

# Xiaohua Jiang

## List of Publications by Year in descending order

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97  
papers

3,906  
citations

116194

36  
h-index

156644

58  
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97  
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97  
docs citations

97  
times ranked

6752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human embryonic stem cell-derived neural crest model unveils CD55 as a cancer stem cell regulator for therapeutic targeting in MYCN-amplified neuroblastoma. <i>Neuro-Oncology</i> , 2022, 24, 872-885.	0.6	11
2	Human pluripotent stem cell-derived ectomesenchymal stromal cells promote more robust functional recovery than umbilical cord-derived mesenchymal stromal cells after hypoxic-ischaemic brain damage. <i>Theranostics</i> , 2022, 12, 143-166.	4.6	22
3	Cranial Bone Transport Promotes Angiogenesis, Neurogenesis, and Modulates Meningeal Lymphatic Function in Middle Cerebral Artery Occlusion Rats. <i>Stroke</i> , 2022, 53, 1373-1385.	1.0	6
4	De-osteogenic-differentiated mesenchymal stem cells accelerate fracture healing by mir-92b. <i>Journal of Orthopaedic Translation</i> , 2021, 27, 25-32.	1.9	13
5	Interplay between transforming growth factor- $\beta$ 2 and Nur77 in dual regulations of inhibitor of differentiation 1 for colonic tumorigenesis. <i>Nature Communications</i> , 2021, 12, 2809.	5.8	22
6	Dysbacteriosis induces abnormal neurogenesis via LPS in a pathway requiring NF- $\kappa$ B/IL-6. <i>Pharmacological Research</i> , 2021, 167, 105543.	3.1	12
7	Dynamic regulation of mitochondrial-endoplasmic reticulum crosstalk during stem cell homeostasis and aging. <i>Cell Death and Disease</i> , 2021, 12, 794.	2.7	6
8	Integrated Transcriptome and Multiple Activated Pathways in Endometrial Cancer. <i>Frontiers in Genetics</i> , 2021, 12, 680331.	1.1	2
9	Functional crosstalk between mTORC1/p70S6K pathway and heterochromatin organization in stress-induced senescence of MSCs. <i>Stem Cell Research and Therapy</i> , 2020, 11, 279.	2.4	20
10	&lt;p&gt;Upregulated Long Non-Coding RNA LL22NC03-N64E9.1 Promotes the Proliferation and Migration of Human Breast Cancer Cells by Silencing Kruppel-Like Factor 2 Expression&lt;/p&gt;. <i>Cancer Management and Research</i> , 2020, Volume 12, 10763-10770.	0.9	3
11	CFTR promotes malignant glioma development via up-regulation of Akt/Bcl2-mediated anti-apoptosis pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7301-7312.	1.6	10
12	Zinc oxide nanoparticles exposure-induced oxidative stress restricts cranial neural crest development during chicken embryogenesis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110415.	2.9	23
13	Baicalin rescues hyperglycemia-induced neural tube defects via targeting on retinoic acid signaling. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 3311-3328.	0.0	0
14	MRP4 sustains Wnt/ $\beta$ -catenin signaling for pregnancy, endometriosis and endometrial cancer. <i>Theranostics</i> , 2019, 9, 5049-5064.	4.6	30
15	Progenitor Cells Derived from Drain Waste Product of Open-Heart Surgery in Children. <i>Journal of Clinical Medicine</i> , 2019, 8, 1028.	1.0	2
16	Transplantation of Retinal Ganglion Cells Derived from Male Germline Stem Cell as a Potential Treatment to Glaucoma. <i>Stem Cells and Development</i> , 2019, 28, 1365-1375.	1.1	20
17	KDM3A and KDM4C Regulate Mesenchymal Stromal Cell Senescence and Bone Aging via Condensin-mediated Heterochromatin Reorganization. <i>IScience</i> , 2019, 21, 375-390.	1.9	38
18	CFTR mutation enhances Dishevelled degradation and results in impairment of Wnt-dependent hematopoiesis. <i>Cell Death and Disease</i> , 2018, 9, 275.	2.7	32

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19	Cystic fibrosis transmembrane conductance regulatorâ€”emerging regulator of cancer. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1737-1756.	2.4	20
20	Retinoic acid promotes stem cell differentiation and embryonic development by transcriptionally activating CFTR. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 605-615.	1.9	9
21	Organic Semiconducting Polymer Nanoparticles for Photoacoustic Labeling and Tracking of Stem Cells in the Second Near-Infrared Window. <i>ACS Nano</i> , 2018, 12, 12201-12211.	7.3	127
22	Preconditioning Enhances the Therapeutic Effects of Mesenchymal Stem Cells on Colitis Through PGE2-Mediated T-Cell Modulation. <i>Cell Transplantation</i> , 2018, 27, 1352-1367.	1.2	43
23	Steric Effect of Antioxidant Diels-Alder-Type Adducts: A Comparison of Sanggenon C with Sanggenon D. <i>Molecules</i> , 2018, 23, 2610.	1.7	7
24	R-spodin2 enhances canonical Wnt signaling to maintain the stemness of glioblastoma cells. <i>Cancer Cell International</i> , 2018, 18, 156.	1.8	15
25	Activation of the epithelial sodium channel (ENaC) leads to cytokine profile shift to pro-inflammatory in labor. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	8
26	Identification of an Anti-inflammatory Protein, Annexin A1, in Tendon Derived Stem Cells (TDSCs) of Cystic Fibrosis Mice: A Comparative Proteomic Analysis. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700162.	0.8	7
27	Antioxidant and Cytoprotective Effects of the Di-O-Caffeoylquinic Acid Family: The Mechanism, Structure-Activity Relationship, and Conformational Effect. <i>Molecules</i> , 2018, 23, 222.	1.7	45
28	Epigenetic Modification of the CCL5/CCR1/ERK Axis Enhances Glioma Targeting in Dedifferentiation-Reprogrammed BMSCs. <i>Stem Cell Reports</i> , 2017, 8, 743-757.	2.3	21
29	Cystic fibrosis transmembrane conductance regulator mediates tenogenic differentiation of tendon-derived stem cells and tendon repair: accelerating tendon injury healing by intervening in its downstream signaling. <i>FASEB Journal</i> , 2017, 31, 3800-3815.	0.2	30
30	Human MSCs promotes colorectal cancer epithelial-mesenchymal transition and progression via CCL5/ $\beta$ -catenin/Slug pathway. <i>Cell Death and Disease</i> , 2017, 8, e2819-e2819.	2.7	50
31	Defective CFTR leads to aberrant $\beta$ -catenin activation and kidney fibrosis. <i>Scientific Reports</i> , 2017, 7, 5233.	1.6	24
32	CFTR- $\beta$ -catenin interaction regulates mouse embryonic stem cell differentiation and embryonic development. <i>Cell Death and Differentiation</i> , 2017, 24, 98-110.	5.0	28
33	Synergistic effects on mesenchymal stem cell-based cartilage regeneration by chondrogenic preconditioning and mechanical stimulation. <i>Stem Cell Research and Therapy</i> , 2017, 8, 221.	2.4	52
34	Improved osteogenesis and upregulated immunogenicity in human placenta-derived mesenchymal stem cells primed with osteogenic induction medium. <i>Stem Cell Research and Therapy</i> , 2016, 7, 138.	2.4	17
35	Small nuclear ribonucleoprotein polypeptide N (Sm51) promotes osteogenic differentiation of bone marrow mesenchymal stem cells by regulating Runx2. <i>Cell and Tissue Research</i> , 2016, 366, 155-162.	1.5	7
36	Secretome of Human Fetal Mesenchymal Stem Cell Ameliorates Replicative Senescence. <i>Stem Cells and Development</i> , 2016, 25, 1755-1766.	1.1	36

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37	Oridonin inhibits pancreatic cancer cell migration and epithelial-mesenchymal transition by suppressing Wnt/ $\beta$ -catenin signaling pathway. <i>Cancer Cell International</i> , 2016, 16, 57.	1.8	35
38	MycN Is Critical for the Maintenance of Human Embryonic Stem Cell-Derived Neural Crest Stem Cells. <i>PLoS ONE</i> , 2016, 11, e0148062.	1.1	17
39	Defective CFTR- $\beta$ -catenin interaction promotes NF- $\kappa$ B nuclear translocation and intestinal inflammation in cystic fibrosis. <i>Oncotarget</i> , 2016, 7, 64030-64042.	0.8	38
40	CFTR is a potential marker for nasopharyngeal carcinoma prognosis and metastasis. <i>Oncotarget</i> , 2016, 7, 76955-76965.	0.8	25
41	The cystic fibrosis transmembrane conductance regulator as a biomarker in non-small cell lung cancer. <i>International Journal of Oncology</i> , 2015, 46, 2107-2115.	1.4	42
42	Down-regulated CFTR During Aging Contributes to Benign Prostatic Hyperplasia. <i>Journal of Cellular Physiology</i> , 2015, 230, 1906-1915.	2.0	6
43	Dynamically Regulated CFTR Expression and Its Functional Role in Cutaneous Wound Healing. <i>Journal of Cellular Physiology</i> , 2015, 230, 2049-2058.	2.0	24
44	Epigenetic memory gained by priming with osteogenic induction medium improves osteogenesis and other properties of mesenchymal stem cells. <i>Scientific Reports</i> , 2015, 5, 11056.	1.6	38
45	Fate determination in mesenchymal stem cells: a perspective from histone-modifying enzymes. <i>Stem Cell Research and Therapy</i> , 2015, 6, 35.	2.4	58
46	MicroRNA-29b/Tet1 regulatory axis epigenetically modulates mesoderm differentiation in mouse embryonic stem cells. <i>Nucleic Acids Research</i> , 2015, 43, 7805-7822.	6.5	27
47	Sox11-modified mesenchymal stem cells (MSCs) accelerate bone fracture healing: Sox11 regulates differentiation and migration of MSCs. <i>FASEB Journal</i> , 2015, 29, 1143-1152.	0.2	65
48	Mesenchymal stem cell therapy for inflammatory bowel diseases: promise and challenge. <i>Current Stem Cell Research and Therapy</i> , 2015, 10, 499-508.	0.6	6
49	Hyperhomocysteinemia Potentiates Hyperglycemia-Induced Inflammatory Monocyte Differentiation and Atherosclerosis. <i>Diabetes</i> , 2014, 63, 4275-4290.	0.3	104
50	Glucose-induced electrical activities and insulin secretion in pancreatic islet $\beta$ -cells are modulated by CFTR. <i>Nature Communications</i> , 2014, 5, 4420.	5.8	130
51	Regulation of miR-101/miR-199a-3p by the epithelial sodium channel during embryo implantation: involvement of CREB phosphorylation. <i>Reproduction</i> , 2014, 148, 559-568.	1.1	35
52	Elevated expression of CD147 in patients with endometriosis and its role in regulating apoptosis and migration of human endometrial cells. <i>Fertility and Sterility</i> , 2014, 101, 1681-1687.e1.	0.5	15
53	Aqp1 Enhances Migration of Bone Marrow Mesenchymal Stem Cells Through Regulation of FAK and $\beta$ -Catenin. <i>Stem Cells and Development</i> , 2014, 23, 66-75.	1.1	78
54	Maternal caffeine exposure impairs insulin secretion by pancreatic $\beta$ -cells and increases the risk of type II diabetes mellitus in offspring. <i>Cell Biology International</i> , 2014, 38, 1183-1193.	1.4	7

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55	Disrupted interaction between CFTR and AF-6/afadin aggravates malignant phenotypes of colon cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 618-628.	1.9	61
56	Emerging role of CFTR as an epigenetic regulator - linking environmental cues to microRNAs. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, n/a-n/a.	0.9	7
57	Bone marrow-derived mesenchymal stem cells promote growth and angiogenesis of breast and prostate tumors. <i>Stem Cell Research and Therapy</i> , 2013, 4, 70.	2.4	187
58	Downregulation of CFTR promotes epithelial-to-mesenchymal transition and is associated with poor prognosis of breast cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2961-2969.	1.9	100
59	CFTR suppresses tumor progression through miR-193b targeting urokinase plasminogen activator (uPA) in prostate cancer. <i>Oncogene</i> , 2013, 32, 2282-2291.	2.6	97
60	Protection against hyperoxia-induced lung fibrosis by KGF-induced MSC mobilization in neonatal rats. <i>Pediatric Transplantation</i> , 2013, 17, 676-682.	0.5	15
61	Inhibition of angiogenesis by a novel neutralizing antibody targeting human VEGFR-3. <i>MAbs</i> , 2013, 5, 956-961.	2.6	10
62	CFTR mediates bicarbonate-dependent activation of miR-125b in preimplantation embryo development. <i>Cell Research</i> , 2012, 22, 1453-1466.	5.7	36
63	Activation of the epithelial Na <sup>+</sup> channel triggers prostaglandin E2 release and production required for embryo implantation. <i>Nature Medicine</i> , 2012, 18, 1112-1117.	15.2	136
64	STK31 Maintains the Undifferentiated State of Colon Cancer Cells. <i>Carcinogenesis</i> , 2012, 33, 2044-2053.	1.3	24
65	New insights into germ cell migration and survival/apoptosis in spermatogenesis. <i>Spermatogenesis</i> , 2012, 2, 264-272.	0.8	31
66	Effects of HMG on revascularization and follicular survival in heterotopic autotransplants of mouse ovarian tissue. <i>Reproductive BioMedicine Online</i> , 2012, 24, 646-653.	1.1	36
67	Lymphocyte CFTR promotes epithelial bicarbonate secretion for bacterial killing. <i>Journal of Cellular Physiology</i> , 2012, 227, 3887-3894.	2.0	17
68	Ion channels/transporters as epigenetic regulators? a microRNA perspective. <i>Science China Life Sciences</i> , 2012, 55, 753-760.	2.3	26
69	CD147 regulates apoptosis in mouse spermatocytes but not spermatogonia. <i>Human Reproduction</i> , 2012, 27, 1568-1576.	0.4	26
70	Magnetic nanoparticles for treatment of gastric cancer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012, 27, 191-193.	1.4	7
71	CFTR negatively regulates cyclooxygenase-2/PGE <sub>2</sub> positive feedback loop in inflammation. <i>Journal of Cellular Physiology</i> , 2012, 227, 2759-2766.	2.0	40
72	Abnormally enhanced cystic fibrosis transmembrane conductance regulator-mediated apoptosis in endometrial cells contributes to impaired embryo implantation in controlled ovarian hyperstimulation. <i>Fertility and Sterility</i> , 2011, 95, 2100-2106.e2.	0.5	16

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73	Dedifferentiation-Reprogrammed Mesenchymal Stem Cells with Improved Therapeutic Potential. <i>Stem Cells</i> , 2011, 29, 2077-2089.	1.4	36
74	A Protective Mechanism against Antibiotic-Induced Ototoxicity: Role of Prestin. <i>PLoS ONE</i> , 2011, 6, e17322.	1.1	17
75	Modeling Initiation of Ewing Sarcoma in Human Neural Crest Cells. <i>PLoS ONE</i> , 2011, 6, e19305.	1.1	150
76	Involvement of calpain-I and microRNA34 in kanamycin-induced apoptosis of inner ear cells. <i>Cell Biology International</i> , 2010, 34, 1219-1225.	1.4	20
77	CD133 expression in chemo-resistant Ewing sarcoma cells. <i>BMC Cancer</i> , 2010, 10, 116.	1.1	67
78	Switching from bone marrow-derived neurons to epithelial cells through dedifferentiation and translineage redifferentiation. <i>Cell Biology International</i> , 2010, 34, 1075-1083.	1.4	21
79	Restoration of XAF1 expression induces apoptosis and inhibits tumor growth in gastric cancer. <i>International Journal of Cancer</i> , 2009, 125, 688-697.	2.3	39
80	Isolation and Characterization of Neural Crest Stem Cells Derived From In Vitro "Differentiated Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2009, 18, 1059-1071.	1.1	129
81	Carbachol induces p70S6K1 activation through an ERK-dependent but Akt-independent pathway in human colonic epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 521-524.	1.0	16
82	Cyclooxygenase Regulation Contributes to Hyperhomocysteinemia induced Endothelial Dysfunction in Transgenic Cystathionine beta-synthase Deficient Mice. <i>FASEB Journal</i> , 2009, 23, 934.8.	0.2	0
83	Hyperhomocysteinemia Potentiates Endothelial Dysfunction in Diabetes by Calpain and NADPH Oxidase Activation. <i>FASEB Journal</i> , 2009, 23, 937.1.	0.2	0
84	Differential FAK phosphorylation at Ser-910, Ser-843 and Tyr-397 induced by angiotensin II, LPA and EGF in intestinal epithelial cells. <i>Cellular Signalling</i> , 2007, 19, 1000-1010.	1.7	41
85	FAK phosphorylation at Ser-843 inhibits Tyr-397 phosphorylation, cell spreading and migration. <i>Journal of Cellular Physiology</i> , 2007, 210, 436-444.	2.0	43
86	Inhibition of Akt/PKB by a COX-2 Inhibitor Induces Apoptosis in Gastric Cancer Cells. <i>Digestion</i> , 2006, 73, 75-83.	1.2	20
87	RNA interference reveals a differential role of FAK and Pyk2 in cell migration, leading edge formation and increase in focal adhesions induced by LPA in intestinal epithelial cells. <i>Journal of Cellular Physiology</i> , 2006, 207, 816-828.	2.0	30
88	G Protein-coupled Receptor Activation Rapidly Stimulates Focal Adhesion Kinase Phosphorylation at Ser-843. <i>Journal of Biological Chemistry</i> , 2005, 280, 24212-24220.	1.6	50
89	Gene therapy for colon cancer by adeno-associated viral vector-mediated transfer of survivin Cys84Ala mutant. <i>Gastroenterology</i> , 2005, 128, 361-375.	0.6	79
90	Antisense Targeting Protein Kinase C $\beta$ and $\delta$ Inhibits Gastric Carcinogenesis. <i>Cancer Research</i> , 2004, 64, 5787-5794.	0.4	61

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91	Protein Kinase D Potentiates DNA Synthesis Induced by Gq-coupled Receptors by Increasing the Duration of ERK Signaling in Swiss 3T3 Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 16883-16893.	1.6	105
92	Cyclooxygenase-2 inhibitor (SC-236) suppresses activator protein-1 through c-Jun NH2-terminal kinase. <i>Gastroenterology</i> , 2004, 126, 136-147.	0.6	52
93	Suppression of RelA/p65 nuclear translocation independent of I $\kappa$ B- $\beta$ degradation by cyclooxygenase-2 inhibitor in gastric cancer. <i>Oncogene</i> , 2003, 22, 1189-1197.	2.6	68
94	Cyclooxygenase-2 Inhibition and Gastric Cancer. <i>Current Pharmaceutical Design</i> , 2003, 9, 2281-2288.	0.9	35
95	Novel target for induction of apoptosis by cyclo-oxygenase-2 inhibitor SC-236 through a protein kinase C- $\beta$ 1-dependent pathway. <i>Oncogene</i> , 2002, 21, 6113-6122.	2.6	71
96	Arsenic trioxide induces apoptosis in human gastric cancer cells through up-regulation of P53 and activation of caspase-3. <i>International Journal of Cancer</i> , 2001, 91, 173-179.	2.3	135
97	Functional p53 is required for triptolide-induced apoptosis and AP-1 and nuclear factor- $\kappa$ B activation in gastric cancer cells. <i>Oncogene</i> , 2001, 20, 8009-8018.	2.6	181