potential colorectal cancer tumour suppressor gene epigenetically silenced by promoter methylation. Oncogene, 2021, 40, 3015-3029.	2.6	13
4	Cancer associated-fibroblast-derived exosomes in cancer progression. Molecular Cancer, 2021, 20, 154.	7.9	116
5	Deubiquitinase Activity Profiling Identifies UCHL1 as a Candidate Oncoprotein That Promotes TGFÎ²-Induced Breast Cancer Metastasis. Clinical Cancer Research, 2020, 26, 1460-1473.	3.2	92
6	USP26 regulates TGFâ€Î² signalling by deubiquitinating and stabilizing SMAD7; not applicable in glioblastoma. EMBO Reports, 2020, 21, e47030.	2.0	4
7	Reactivation of BMP signaling by suboptimal concentrations of MEK inhibitor and FK506 reduces organ-specific breast cancer metastasis. Cancer Letters, 2020, 493, 41-54.	3.2	17
8	Therapeutic Reversal of Radiotherapy Injury to Pro-fibrotic Dysfunctional Fibroblasts In Vitro Using Adipose-derived Stem Cells. Plastic and Reconstructive Surgery - Global Open, 2020, 8, e2706.	0.3	6
9	On-Target Anti-TGF-Î² Therapies Are Not Succeeding in Clinical Cancer Treatments: What Are Remaining Challenges?. Frontiers in Cell and Developmental Biology, 2020, 8, 605.	1.8	127
10	Petchiether A attenuates obstructive nephropathy by suppressing TGFâ€Î²/Smad3 and NFâ€ÎºB signalling. Journal of Cellular and Molecular Medicine, 2019, 23, 5576-5587.	1.6	25
11	Ras enhances TGF-Î² signaling by decreasing cellular protein levels of its type II receptor negative regulator SPSB1. Cell Communication and Signaling, 2018, 16, 10.	2.7	14
12	Ponatinib Inhibits Multiple Signaling Pathways Involved in STAT3 Signaling and Attenuates Colorectal Tumor Growth. Cancers, 2018, 10, 526.	1.7	15
13	Live Cell Imaging of the TGF- β/Smad3 Signaling Pathway In Vitro and In Vivo Using an Adenovirus Reporter System. Journal of Visualized Experiments, 2018, , .	0.2	5
14	Extracellular vesicles: their role in cancer biology and epithelialâ€“mesenchymal transition. Biochemical Journal, 2017, 474, 21-45.	1.7	81
15	TGF-Î² and IL-6 family signalling crosstalk: an integrated model. Growth Factors, 2017, 35, 100-124.	0.5	7
16	Mathematical model of TGF-Î²signalling: feedback coupling is consistent with signal switching. BMC Systems Biology, 2017, 11, 48.	3.0	18
17	The emergent role of exosomes in glioma. Journal of Clinical Neuroscience, 2017, 35, 13-23.	0.8	115
18	Csk-homologous kinase (Chk) is an efficient inhibitor of Src-family kinases but a poor catalyst of phosphorylation of their C-terminal regulatory tyrosine. Cell Communication and Signaling, 2017, 15, 29.	2.7	10

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19	Extracellular vesicle isolation and characterization: toward clinical application. Journal of Clinical Investigation, 2016, 126, 1152-1162.	3.9	667
20	Transformed MDCK cells secrete elevated MMP1 that generates LAMA5 fragments promoting endothelial cell angiogenesis. Scientific Reports, 2016, 6, 28321.	1.6	26
21	Oncogenic epithelial cell-derived exosomes containing Rac1 and PAK2 induce angiogenesis in recipient endothelial cells. Oncotarget, 2016, 7, 19709-19722.	0.8	56
22	Single live cell TGF-Î² signalling imaging: breast cancer cell motility and migration is driven by sub-populations of cells with dynamic TGF-Î²-Smad3 activity. Molecular Cancer, 2015, 14, 50.	7.9	18
23	The immune suppressive function of transforming growth factor-Î² (TGF-Î²) in human diseases. Growth Factors, 2015, 33, 92-101.	0.5	61
24	Emerging roles of exosomes during epithelialâ€“mesenchymal transition and cancer progression. Seminars in Cell and Developmental Biology, 2015, 40, 60-71.	2.3	190
25	SPSB1, a Novel Negative Regulator of the Transforming Growth Factor-Î² Signaling Pathway Targeting the Type II Receptor. Journal of Biological Chemistry, 2015, 290, 17894-17908.	1.6	32
26	The C-terminal tail inhibitory phosphorylation sites of PTEN regulate its intrinsic catalytic activity and the kinetics of its binding to phosphatidylinositol-4,5-bisphosphate. Archives of Biochemistry and Biophysics, 2015, 587, 48-60.	1.4	8
27	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. Oncotarget, 2015, 6, 13718-13730.	0.8	66
28	Anti-EGFR therapeutic efficacy correlates directly with inhibition of STAT3 activity. Cancer Biology and Therapy, 2014, 15, 623-632.	1.5	27
29	Nuclear receptor NR4A1 promotes breast cancer invasion and metastasis by activating TGF-Î² signalling. Nature Communications, 2014, 5, 3388.	5.8	156
30	Retrograde, Antegrade, and Laparoscopic Approaches to the Management of Large Upper Ureteral Stones After Shockwave Lithotripsy Failure: A Four-Year Retrospective Study. Journal of Endourology, 2014, 28, 100-103.	1.1	24
31	Betaglycan blocks metastatic behaviors in human granulosa cell tumors by suppressing NFÎºB-mediated induction of MMP2. Cancer Letters, 2014, 354, 107-114.	3.2	20
32	Inhibition of the JAK2/STAT3 pathway in ovarian cancer results in the loss of cancer stem cell-like characteristics and a reduced tumor burden. BMC Cancer, 2014, 14, 317.	1.1	105
33	Short-term single treatment of chemotherapy results in the enrichment of ovarian cancer stem cell-like cells leading to an increased tumor burden. Molecular Cancer, 2013, 12, 24.	7.9	179
34	Proteome profiling of exosomes derived from human primary and metastatic colorectal cancer cells reveal differential expression of key metastatic factors and signal transduction components. Proteomics, 2013, 13, 1672-1686.	1.3	296
35	<i>SMAD2</i>, <i>SMAD3</i> and <i>SMAD4</i> Mutations in Colorectal Cancer. Cancer Research, 2013, 73, 725-735.	0.4	260
36	Oncogenic H-Ras Reprograms Madin-Darby Canine Kidney (MDCK) Cell-derived Exosomal Proteins Following Epithelial-Mesenchymal Transition. Molecular and Cellular Proteomics, 2013, 12, 2148-2159.	2.5	167

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37	Laparoscopic Pyeloplasty: A Comparison between the Transperitoneal and Retroperitoneal Approach during the Learning Curve. Urologia Internationalis, 2013, 90, 130-135.	0.6	18
38	TCPTP Regulates SFK and STAT3 Signaling and Is Lost in Triple-Negative Breast Cancers. Molecular and Cellular Biology, 2013, 33, 557-570.	1.1	80
39	Targeting Stat3 and Smad7 to restore TGF-Î² cytostatic regulation of tumor cells in vitro and in vivo. Oncogene, 2013, 32, 2433-2441.	2.6	72
40	Dynamin II function is required for EGF-mediated Stat3 activation but not Erk1/2 phosphorylation. Growth Factors, 2012, 30, 220-229.	0.5	9
41	Isolation and Characterization of Tumor Cells from the Ascites of Ovarian Cancer Patients: Molecular Phenotype of Chemoresistant Ovarian Tumors. PLoS ONE, 2012, 7, e46858.	1.1	188
42	Genetic partitioning of interleukinâ€6 signalling in mice dissociates Stat3 from Smad3â€mediated lung fibrosis. EMBO Molecular Medicine, 2012, 4, 939-951.	3.3	128
43	Ureteroscopic treatment of urological calculi under sacral block anesthesia. Urological Research, 2012, 40, 361-363.	1.5	4
44	Defining the Substrate Specificity Determinants Recognized by the Active Site of C-Terminal Src Kinase-Homologous Kinase (CHK) and Identification of Î²-Synuclein as a Potential CHK Physiological Substrate. Biochemistry, 2011, 50, 6667-6677.	1.2	16
45	Tandem application of cationic colloidal silica and Triton Xâ€114 for plasma membrane protein isolation and purification: Towards developing an MDCK protein database. Proteomics, 2011, 11, 1238-1253.	1.3	12
46	New reagents for improved<i>in vitro</i>and<i>in vivo</i>examination of TGF-Î² signalling. Growth Factors, 2011, 29, 211-218.	0.5	15
47	Regulation and Function of Protein Kinases and Phosphatases. Enzyme Research, 2011, 2011, 1-3.	1.8	89
48	Proteomics Profiling of Madin-Darby Canine Kidney Plasma Membranes Reveals Wnt-5a Involvement during Oncogenic H-Ras/TGF-Î²-mediated Epithelial-Mesenchymal Transition. Molecular and Cellular Proteomics, 2011, 10, S1-S15.	2.5	47
49	Cell division autoantigen 1 enhances signaling and the profibrotic effects of transforming growth factor-Î² in diabetic nephropathy. Kidney International, 2011, 79, 199-209.	2.6	25
50	Unique biochemical properties of the protein tyrosine phosphatase activity of PTENâ€"Demonstration of different active site structural requirements for phosphopeptide and phospholipid phosphatase activities of PTEN. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1785-1795.	1.1	20
51	Extracellular Remodelling During Oncogenic Ras-Induced Epithelial-Mesenchymal Transition Facilitates MDCK Cell Migration. Journal of Proteome Research, 2010, 9, 1007-1019.	1.8	54
52	Perturbation of the CD4 T Cell Compartment and Expansion of Regulatory T Cells in Autoimmune-Prone Lyn-Deficient Mice. Journal of Immunology, 2009, 183, 2484-2494.	0.4	17
53	Secretome-Based Proteomic Profiling of Ras-Transformed MDCK Cells Reveals Extracellular Modulators of Epithelial-Mesenchymal Transition. Journal of Proteome Research, 2009, 8, 2827-2837.	1.8	66
54	Difference gel electrophoresis analysis of Rasâ€transformed fibroblast cellâ€derived exosomes. Electrophoresis, 2008, 29, 2660-2671.	1.3	62

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55	Transforming growth factor-beta (TGF-Î²) and brain tumours. Journal of Clinical Neuroscience, 2008, 15, 845-855.	0.8	36
56	Tumor-associated EGFR over-expression specifically activates Stat3 and Smad7 resulting in desensitization of TGF-Î² signaling. Nature Precedings, 2008, , .	0.1	2
57	Expression, generation, and purification of unphosphorylated and phospho-Ser-380/Thr-382/Thr-383 form of recombinant PTEN phosphatase. Protein Expression and Purification, 2007, 55, 334-342.	0.6	4
58	Signal therapy of human pancreatic cancer and NF1-deficient breast cancer xenograft in mice by a combination of PP1 and GL-2003, anti-PAK1 drugs (Tyr-kinase inhibitors). Cancer Letters, 2007, 245, 242-251.	3.2	35
59	Analysis of Ras-induced oncogenic transformation of NIH-3T3 cells using differential-display 2-DE proteomics. Electrophoresis, 2007, 28, 1997-2008.	1.3	22
60	PTEN catalysis of phospholipid dephosphorylation reaction follows a two-step mechanism in which the conserved aspartate-92 does not function as the general acid â€" Mechanistic analysis of a familial Cowden disease-associated PTEN mutation. Cellular Signalling, 2007, 19, 1434-1445.	1.7	30
61	Hyperactivation of Stat3 in gp130 mutant mice promotes gastric hyperproliferation and desensitizes TGF-Î² signaling. Nature Medicine, 2005, 11, 845-852.	15.2	284
62	Role of ERK1/2 and p38 Mitogen-Activated Protein Kinases in the Regulation of Thrombospondin-1 by TGF-Î²1 in Rat Proximal Tubular Cells and Mouse Fibroblasts. Journal of the American Society of Nephrology: JASN, 2005, 16, 899-904.	3.0	60
63	A Novel Non-catalytic Mechanism Employed by the C-terminal Src-homologous Kinase to Inhibit Src-family Kinase Activity. Journal of Biological Chemistry, 2004, 279, 20752-20766.	1.6	52
64	CR1/CR2 Interactions Modulate the Functions of the Cell Surface Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2004, 279, 22387-22398.	1.6	75
65	Advanced glycation end products activate Smad signaling via TGFâ€Î²â€dependent and â€independent mechanisms: implications for diabetic renal and vascular disease. FASEB Journal, 2004, 18, 176-178.	0.2	241
66	TGF-Î² induces proangiogenic and antiangiogenic factorsvia parallel but distinct Smad pathways1. Kidney International, 2004, 66, 605-613.	2.6	140
67	The tumor-specific de2â€"7 epidermal growth factor receptor (EGFR) promotes cells survival and heterodimerizes with the wild-type EGFR. Oncogene, 2004, 23, 6095-6104.	2.6	80
68	Lactacystin-induced apoptosis of cultured mouse cortical neurons is associated with accumulation of PTEN in the detergent-resistant membrane fraction. Cellular and Molecular Life Sciences, 2004, 61, 1926-1934.	2.4	29
69	Role of TGF-Î² signaling in extracellular matrix production under high glucose conditions. Kidney International, 2003, 63, 2010-2019.	2.6	138
70	Heart and Liver Defects and Reduced Transforming Growth Factor Î²2 Sensitivity in Transforming Growth Factor Î² Type III Receptor-Deficient Embryos. Molecular and Cellular Biology, 2003, 23, 4371-4385.	1.1	230
71	Inhibition of Renal Fibrosis by Gene Transfer of Inducible Smad7 Using Ultrasound-Microbubble System in Rat UUO Model. Journal of the American Society of Nephrology: JASN, 2003, 14, 1535-1548.	3.0	334
72	Epidermal Growth Factor Receptor: Association of Extracellular Domain Negatively Regulates Intracellular Kinase Activation in the Absence of Ligand. Growth Factors, 2003, 21, 15-30.	0.5	41

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73	Smad7 Inhibits Fibrotic Effect of TGF-Î² on Renal Tubular Epithelial Cells by Blocking Smad2 Activation. Journal of the American Society of Nephrology: JASN, 2002, 13, 1464-1472.	3.0	231
74	Crystal Structure of a Truncated Epidermal Growth Factor Receptor Extracellular Domain Bound to Transforming Growth Factor Î±. Cell, 2002, 110, 763-773.	13.5	686
75	Regulation of Transforming Growth Factor-Î² Signaling. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 2001, 4, 321-330.	1.7	88
76	Platelet-derived Growth Factor Requires Epidermal Growth Factor Receptor to Activate p21-activated Kinase Family Kinases. Journal of Biological Chemistry, 2001, 276, 26741-26744.	1.6	45
77	Smad7 Differentially Regulates Transforming Growth Factor Î²-mediated Signaling Pathways. Journal of Biological Chemistry, 1999, 274, 32258-32264.	1.6	83
78	A Pivotal Role for the Transmembrane Domain in Transforming Growth Factor-Î² Receptor Activation. Journal of Biological Chemistry, 1999, 274, 11773-11781.	1.6	38
79	Extracellular Domain of the Transforming Growth Factor-Î² Receptor Negatively Regulates Ligand-independent Receptor Activation. Journal of Biological Chemistry, 1999, 274, 29220-29227.	1.6	23