

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 | Mechanical Feedback through E-Cadherin Promotes Direction Sensing during Collective Cell Migration. <i>Cell</i> , 2014, 157, 1146-1159. | 28.9 | 428 |
| 2 | Light-mediated activation reveals a key role for Rac in collective guidance of cell movement in vivo. <i>Nature Cell Biology</i> , 2010, 12, 591-597. | 10.3 | 297 |
| 3 | Hepatocyte TAZ/WWTR1 Promotes Inflammation and Fibrosis in Nonalcoholic Steatohepatitis. <i>Cell Metabolism</i> , 2016, 24, 848-862. | 16.2 | 279 |
| 4 | Macrophage Metabolism of Apoptotic Cell-Derived Arginine Promotes Continual Efferocytosis and Resolution of Injury. <i>Cell Metabolism</i> , 2020, 31, 518-533.e10. | 16.2 | 235 |
| 5 | Tissue elongation requires oscillating contractions of a basal actomyosin network. <i>Nature Cell Biology</i> , 2010, 12, 1133-1142. | 10.3 | 233 |
| 6 | Oestrogen signalling inhibits invasive phenotype by repressing RelB and its target BCL2. <i>Nature Cell Biology</i> , 2007, 9, 470-478. | 10.3 | 189 |
| 7 | Hepatocyte Notch activation induces liver fibrosis in nonalcoholic steatohepatitis. <i>Science Translational Medicine</i> , 2018, 10, . | 12.4 | 151 |
| 8 | Macrophage MerTK Promotes Liver Fibrosis in Nonalcoholic Steatohepatitis. <i>Cell Metabolism</i> , 2020, 31, 406-421.e7. | 16.2 | 141 |
| 9 | Rab11 regulates cell-cell communication during collective cell movements. <i>Nature Cell Biology</i> , 2013, 15, 317-324. | 10.3 | 136 |
| 10 | siRNA nanoparticles targeting CaMKII β in lesional macrophages improve atherosclerotic plaque stability in mice. <i>Science Translational Medicine</i> , 2020, 12, . | 12.4 | 132 |
| 11 | Cholesterol Stabilizes TAZ in Hepatocytes to Promote Experimental Non-alcoholic Steatohepatitis. <i>Cell Metabolism</i> , 2020, 31, 969-986.e7. | 16.2 | 117 |
| 12 | Deletion of Yes-Associated Protein (YAP) Specifically in Cardiac and Vascular Smooth Muscle Cells Reveals a Crucial Role for YAP in Mouse Cardiovascular Development. <i>Circulation Research</i> , 2014, 114, 957-965. | 4.5 | 106 |
| 13 | Efferocytosis induces macrophage proliferation to help resolve tissue injury. <i>Cell Metabolism</i> , 2021, 33, 2445-2463.e8. | 16.2 | 98 |
| 14 | The Induction of Yes-Associated Protein Expression After Arterial Injury Is Crucial for Smooth Muscle Phenotypic Modulation and Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2662-2669. | 2.4 | 94 |
| 15 | Epithelial-to-Mesenchymal Transition Induced by TGF- β 1 Is Mediated by Blimp-1-Dependent Repression of BMP-5. <i>Cancer Research</i> , 2012, 72, 6268-6278. | 0.9 | 88 |
| 16 | RelB/p52 NF- κ B Complexes Rescue an Early Delay in Mammary Gland Development in Transgenic Mice with Targeted Superrepressor I κ B- β Expression and Promote Carcinogenesis of the Mammary Gland. <i>Molecular and Cellular Biology</i> , 2005, 25, 10136-10147. | 2.3 | 83 |
| 17 | Repression of BCL2 by the Tumor Suppressor Activity of the Lysyl Oxidase Propeptide Inhibits Transformed Phenotype of Lung and Pancreatic Cancer Cells. <i>Cancer Research</i> , 2007, 67, 6278-6285. | 0.9 | 83 |
| 18 | Feedback Inhibition of JAK/STAT Signaling by Apoptotic Is Required to Limit an Invasive Cell Population. <i>Developmental Cell</i> , 2008, 14, 726-738. | 7.0 | 78 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Repression of Versican Expression by MicroRNA-143. <i>Journal of Biological Chemistry</i> , 2010, 285, 23241-23250. | 3.4 | 76 |
| 20 | RelB NF- κ B Represses Estrogen Receptor $\hat{\pm}$ Expression via Induction of the Zinc Finger Protein Blimp1. <i>Molecular and Cellular Biology</i> , 2009, 29, 3832-3844. | 2.3 | 67 |
| 21 | Identification of microRNAs from different tissues of chicken embryo and adult chicken. <i>FEBS Letters</i> , 2006, 580, 3610-3616. | 2.8 | 59 |
| 22 | Cell-matrix adhesion and cell-cell adhesion differentially control basal myosin oscillation and <i>Drosophila</i> egg chamber elongation. <i>Nature Communications</i> , 2017, 8, 14708. | 12.8 | 56 |
| 23 | Macrophages use apoptotic cell-derived methionine and DNMT3A during efferocytosis to promote tissue resolution. <i>Nature Metabolism</i> , 2022, 4, 444-457. | 11.9 | 56 |
| 24 | Shining light on <i>Drosophila</i> oogenesis: live imaging of egg development. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 612-619. | 3.3 | 51 |
| 25 | Spatiotemporal Control of Small GTPases with Light Using the LOV Domain. <i>Methods in Enzymology</i> , 2011, 497, 393-407. | 1.0 | 49 |
| 26 | C/EBP-Homologous Protein (CHOP) in Vascular Smooth Muscle Cells Regulates Their Proliferation in Aortic Explants and Atherosclerotic Lesions. <i>Circulation Research</i> , 2015, 116, 1736-1743. | 4.5 | 49 |
| 27 | Hepatocyte TLR4 triggers inter-hepatocyte Jagged1/Notch signaling to determine NASH-induced fibrosis. <i>Science Translational Medicine</i> , 2021, 13, . | 12.4 | 49 |
| 28 | The Transcription Factor TEAD1 Represses Smooth Muscle-specific Gene Expression by Abolishing Myocardin Function*. <i>Journal of Biological Chemistry</i> , 2014, 289, 3308-3316. | 3.4 | 45 |
| 29 | Inhibition of RelB by 1,25- $\hat{\epsilon}$ hydroxyvitamin D ₃ promotes sensitivity of breast cancer cells to radiation. <i>Journal of Cellular Physiology</i> , 2009, 220, 593-599. | 4.1 | 43 |
| 30 | Transforming Growth Factor- $\hat{2}$ 1-induced Transcript 1 Protein, a Novel Marker for Smooth Muscle Contractile Phenotype, Is Regulated by Serum Response Factor/Myocardin Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 41589-41599. | 3.4 | 43 |
| 31 | SOX9 and myocardin counteract each other in regulating vascular smooth muscle cell differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 285-290. | 2.1 | 43 |
| 32 | Border Cell Migration: A Model System for Live Imaging and Genetic Analysis of Collective Cell Movement. <i>Methods in Molecular Biology</i> , 2015, 1328, 89-97. | 0.9 | 37 |
| 33 | aPKC is a key polarity molecule coordinating the function of three distinct cell polarities during collective migration. <i>Development (Cambridge)</i> , 2018, 145, . | 2.5 | 36 |
| 34 | A Therapeutic Silencing RNA Targeting Hepatocyte TAZ Prevents and Reverses Fibrosis in Nonalcoholic Steatohepatitis in Mice. <i>Hepatology Communications</i> , 2019, 3, 1221-1234. | 4.3 | 36 |
| 35 | Induction of the RelB NF- κ B Subunit by the Cytomegalovirus IE1 Protein Is Mediated via Jun Kinase and c-Jun/Fra-2 AP-1 Complexes. <i>Journal of Virology</i> , 2005, 79, 95-105. | 3.4 | 34 |
| 36 | Modulation of Myocardin Function by the Ubiquitin E3 Ligase UBR5. <i>Journal of Biological Chemistry</i> , 2010, 285, 11800-11809. | 3.4 | 31 |

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|----|--|------|-----------|
| 37 | Deficiency of macrophage PHACTR1 impairs efferocytosis and promotes atherosclerotic plaque necrosis. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 31 |
| 38 | A biochemical network controlling basal myosin oscillation. <i>Nature Communications</i> , 2018, 9, 1210. | 12.8 | 28 |
| 39 | TAZ-induced Cybb contributes to liver tumor formation in non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2022, 76, 910-920. | 3.7 | 27 |
| 40 | shRNA Transcribed by RNA Pol II Promoter Induce RNA Interference in Mammalian Cell. <i>Molecular Biology Reports</i> , 2006, 33, 43-49. | 2.3 | 26 |
| 41 | Light activated cell migration in synthetic extracellular matrices. <i>Biomaterials</i> , 2012, 33, 8040-8046. | 11.4 | 26 |
| 42 | Myosin II governs collective cell migration behaviour downstream of guidance receptor signalling. <i>Journal of Cell Science</i> , 2017, 130, 97-103. | 2.0 | 26 |
| 43 | An ATF6-tPA pathway in hepatocytes contributes to systemic fibrinolysis and is repressed by DACH1. <i>Blood</i> , 2019, 133, 743-753. | 1.4 | 23 |
| 44 | ODC (Ornithine Decarboxylase)-Dependent Putrescine Synthesis Maintains MerTK (MER) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (<i>Biology</i> , 2021, 41, e144-e159. | 2.4 | 23 |
| 45 | Advanced technologies for genomic analysis in farm animals and its application for QTL mapping. <i>Genetica</i> , 2009, 136, 371-386. | 1.1 | 22 |
| 46 | Production of porcine cloned transgenic embryos expressing green fluorescent protein by somatic cell nuclear transfer. <i>Science in China Series C: Life Sciences</i> , 2006, 49, 164-71. | 1.3 | 21 |
| 47 | In vitro developmental competence of pig nuclear transferred embryos: effects of GFP transfection, refrigeration, cell cycle synchronization and shapes of donor cells. <i>Zygote</i> , 2006, 14, 239-247. | 1.1 | 21 |
| 48 | Repression of Smooth Muscle Differentiation by a Novel High Mobility Group Box-containing Protein, HMG2L1. <i>Journal of Biological Chemistry</i> , 2010, 285, 23177-23185. | 3.4 | 21 |
| 49 | Non-autonomous role of Cdc42 in cell-cell communication during collective migration. <i>Developmental Biology</i> , 2017, 423, 12-18. | 2.0 | 21 |
| 50 | PKC δ -induced phosphorylations control the ability of Fra-1 to stimulate gene expression and cancer cell migration. <i>Cancer Letters</i> , 2017, 385, 97-107. | 7.2 | 21 |
| 51 | Interacting hepatic PAI-1/tPA gene regulatory pathways influence impaired fibrinolysis severity in obesity. <i>Journal of Clinical Investigation</i> , 2020, 130, 4348-4359. | 8.2 | 20 |
| 52 | Protein phosphatase 1 activity controls a balance between collective and single cell modes of migration. <i>ELife</i> , 2020, 9, . | 6.0 | 20 |
| 53 | Switching between individual and collective motility in B lymphocytes is controlled by cell-matrix adhesion and inter-cellular interactions. <i>Scientific Reports</i> , 2018, 8, 5800. | 3.3 | 19 |
| 54 | Supracellular Actomyosin Mediates Cell-Cell Communication and Shapes Collective Migratory Morphology. <i>IScience</i> , 2020, 23, 101204. | 4.1 | 18 |

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|----|---|------|-----------|
| 55 | Border Cell Migration: A Model System for Live Imaging and Genetic Analysis of Collective Cell Movement. <i>Methods in Molecular Biology</i> , 2011, 769, 277-286. | 0.9 | 17 |
| 56 | Hepatocyte-derived exosomal MiR-194 activates PMVECs and promotes angiogenesis in hepatopulmonary syndrome. <i>Cell Death and Disease</i> , 2019, 10, 853. | 6.3 | 16 |
| 57 | B-Myb Represses Elastin Gene Expression in Aortic Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 7694-7701. | 3.4 | 13 |
| 58 | Ezrin Regulating the Cytoskeleton Remodeling is Required for Hypoxia-Induced Myofibroblast Proliferation and Migration. <i>Frontiers in Cardiovascular Medicine</i> , 2015, 2, 10. | 2.4 | 13 |
| 59 | A Cdc42-mediated supracellular network drives polarized forces and <i>Drosophila</i> egg chamber extension. <i>Nature Communications</i> , 2020, 11, 1921. | 12.8 | 13 |
| 60 | TOX4, an insulin receptor-independent regulator of hepatic glucose production, is activated in diabetic liver. <i>Cell Metabolism</i> , 2022, 34, 158-170.e5. | 16.2 | 13 |
| 61 | A five-fold pig bacterial artificial chromosome library: a resource for positional cloning and physical mapping. <i>Progress in Natural Science: Materials International</i> , 2006, 16, 889-892. | 4.4 | 12 |
| 62 | Cyclooxygenase-2 promotes pulmonary intravascular macrophage accumulation by exacerbating BMP signaling in rat experimental hepatopulmonary syndrome. <i>Biochemical Pharmacology</i> , 2017, 138, 205-215. | 4.4 | 12 |
| 63 | Bone morphogenic protein-2 regulates the myogenic differentiation of PMVECs in CBDL rat serum-induced pulmonary microvascular remodeling. <i>Experimental Cell Research</i> , 2015, 336, 109-118. | 2.6 | 11 |
| 64 | Inhibition of autophagy ameliorates pulmonary microvascular dilation and PMVECs excessive proliferation in rat experimental hepatopulmonary syndrome. <i>Scientific Reports</i> , 2016, 6, 30833. | 3.3 | 10 |
| 65 | Mammalian Pol III Promoter H1 can Transcribe shRNA Inducing RNAi in Chicken Cells. <i>Molecular Biology Reports</i> , 2006, 33, 33-41. | 2.3 | 8 |
| 66 | MicroRNA-27a activity is not suppressed in porcine oocytes. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 2579-2585. | 1.8 | 8 |
| 67 | Cloning and expression analysis of piRNA-like RNAs: adult testis-specific small RNAs in chicken. <i>Molecular and Cellular Biochemistry</i> , 2012, 360, 347-352. | 3.1 | 8 |
| 68 | Loss of cell polarity regulated by PTEN/Cdc42 enrolled in the process of Hepatopulmonary Syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5542-5552. | 3.6 | 6 |
| 69 | Cyclooxygenase-2 regulates HPS patient serum induced-directional collective HPMVEC migration via PKC/Rac signaling pathway. <i>Gene</i> , 2019, 692, 176-184. | 2.2 | 4 |
| 70 | MiR145-5p inhibits proliferation of PMVECs via PAI-1 in experimental hepatopulmonary syndrome rat pulmonary microvascular hyperplasia. <i>Biology Open</i> , 2019, 8, . | 1.2 | 3 |
| 71 | Krüppel-like factor 6 (KLF6) mediates pulmonary angiogenesis in rat experimental hepatopulmonary syndrome and is aggravated by bone morphogenetic protein 9 (BMP9). <i>Biology Open</i> , 2019, 8, . | 1.2 | 2 |
| 72 | Modulation of myocardin function by the ubiquitin E3 ligase UBR5.. <i>Journal of Biological Chemistry</i> , 2011, 286, 25416. | 3.4 | 0 |

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|----|--|-----|-----------|
| 73 | A review of nonalcoholic fatty liver disease - genetics and animal models. Environmental Disease, 2016, 1, 51. | 0.1 | 0 |
| 74 | Abstract B04: Hepatic cholesterol upregulates TAZ in nonalcoholic steatohepatitis. , 2020, , . | | 0 |
| 75 | Abstract IA23: The role of hepatocyte TAZ in NASH and NASH-HCC. , 2020, , . | | 0 |
| 76 | Liver cholesterol matters. Aging, 2020, 12, 19828-19829. | 3.1 | 0 |
| 77 | MerTK, a risk factor for NASH fibrosis. Aging, 2020, 12, 19832-19833. | 3.1 | 0 |
| 78 | MerTK, a risk factor for NASH fibrosis. Aging, 2020, 12, 19832-19833. | 3.1 | 0 |
| 79 | Liver cholesterol matters. Aging, 2020, 12, 19828-19829. | 3.1 | 0 |