

Jian Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

270
papers

10,408
citations

31949

53
h-index

71651

76
g-index

287
all docs

287
docs citations

287
times ranked

12811
citing authors

#	ARTICLE	IF	CITATIONS
1	Heparin-Poloxamer Thermosensitive Hydrogel Loaded with bFGF and NGF Enhances Peripheral Nerve Regeneration in Diabetic Rats. <i>Biomaterials</i> , 2018, 168, 24-37.	5.7	185
2	Role of pyroptosis in cardiovascular diseases. <i>International Immunopharmacology</i> , 2019, 67, 311-318.	1.7	171
3	Endothelial cell pyroptosis plays an important role in Kawasaki disease via HMGB1/RAGE/cathepsin B signaling pathway and NLRP3 inflammasome activation. <i>Cell Death and Disease</i> , 2019, 10, 778.	2.7	168
4	Serum Levels of FGF-21 Are Increased in Coronary Heart Disease Patients and Are Independently Associated with Adverse Lipid Profile. <i>PLoS ONE</i> , 2010, 5, e15534.	1.1	157
5	The Anti-Scar Effects of Basic Fibroblast Growth Factor on the Wound Repair In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e59966.	1.1	154
6	Regulation of Autophagy and Ubiquitinated Protein Accumulation by bFGF Promotes Functional Recovery and Neural Protection in a Rat Model of Spinal Cord Injury. <i>Molecular Neurobiology</i> , 2013, 48, 452-464.	1.9	141
7	Comparative Study of Heparin-Poloxamer Hydrogel Modified bFGF and aFGF for <i>in Vivo</i> Wound Healing Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18710-18721.	4.0	133
8	Neuron and microglia/macrophage-derived FGF10 activate neuronal FGFR2/PI3K/Akt signaling and inhibit microglia/macrophages TLR4/NF- κ B-dependent neuroinflammation to improve functional recovery after spinal cord injury. <i>Cell Death and Disease</i> , 2017, 8, e3090-e3090.	2.7	129
9	Novel H ₂ S-Releasing hydrogel for wound repair via in situ polarization of M2 macrophages. <i>Biomaterials</i> , 2019, 222, 119398.	5.7	126
10	Resveratrol Promotes Diabetic Wound Healing via SIRT1-FOXO1-c-Myc Signaling Pathway-Mediated Angiogenesis. <i>Frontiers in Pharmacology</i> , 2019, 10, 421.	1.6	123
11	Growth factors-based therapeutic strategies and their underlying signaling mechanisms for peripheral nerve regeneration. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1289-1300.	2.8	114
12	Sulfated zwitterionic poly(sulfobetaine methacrylate) hydrogels promote complete skin regeneration. <i>Acta Biomaterialia</i> , 2018, 71, 293-305.	4.1	112
13	Exogenous Basic Fibroblast Growth Factor Inhibits α -ER Stress-Induced Apoptosis and Improves Recovery from Spinal Cord Injury. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 20-29.	1.9	111
14	Nerve growth factor activates autophagy in Schwann cells to enhance myelin debris clearance and to expedite nerve regeneration. <i>Theranostics</i> , 2020, 10, 1649-1677.	4.6	111
15	HIF-1 α and HIF-2 α are critically involved in hypoxia-induced lipid accumulation in hepatocytes through reducing PGC-1 α -mediated fatty acid β -oxidation. <i>Toxicology Letters</i> , 2014, 226, 117-123.	0.4	109
16	Liposomes with Silk Fibroin Hydrogel Core to Stabilize bFGF and Promote the Wound Healing of Mice with Deep Second-Degree Scald. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700344.	3.9	105
17	Metformin alleviates hyperglycemia-induced endothelial impairment by downregulating autophagy via the Hedgehog pathway. <i>Autophagy</i> , 2019, 15, 843-870.	4.3	100
18	Circulating FGF21 Levels Are Progressively Increased from the Early to End Stages of Chronic Kidney Diseases and Are Associated with Renal Function in Chinese. <i>PLoS ONE</i> , 2011, 6, e18398.	1.1	99

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19	bFGF regulates autophagy and ubiquitinated protein accumulation induced by myocardial ischemia/reperfusion via the activation of the PI3K/Akt/mTOR pathway. <i>Scientific Reports</i> , 2015, 5, 9287.	1.6	99
20	Heparin-Based Coacervate of FGF2 Improves Dermal Regeneration by Asserting a Synergistic Role with Cell Proliferation and Endogenous Facilitated VEGF for Cutaneous Wound Healing. <i>Biomacromolecules</i> , 2016, 17, 2168-2177.	2.6	99
21	Stabilization of HIF-1 α alleviates osteoarthritis via enhancing mitophagy. <i>Cell Death and Disease</i> , 2020, 11, 481.	2.7	99
22	bFGF inhibits ER stress induced by ischemic oxidative injury via activation of the PI3K/Akt and ERK1/2 pathways. <i>Toxicology Letters</i> , 2012, 212, 137-146.	0.4	98
23	Using NGF heparin-poloxamer thermosensitive hydrogels to enhance the nerve regeneration for spinal cord injury. <i>Acta Biomaterialia</i> , 2016, 29, 71-80.	4.1	97
24	bFGF Protects Against Blood-Brain Barrier Damage Through Junction Protein Regulation via PI3K-Akt-Rac1 Pathway Following Traumatic Brain Injury. <i>Molecular Neurobiology</i> , 2016, 53, 7298-7311.	1.9	97
25	Nerve growth factor improves functional recovery by inhibiting endoplasmic reticulum stress-induced neuronal apoptosis in rats with spinal cord injury. <i>Journal of Translational Medicine</i> , 2014, 12, 130.	1.8	96
26	Fibroblast Growth Factors Stimulate Hair Growth through β -Catenin and Shh Expression in C57BL/6 Mice. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	94
27	Role of pyroptosis in spinal cord injury and its therapeutic implications. <i>Journal of Advanced Research</i> , 2021, 28, 97-109.	4.4	94
28	A Thermosensitive Heparin-Poloxamer Hydrogel Bridges aFGF to Treat Spinal Cord Injury. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6725-6745.	4.0	90
29	bFGF attenuates endoplasmic reticulum stress and mitochondrial injury on myocardial ischaemia/reperfusion via activation of PI3K/Akt/ERK1/2 pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 595-607.	1.6	87
30	FGF21 mediates alcohol-induced adipose tissue lipolysis by activation of systemic release of catecholamine in mice. <i>Journal of Lipid Research</i> , 2015, 56, 1481-1491.	2.0	83
31	ATF4- and CHOP-Dependent Induction of FGF21 through Endoplasmic Reticulum Stress. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	76
32	Zwitterionic poly(sulfobetaine methacrylate) hydrogels with optimal mechanical properties for improving wound healing <i>in vivo</i> . <i>Journal of Materials Chemistry B</i> , 2019, 7, 1697-1707.	2.9	76
33	Endoplasmic Reticulum Stress: Relevance and Therapeutics in Central Nervous System Diseases. <i>Molecular Neurobiology</i> , 2015, 51, 1343-1352.	1.9	75
34	Glioma-targeted superparamagnetic iron oxide nanoparticles as drug-carrying vehicles for theranostic effects. <i>Nanoscale</i> , 2016, 8, 14222-14236.	2.8	75
35	Attenuation of Hyperlipidemia- and Diabetes-Induced Early-Stage Apoptosis and Late-Stage Renal Dysfunction via Administration of Fibroblast Growth Factor-21 Is Associated with Suppression of Renal Inflammation. <i>PLoS ONE</i> , 2013, 8, e82275.	1.1	74
36	TFE3, a potential therapeutic target for Spinal Cord Injury via augmenting autophagy flux and alleviating ER stress. <i>Theranostics</i> , 2020, 10, 9280-9302.	4.6	74

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37	Endoplasmic reticulum stress-induced neuronal inflammatory response and apoptosis likely plays a key role in the development of diabetic encephalopathy. <i>Oncotarget</i> , 2016, 7, 78455-78472.	0.8	73
38	Fibroblast growth factor 21 protects the heart from angiotensin II-induced cardiac hypertrophy and dysfunction via SIRT1. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1241-1252.	1.8	70
39	Effects of Transplanted Heparin-Poloxamer Hydrogel Combining Dental Pulp Stem Cells and bFGF on Spinal Cord Injury Repair. <i>Stem Cells International</i> , 2018, 2018, 1-13.	1.2	69
40	Glioma-targeted Delivery of a Theranostic Liposome Integrated with Quantum Dots, Superparamagnetic Iron Oxide, and Cilengitide for Dual-Imaging Guiding Cancer Surgery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701130.	3.9	68
41	Ras and Rap Signal Bidirectional Synaptic Plasticity via Distinct Subcellular Microdomains. <i>Neuron</i> , 2018, 98, 783-800.e4.	3.8	68
42	Novel multi-drug delivery hydrogel using scar-homing liposomes improves spinal cord injury repair. <i>Theranostics</i> , 2018, 8, 4429-4446.	4.6	68
43	Application of bioactive hydrogels combined with dental pulp stem cells for the repair of large gap peripheral nerve injuries. <i>Bioactive Materials</i> , 2021, 6, 638-654.	8.6	67
44	Glioma-targeted therapy using Cilengitide nanoparticles combined with UTMD enhanced delivery. <i>Journal of Controlled Release</i> , 2016, 224, 112-125.	4.8	66
45	Decellularized periosteum as a potential biologic scaffold for bone tissue engineering. <i>Acta Biomaterialia</i> , 2015, 19, 46-55.	4.1	65
46	Preparation and characterisation of bFGF-encapsulated liposomes and evaluation of wound-healing activities in the rat. <i>Burns</i> , 2011, 37, 886-895.	1.1	64
47	Novel H ₂ S Releasing Nanofibrous Coating for In Vivo Dermal Wound Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27474-27481.	4.0	64
48	Fibroblast growth factors, old kids on the new block. <i>Seminars in Cell and Developmental Biology</i> , 2016, 53, 155-167.	2.3	64
49	Multiple Low-Dose Radiation Prevents Type 2 Diabetes-Induced Renal Damage through Attenuation of Dyslipidemia and Insulin Resistance and Subsequent Renal Inflammation and Oxidative Stress. <i>PLoS ONE</i> , 2014, 9, e92574.	1.1	62
50	bFGF Promotes the Migration of Human Dermal Fibroblasts under Diabetic Conditions through Reactive Oxygen Species Production via the PI3K/Akt-Rac1- JNK Pathways. <i>International Journal of Biological Sciences</i> , 2015, 11, 845-859.	2.6	60
51	Fibroblast growth factors in the management of spinal cord injury. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 25-37.	1.6	60
52	Gastrodin reduces IL-1 β -induced apoptosis, inflammation, and matrix catabolism in osteoarthritis chondrocytes and attenuates rat cartilage degeneration in vivo. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 642-651.	2.5	59
53	Fibroblast growth factor 21 deficiency exacerbates chronic alcohol-induced hepatic steatosis and injury. <i>Scientific Reports</i> , 2016, 6, 31026.	1.6	58
54	NaHS restores mitochondrial function and inhibits autophagy by activating the PI3K/Akt/mTOR signalling pathway to improve functional recovery after traumatic brain injury. <i>Chemico-Biological Interactions</i> , 2018, 286, 96-105.	1.7	58

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55	Melatonin ameliorates intervertebral disc degeneration via the potential mechanisms of mitophagy induction and apoptosis inhibition. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2136-2148.	1.6	58
56	Thermo-sensitive hydrogels combined with decellularised matrix deliver bFGF for the functional recovery of rats after a spinal cord injury. <i>Scientific Reports</i> , 2016, 6, 38332.	1.6	57
57	Dual Regulations of Thermosensitive Heparin-Poloxamer Hydrogel Using μ -Polylysine: Bioadhesivity and Controlled KGF Release for Enhancing Wound Healing of Endometrial Injury. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29580-29594.	4.0	57
58	Glucagon-like peptide-1 receptor regulates endoplasmic reticulum stress-induced apoptosis and the associated inflammatory response in chondrocytes and the progression of osteoarthritis in rat. <i>Cell Death and Disease</i> , 2018, 9, 212.	2.7	56
59	Bioinspired biliverdin/silk fibroin hydrogel for antiglioma photothermal therapy and wound healing. <i>Theranostics</i> , 2020, 10, 11719-11736.	4.6	56
60	Silver crosslinked injectable bFGF-eluting supramolecular hydrogels speed up infected wound healing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1359-1370.	2.9	54
61	Single injection of a novel nerve growth factor coacervate improves structural and functional regeneration after sciatic nerve injury in adult rats. <i>Experimental Neurology</i> , 2017, 288, 1-10.	2.0	53
62	DL-3-n-butylphthalide ameliorates diabetes-associated cognitive decline by enhancing PI3K/Akt signaling and suppressing oxidative stress. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 347-360.	2.8	53
63	B19, a Novel Monocarbonyl Analogue of Curcumin, Induces Human Ovarian Cancer Cell Apoptosis via Activation of Endoplasmic Reticulum Stress and the Autophagy Signaling Pathway. <i>International Journal of Biological Sciences</i> , 2013, 9, 766-777.	2.6	52
64	Foxp1 Regulates Cortical Radial Migration and Neuronal Morphogenesis in Developing Cerebral Cortex. <i>PLoS ONE</i> , 2015, 10, e0127671.	1.1	52
65	Cell-penetrating peptide TAT-mediated delivery of acidic FGF to retina and protection against ischemia-reperfusion injury in rats. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 1998-2005.	1.6	51
66	Freeze-Thawing Chitosan/Ions Hydrogel Coated Gauzes Releasing Multiple Metal Ions on Demand for Improved Infected Wound Healing. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001591.	3.9	51
67	Gelatin Nanostructured Lipid Carriers Incorporating Nerve Growth Factor Inhibit Endoplasmic Reticulum Stress-Induced Apoptosis and Improve Recovery in Spinal Cord Injury. <i>Molecular Neurobiology</i> , 2016, 53, 4375-4386.	1.9	50
68	Mechanistic evaluation of gastroprotective effects of Kangfuxin on ethanol-induced gastric ulcer in mice. <i>Chemico-Biological Interactions</i> , 2017, 273, 115-124.	1.7	50
69	FGF1 improves functional recovery through inducing PRDX1 to regulate autophagy and anti-ROS after spinal cord injury. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2727-2738.	1.6	50
70	Temperature-sensitive heparin-modified poloxamer hydrogel with affinity to KGF facilitate the morphologic and functional recovery of the injured rat uterus. <i>Drug Delivery</i> , 2017, 24, 867-881.	2.5	49
71	Resveratrol post-treatment protects against neonatal brain injury after hypoxia-ischemia. <i>Oncotarget</i> , 2016, 7, 79247-79261.	0.8	48
72	Melatonin protects against blood-brain barrier damage by inhibiting the TLR4/ NF- κ B signaling pathway after LPS treatment in neonatal rats. <i>Oncotarget</i> , 2017, 8, 31638-31654.	0.8	48

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73	China's local governments are combating COVID-19 with unprecedented responses " from a Wenzhou governance perspective. <i>Frontiers of Medicine</i> , 2020, 14, 220-224.	1.5	48
74	Role of pyroptosis in liver diseases. <i>International Immunopharmacology</i> , 2020, 84, 106489.	1.7	48
75	Feedback Activation of Basic Fibroblast Growth Factor Signaling via the Wnt/ β -Catenin Pathway in Skin Fibroblasts. <i>Frontiers in Pharmacology</i> , 2017, 08, 32.	1.6	46
76	The hypothalamus as the primary brain region of metabolic abnormalities in APP/PS1 transgenic mouse model of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 263-273.	1.8	46
77	Fibroblast growth factor 21 facilitates peripheral nerve regeneration through suppressing oxidative damage and autophagic cell death. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 497-511.	1.6	46
78	Protective effects and mechanisms of bilirubin nanomedicine against acute pancreatitis. <i>Journal of Controlled Release</i> , 2020, 322, 312-325.	4.8	45
79	Retinoic Acid Induced-Autophagic Flux Inhibits ER-Stress Dependent Apoptosis and Prevents Disruption of Blood-Spinal Cord Barrier after Spinal Cord Injury. <i>International Journal of Biological Sciences</i> , 2016, 12, 87-99.	2.6	44
80	NGF Attenuates High Glucose-Induced ER Stress, Preventing Schwann Cell Apoptosis by Activating the PI3K/Akt/GSK3 β and ERK1/2 Pathways. <i>Neurochemical Research</i> , 2017, 42, 3005-3018.	1.6	44
81	Hyaluronic acid coated bilirubin nanoparticles attenuate ischemia reperfusion-induced acute kidney injury. <i>Journal of Controlled Release</i> , 2021, 334, 275-289.	4.8	44
82	Mussel-Inspired Surface Immobilization of Heparin on Magnetic Nanoparticles for Enhanced Wound Repair via Sustained Release of a Growth Factor and M2 Macrophage Polarization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2230-2244.	4.0	44
83	Regulation of Caveolin-1 and Junction Proteins by bFGF Contributes to the Integrity of Blood-Spinal Cord Barrier and Functional Recovery. <i>Neurotherapeutics</i> , 2016, 13, 844-858.	2.1	43
84	An injectable acellular matrix scaffold with absorbable permeable nanoparticles improves the therapeutic effects of docetaxel on glioblastoma. <i>Biomaterials</i> , 2016, 107, 44-60.	5.7	43
85	A novel CXCR4 antagonist derived from human SDF-1 β enhances angiogenesis in ischaemic mice. <i>Cardiovascular Research</i> , 2009, 82, 513-521.	1.8	42
86	Research Advances in Tissue Engineering Materials for Sustained Release of Growth Factors. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	42
87	Diallylbutylphthalide attenuates acute inflammatory activation in rats with spinal cord injury by inhibiting microglial TLR4/NF κ B signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3010-3022.	1.6	42
88	Metformin Promotes Axon Regeneration after Spinal Cord Injury through Inhibiting Oxidative Stress and Stabilizing Microtubule. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	1.9	42
89	Metformin promotes microglial cells to facilitate myelin debris clearance and accelerate nerve repairment after spinal cord injury. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1360-1371.	2.8	42
90	Lentivirus Mediating FGF13 Enhances Axon Regeneration after Spinal Cord Injury by Stabilizing Microtubule and Improving Mitochondrial Function. <i>Journal of Neurotrauma</i> , 2018, 35, 548-559.	1.7	41

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91	FGF21 augments autophagy in random-pattern skin flaps via AMPK signaling pathways and improves tissue survival. <i>Cell Death and Disease</i> , 2019, 10, 872.	2.7	41
92	Thermosensitive heparin-poloxamer hydrogel encapsulated bFGF and NGF to treat spinal cord injury. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8166-8178.	1.6	41
93	Cardiac Protection by Basic Fibroblast Growth Factor from Ischemia/Reperfusion-Induced Injury in Diabetic Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 444-449.	0.6	40
94	Pressure Combined with Ischemia/Reperfusion Injury Induces Deep Tissue Injury via Endoplasmic Reticulum Stress in a Rat Pressure Ulcer Model. <i>International Journal of Molecular Sciences</i> , 2016, 17, 284.	1.8	40
95	Dual Delivery of NGF and bFGF Coacervate Ameliorates Diabetic Peripheral Neuropathy via Inhibiting Schwann Cells Apoptosis. <i>International Journal of Biological Sciences</i> , 2017, 13, 640-651.	2.6	40
96	Pyroptosis in diabetic nephropathy. <i>Clinica Chimica Acta</i> , 2021, 523, 131-143.	0.5	40
97	Fibroblast growth factor 2 protects against renal ischaemia/reperfusion injury by attenuating mitochondrial damage and proinflammatory signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2909-2925.	1.6	39
98	Valproate Attenuates Endoplasmic Reticulum Stress-Induced Apoptosis in SH-SY5Y Cells via the AKT/GSK3 β Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2017, 18, 315.	1.8	39
99	Inhibition of Endoplasmic Reticulum Stress Preserves the Integrity of Blood-Spinal Cord Barrier in Diabetic Rats Subjected to Spinal Cord Injury. <i>Scientific Reports</i> , 2017, 7, 7661.	1.6	39
100	Epidermal growth factor attenuates blood-spinal cord barrier disruption via PI3K/Akt/Rac1 pathway after acute spinal cord injury. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1062-1075.	1.6	38
101	Autophagy regulation revealed by SapM-induced block of autophagosome-lysosome fusion via binding RAB7. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 401-407.	1.0	37
102	DL-3-n-butylphthalide prevents the disruption of blood-spinal cord barrier via inhibiting endoplasmic reticulum stress following spinal cord injury. <i>International Journal of Biological Sciences</i> , 2017, 13, 1520-1531.	2.6	37
103	Histone deacetylase 6 inhibition restores autophagic flux to promote functional recovery after spinal cord injury. <i>Experimental Neurology</i> , 2020, 324, 113138.	2.0	37
104	The activation of the NF- κ B-JNK pathway is independent of the PI3K-Rac1-JNK pathway involved in the bFGF-regulated human fibroblast cell migration. <i>Journal of Dermatological Science</i> , 2016, 82, 28-37.	1.0	36
105	Cytokines and Diabetes Research. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-2.	1.0	35
106	Gastroprotective effects of Kangfuxin-against ethanol-induced gastric ulcer via attenuating oxidative stress and ER stress in mice. <i>Chemico-Biological Interactions</i> , 2016, 260, 75-83.	1.7	35
107	Sustained-release of FGF-2 from a hybrid hydrogel of heparin-poloxamer and decellular matrix promotes the neuroprotective effects of proteins after spinal injury. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 681-694.	3.3	35
108	FGF10 Enhances Peripheral Nerve Regeneration via the Preactivation of the PI3K/Akt Signaling-Mediated Antioxidant Response. <i>Frontiers in Pharmacology</i> , 2019, 10, 1224.	1.6	35

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109	Baicalin alleviates hyperglycemia-induced endothelial impairment via Nrf2. <i>Journal of Endocrinology</i> , 2019, 240, 81-98.	1.2	35
110	Roles of Neuroglobin Binding to Mitochondrial Complex III Subunit Cytochrome c1 in Oxygen-Glucose Deprivation-Induced Neurotoxicity in Primary Neurons. <i>Molecular Neurobiology</i> , 2016, 53, 3249-3257.	1.9	34
111	Importance of zwitterionic incorporation into polymethacrylate-based hydrogels for simultaneously improving optical transparency, oxygen permeability, and antifouling properties. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4595-4606.	2.9	34
112	Hydrogen Sulfide Ameliorates Blood-Spinal Cord Barrier Disruption and Improves Functional Recovery by Inhibiting Endoplasmic Reticulum Stress-Dependent Autophagy. <i>Frontiers in Pharmacology</i> , 2018, 9, 858.	1.6	34
113	Exploiting crosslinked decellularized matrix to achieve uterus regeneration and construction. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 218-229.	1.9	34
114	Diabetes Induces Abnormal Ovarian Function via Triggering Apoptosis of Granulosa Cells and Suppressing Ovarian Angiogenesis. <i>International Journal of Biological Sciences</i> , 2017, 13, 1297-1308.	2.6	33
115	Thiolated γ -polyglutamic acid as a bioadhesive hydrogel-forming material: evaluation of gelation, bioadhesive properties and sustained release of KGF in the repair of injured corneas. <i>Biomaterials Science</i> , 2019, 7, 2582-2599.	2.6	32
116	Nerve growth factor-induced Akt/mTOR activation protects the ischemic heart via restoring autophagic flux and attenuating ubiquitinated protein accumulation. <i>Oncotarget</i> , 2017, 8, 5400-5413.	0.8	32
117	Skin-permeable liposome improved stability and permeability of bFGF against skin of mice with deep second degree scald to promote hair follicle neogenesis through inhibition of scar formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 573-585.	2.5	31
118	Edaravone attenuates traumatic brain injury through anti-inflammatory and anti-oxidative modulation. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 467-474.	0.8	31
119	Identification of a novel peptide that blocks basic fibroblast growth factor-mediated cell proliferation. <i>Oncotarget</i> , 2013, 4, 1819-1828.	0.8	31
120	The Role of bFGF in the Excessive Activation of Astrocytes Is Related to the Inhibition of TLR4/NF κ B Signals. <i>International Journal of Molecular Sciences</i> , 2016, 17, 37.	1.8	30
121	Basic fibroblast growth factor promotes melanocyte migration via activating PI3K/Akt/Rac1/FAK/JNK and ERK signaling pathways. <i>IUBMB Life</i> , 2016, 68, 735-747.	1.5	30
122	Diallylbutylphthalide improves traumatic brain injury recovery via inhibiting autophagy-induced blood-brain barrier disruption and cell apoptosis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1220-1232.	1.6	30
123	Sustained-release of PDGF from PLGA microsphere embedded thermo-sensitive hydrogel promoting wound healing by inhibiting autophagy. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101405.	1.4	30
124	Metformin treatment after the hypoxia-ischemia attenuates brain injury in newborn rats. <i>Oncotarget</i> , 2017, 8, 75308-75325.	0.8	30
125	Transplantation of bFGF-expressing neural stem cells promotes cell migration and functional recovery in rat brain after transient ischemic stroke. <i>Oncotarget</i> , 2017, 8, 102067-102077.	0.8	30
126	Autophagy-targeted vaccine of LC3-Lp α H DNA and its protective immunity in a murine model of tuberculosis. <i>Vaccine</i> , 2014, 32, 2308-2314.	1.7	29

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127	Chloroquine Promotes the Recovery of Acute Spinal Cord Injury by Inhibiting Autophagy-Associated Inflammation and Endoplasmic Reticulum Stress. <i>Journal of Neurotrauma</i> , 2018, 35, 1329-1344.	1.7	29
128	Acute ethanol exposure-induced autophagy-mediated cardiac injury via activation of the ROS/JNK/Bcl-2 pathway. <i>Journal of Cellular Physiology</i> , 2018, 233, 924-935.	2.0	29
129	Mangiferin Prevents TBHP-Induced Apoptosis and ECM Degradation in Mouse Osteoarthritic Chondrocytes via Restoring Autophagy and Ameliorates Murine Osteoarthritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-17.	1.9	29
130	Role of pyroptosis in cancer and its therapeutic regulation. <i>European Journal of Pharmacology</i> , 2021, 910, 174444.	1.7	29
131	Versatile subtypes of pericytes and their roles in spinal cord injury repair, bone development and repair. <i>Bone Research</i> , 2022, 10, 30.	5.4	29
132	Cloning and characterizing mutated human stromal cell-derived factor-1 (SDF-1): C-terminal 1±-helix of SDF-1± plays a critical role in CXCR4 activation and signaling, but not in CXCR4 binding affinity. <i>Experimental Hematology</i> , 2006, 34, 1553-1562.	0.2	28
133	Cardiac-specific overexpression of catalase prevents diabetes-induced pathological changes by inhibiting NF- κ B signaling activation in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 314-325.	0.9	28
134	Role of MiR-126a-3p in Endothelial Injury in Endotoxic Mice. <i>Critical Care Medicine</i> , 2016, 44, e639-e650.	0.4	28
135	bFGF Protects Against Oxygen Glucose Deprivation/Reoxygenation-Induced Endothelial Monolayer Permeability via S1PR1-Dependent Mechanisms. <i>Molecular Neurobiology</i> , 2018, 55, 3131-3142.	1.9	28
136	Stabilization of Hypoxia Inducible Factor-1± by Dimethylxylglycine Promotes Recovery from Acute Spinal Cord Injury by Inhibiting Neural Apoptosis and Enhancing Axon Regeneration. <i>Journal of Neurotrauma</i> , 2019, 36, 3394-3409.	1.7	28
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