Xiaobo Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

79 papers	4,411 citations	136950 32 h-index	118850 62 g-index
79 all docs	79 docs citations	79 times ranked	6291 citing authors

#	Article	IF	Citations
1	TOX4, an insulin receptor-independent regulator of hepatic glucose production, is activated in diabetic liver. Cell Metabolism, 2022, 34, 158-170.e5.	16.2	13
2	Macrophages use apoptotic cell-derived methionine and DNMT3A during efferocytosis to promote tissue resolution. Nature Metabolism, 2022, 4, 444-457.	11.9	56
3	TAZ-induced Cybb contributes to liver tumor formation in non-alcoholic steatohepatitis. Journal of Hepatology, 2022, 76, 910-920.	3.7	27
4	ODC (Ornithine Decarboxylase)-Dependent Putrescine Synthesis Maintains MerTK (MER) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (T Biology, 2021, 41, e144-e159.	2.4	23
5	Deficiency of macrophage PHACTR1 impairs efferocytosis and promotes atherosclerotic plaque necrosis. Journal of Clinical Investigation, 2021, 131, .	8.2	31
6	Hepatocyte TLR4 triggers inter-hepatocyte Jagged1/Notch signaling to determine NASH-induced fibrosis. Science Translational Medicine, 2021, 13, .	12.4	49
7	Efferocytosis induces macrophage proliferation to help resolve tissue injury. Cell Metabolism, 2021, 33, 2445-2463.e8.	16.2	98
8	Macrophage MerTK Promotes Liver Fibrosis in Nonalcoholic Steatohepatitis. Cell Metabolism, 2020, 31, 406-421.e7.	16.2	141
9	Supracellular Actomyosin Mediates Cell-Cell Communication and Shapes Collective Migratory Morphology. IScience, 2020, 23, 101204.	4.1	18
10	siRNA nanoparticles targeting CaMKIIÎ³ in lesional macrophages improve atherosclerotic plaque stability in mice. Science Translational Medicine, 2020, 12, .	12.4	132
11	Macrophage Metabolism of Apoptotic Cell-Derived Arginine Promotes Continual Efferocytosis and Resolution of Injury. Cell Metabolism, 2020, 31, 518-533.e10.	16.2	235
12	Cholesterol Stabilizes TAZ in Hepatocytes to Promote Experimental Non-alcoholic Steatohepatitis. Cell Metabolism, 2020, 31, 969-986.e7.	16.2	117
13	A Cdc42-mediated supracellular network drives polarized forces and Drosophila egg chamber extension. Nature Communications, 2020, 11, 1921.	12.8	13
14	Interacting hepatic PAI-1/tPA gene regulatory pathways influence impaired fibrinolysis severity in obesity. Journal of Clinical Investigation, 2020, 130, 4348-4359.	8.2	20
15	Protein phosphatase 1 activity controls a balance between collective and single cell modes of migration. ELife, 2020, 9, .	6.0	20
16	Abstract B04: Hepatic cholesterol upregulates TAZ in nonalcoholic steatohepatitis. , 2020, , .		0
17	Abstract IA23: The role of hepatocyte TAZ in NASH and NASH-HCC. , 2020, , .		0
18	Liver cholesterol matters. Aging, 2020, 12, 19828-19829.	3.1	0

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19	MerTK, a risk factor for NASH fibrosis. Aging, 2020, 12, 19832-19833.	3.1	0
20	MerTK, a risk factor for NASH fibrosis. Aging, 2020, 12, 19832-19833.	3.1	0
21	Liver cholesterol matters. Aging, 2020, 12, 19828-19829.	3.1	0
22	A Therapeutic Silencing RNA Targeting Hepatocyte TAZ Prevents and Reverses Fibrosis in Nonalcoholic Steatohepatitis in Mice. Hepatology Communications, 2019, 3, 1221-1234.	4.3	36
23	Hepatocyte-derived exosomal MiR-194 activates PMVECs and promotes angiogenesis in hepatopulmonary syndrome. Cell Death and Disease, 2019, 10, 853.	6.3	16
24	Cyclooxygenase-2 regulates HPS patient serum induced-directional collective HPMVEC migration via PKC/Rac signaling pathway. Gene, 2019, 692, 176-184.	2.2	4
25	KrÃ¼ppel-like factor 6 (KLF6) mediates pulmonary angiogenesis in rat experimental hepatopulmonary syndrome and is aggravated by bone morphogenetic protein 9 (BMP9). Biology Open, 2019, 8, .	1.2	2
26	Loss of cell polarity regulated by PTEN/Cdc42 enrolled in the process of Hepatopulmonary Syndrome. Journal of Cellular and Molecular Medicine, 2019, 23, 5542-5552.	3.6	6
27	MiR145-5p inhibits proliferation of PMVECs via PAI-1 in experimental hepatopulmonary syndrome rat pulmonary microvascular hyperplasia. Biology Open, 2019, 8, .	1.2	3
28	An ATF6-tPA pathway in hepatocytes contributes to systemic fibrinolysis and is repressed by DACH1. Blood, 2019, 133, 743-753.	1.4	23
29	aPKC is a key polarity molecule coordinating the function of three distinct cell polarities during collective migration. Development (Cambridge), 2018, 145, .	2.5	36
30	A biochemical network controlling basal myosin oscillation. Nature Communications, 2018, 9, 1210.	12.8	28
31	Switching between individual and collective motility in B lymphocytes is controlled by cell-matrix adhesion and inter-cellular interactions. Scientific Reports, 2018, 8, 5800.	3.3	19
32	Hepatocyte Notch activation induces liver fibrosis in nonalcoholic steatohepatitis. Science Translational Medicine, 2018, 10, .	12.4	151
33	Myosin II governs collective cell migration behaviour downstream of guidance receptor signalling. Journal of Cell Science, 2017, 130, 97-103.	2.0	26
34	Non-autonomous role of Cdc42 in cell-cell communication during collective migration. Developmental Biology, 2017, 423, 12-18.	2.0	21
35	Cell-matrix adhesion and cell-cell adhesion differentially control basal myosin oscillation and Drosophila egg chamber elongation. Nature Communications, 2017, 8, 14708.	12.8	56
36	PKCÎ¸-induced phosphorylations control the ability of Fra-1 to stimulate gene expression and cancer cell migration. Cancer Letters, 2017, 385, 97-107.	7.2	21

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37	Cyclooxygenase-2 promotes pulmonary intravascular macrophage accumulation by exacerbating BMP signaling in rat experimental hepatopulmonary syndrome. Biochemical Pharmacology, 2017, 138, 205-215.	4.4	12
38	Inhibition of autophagy ameliorates pulmonary microvascular dilation and PMVECs excessive proliferation in rat experimental hepatopulmonary syndrome. Scientific Reports, 2016, 6, 30833.	3.3	10
39	Hepatocyte TAZ/WWTR1 Promotes Inflammation and Fibrosis in Nonalcoholic Steatohepatitis. Cell Metabolism, 2016, 24, 848-862.	16.2	279
40	A review of nonalcoholic fatty liver disease - genetics and animal models. Environmental Disease, 2016, 1, 51.	0.1	0
41	Ezrin Regulating the Cytoskeleton Remodeling is Required for Hypoxia-Induced Myofibroblast Proliferation and Migration. Frontiers in Cardiovascular Medicine, 2015, 2, 10.	2.4	13
42	C/EBP-Homologous Protein (CHOP) in Vascular Smooth Muscle Cells Regulates Their Proliferation in Aortic Explants and Atherosclerotic Lesions. Circulation Research, 2015, 116, 1736-1743.	4.5	49
43	Bone morphogenic protein-2 regulates the myogenic differentiation of PMVECs in CBDL rat serum-induced pulmonary microvascular remodeling. Experimental Cell Research, 2015, 336, 109-118.	2.6	11
44	Border Cell Migration: A Model System for Live Imaging and Genetic Analysis of Collective Cell Movement. Methods in Molecular Biology, 2015, 1328, 89-97.	0.9	37
45	The Transcription Factor TEAD1 Represses Smooth Muscle-specific Gene Expression by Abolishing Myocardin Function*. Journal of Biological Chemistry, 2014, 289, 3308-3316.	3.4	45
46	Mechanical Feedback through E-Cadherin Promotes Direction Sensing during Collective Cell Migration. Cell, 2014, 157, 1146-1159.	28.9	428
47	Deletion of Yes-Associated Protein (YAP) Specifically in Cardiac and Vascular Smooth Muscle Cells Reveals a Crucial Role for YAP in Mouse Cardiovascular Development. Circulation Research, 2014, 114, 957-965.	4.5	106
48	Rab11 regulates cellâ€“cell communication during collective cell movements. Nature Cell Biology, 2013, 15, 317-324.	10.3	136
49	The Induction of Yes-Associated Protein Expression After Arterial Injury Is Crucial for Smooth Muscle Phenotypic Modulation and Neointima Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2662-2669.	2.4	94
50	Epithelial-to-Mesenchymal Transition Induced by TGF-Î²1 Is Mediated by Blimp-1â€“Dependent Repression of BMP-5. Cancer Research, 2012, 72, 6268-6278.	0.9	88
51	SOX9 and myocardin counteract each other in regulating vascular smooth muscle cell differentiation. Biochemical and Biophysical Research Communications, 2012, 422, 285-290.	2.1	43
52	Light activated cell migration in synthetic extracellular matrices. Biomaterials, 2012, 33, 8040-8046.	11.4	26
53	MicroRNA-27a activity is not suppressed in porcine oocytes. Frontiers in Bioscience - Elite, 2012, E4, 2579-2585.	1.8	8
54	Cloning and expression analysis of piRNA-like RNAs: adult testis-specific small RNAs in chicken. Molecular and Cellular Biochemistry, 2012, 360, 347-352.	3.1	8

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55	Shining light on Drosophila oogenesis: live imaging of egg development. Current Opinion in Genetics and Development, 2011, 21, 612-619.	3.3	51
56	Spatiotemporal Control of Small GTPases with Light Using the LOV Domain. Methods in Enzymology, 2011, 497, 393-407.	1.0	49
57	Modulation of myocardin function by the ubiquitin E3 ligase UBR5.. Journal of Biological Chemistry, 2011, 286, 25416.	3.4	0
58	Transforming Growth Factor-Î²1-induced Transcript 1 Protein, a Novel Marker for Smooth Muscle Contractile Phenotype, Is Regulated by Serum Response Factor/Myocardin Protein. Journal of Biological Chemistry, 2011, 286, 41589-41599.	3.4	43
59	Border Cell Migration: A Model System for Live Imaging and Genetic Analysis of Collective Cell Movement. Methods in Molecular Biology, 2011, 769, 277-286.	0.9	17
60	Light-mediated activation reveals a key role for Rac in collective guidance of cell movement in vivo. Nature Cell Biology, 2010, 12, 591-597.	10.3	297
61	Tissue elongation requires oscillating contractions of a basal actomyosin network. Nature Cell Biology, 2010, 12, 1133-1142.	10.3	233
62	Repression of Versican Expression by MicroRNA-143. Journal of Biological Chemistry, 2010, 285, 23241-23250.	3.4	76
63	Repression of Smooth Muscle Differentiation by a Novel High Mobility Group Box-containing Protein, HMG2L1. Journal of Biological Chemistry, 2010, 285, 23177-23185.	3.4	21
64	Modulation of Myocardin Function by the Ubiquitin E3 Ligase UBR5. Journal of Biological Chemistry, 2010, 285, 11800-11809.	3.4	31
65	RelB NF-ÎºB Represses Estrogen Receptor Î± Expression via Induction of the Zinc Finger Protein Blimp1. Molecular and Cellular Biology, 2009, 29, 3832-3844.	2.3	67
66	Inhibition of RelB by 1,25â€dihydroxyvitamin D₃ promotes sensitivity of breast cancer cells to radiation. Journal of Cellular Physiology, 2009, 220, 593-599.	4.1	43
67	Advanced technologies for genomic analysis in farm animals and its application for QTL mapping. Genetica, 2009, 136, 371-386.	1.1	22
68	Feedback Inhibition of JAK/STAT Signaling by Apontic Is Required to Limit an Invasive Cell Population. Developmental Cell, 2008, 14, 726-738.	7.0	78
69	Repression of BCL2 by the Tumor Suppressor Activity of the Lysyl Oxidase Propeptide Inhibits Transformed Phenotype of Lung and Pancreatic Cancer Cells. Cancer Research, 2007, 67, 6278-6285.	0.9	83
70	Oestrogen signalling inhibits invasive phenotype by repressing RelB and its target BCL2. Nature Cell Biology, 2007, 9, 470-478.	10.3	189
71	Identification of microRNAs from different tissues of chicken embryo and adult chicken. FEBS Letters, 2006, 580, 3610-3616.	2.8	59
72	A five-fold pig bacterial artificial chromosome library: a resource for positional cloning and physical mapping. Progress in Natural Science: Materials International, 2006, 16, 889-892.	4.4	12

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73	shRNA Transcribed by RNA Pol II Promoter Induce RNA Interference in Mammalian Cell. Molecular Biology Reports, 2006, 33, 43-49.	2.3	26
74	Mammalian Pol III Promoter H1 can Transcribe shRNA Inducing RNAi in Chicken Cells. Molecular Biology Reports, 2006, 33, 33-41.	2.3	8
75	Production of porcine cloned transgenic embryos expressing green fluorescent protein by somatic cell nuclear transfer. Science in China Series C: Life Sciences, 2006, 49, 164-71.	1.3	21
76	In vitro developmental competence of pig nuclear transferred embryos: effects of GFP transfection, refrigeration, cell cycle synchronization and shapes of donor cells. Zygote, 2006, 14, 239-247.	1.1	21
77	RelB/p52 NF-ÎºB Complexes Rescue an Early Delay in Mammary Gland Development in Transgenic Mice with Targeted Superrepressor IÎºB-Î± Expression and Promote Carcinogenesis of the Mammary Gland. Molecular and Cellular Biology, 2005, 25, 10136-10147.	2.3	83
78	Induction of the RelB NF-ÎºB Subunit by the Cytomegalovirus IE1 Protein Is Mediated via Jun Kinase and c-Jun/Fra-2 AP-1 Complexes. Journal of Virology, 2005, 79, 95-105.	3.4	34
79	B-Myb Represses Elastin Gene Expression in Aortic Smooth Muscle Cells. Journal of Biological Chemistry, 2005, 280, 7694-7701.	3.4	13