Kun Xiong

List of Publications by Year
in descending order

74 papers	1,881 citations	270111 25 h-index	371746 37 g-index
76 all docs	76 docs citations	76 times ranked	2047 citing authors

#	Article	IF	Citations
1	Do pyroptosis, apoptosis, and necroptosis (PANoptosis) exist in cerebral ischemia? Evidence from cell and rodent studies. Neural Regeneration Research, 2022, 17, 1761.	1.6	63
2	Stem Cell Transplantation in the Treatment of Type 1 Diabetes Mellitus: From Insulin Replacement to Beta-Cell Replacement. Frontiers in Endocrinology, 2022, 13, 859638.	1.5	17
3	Insight into Crosstalk Between Mitophagy and Apoptosis/Necroptosis: Mechanisms and Clinical Applications in Ischemic Stroke. Current Medical Science, 2022, 42, 237-248.	0.7	20
4	Research trends, hot spots and prospects for necroptosis in the field of neuroscience. Neural Regeneration Research, 2021, 16, 1628.	1.6	69
5	iTRAQ-based proteomic analysis of the rat striatum in response to methamphetamine preconditioning. Acta Biochimica Et Biophysica Sinica, 2021, 53, 636-639.	0.9	3
6	Guidelines for Regulated Cell Death Assays: A Systematic Summary, A Categorical Comparison, A Prospective. Frontiers in Cell and Developmental Biology, 2021, 9, 634690.	1.8	61
7	Adenosine A3 receptor activated in H2O2 oxidative stress of primary open-angle glaucoma. Annals of Translational Medicine, 2021, 9, 526-526.	0.7	4
8	Programmed cell death in stem cell-based therapy: Mechanisms and clinical applications. World Journal of Stem Cells, 2021, 13, 386-415.	1.3	20
9	c-FLIP regulates pyroptosis in retinal neurons following oxygen-glucose deprivation/recovery via a GSDMD-mediated pathway. Annals of Anatomy, 2021, 235, 151672.	1.0	22
10	The Role of HSP90Î± in Methamphetamine/Hyperthermia-Induced Necroptosis in Rat Striatal Neurons. Frontiers in Pharmacology, 2021, 12, 716394.	1.6	21
11	A systematic summary of survival and death signalling during the life of hair follicle stem cells. Stem Cell Research and Therapy, 2021, 12, 453.	2.4	46
12	Tissue-derived extracellular vesicles: Research progress from isolation to application. Pathology Research and Practice, 2021, 226, 153604.	1.0	10
13	Extracellular vesicles derived from mesenchymal stem cells: A platform that can be engineered. Histology and Histopathology, 2021, 36, 615-632.	0.5	5
14	The Role of Statins in the Management of Delirium: Recent Advances. CNS and Neurological Disorders - Drug Targets, 2021, 20, 203-215.	0.8	6
15	Regulatory Role of Chinese Herbal Medicine in Regulated Neuronal Death. CNS and Neurological Disorders - Drug Targets, 2021, 20, 228-248.	0.8	13
16	Regulatory Strategies for Cell Death in Neurological Diseases. CNS and Neurological Disorders - Drug Targets, 2021, 20, 201-202.	0.8	0
17	The Multi-Modal Risk Analysis and Medical Prevention of Lumbar Degeneration, Fatigue, and Injury Based on FEM/BMD for Elderly Chinese Women Who Act as Stay-Home Grandchildren Sitters. Frontiers in Public Health, 2021, 9, 700148.	1.3	0
18	Targeting Programmed Cell Death to Improve Stem Cell Therapy: Implications for Treating Diabetes and Diabetes-Related Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 809656.	1.8	12

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19	Regional Expression of Act-MMP3 Contributes to the Selective Loss of Neurons in Ganglion Cell Layers following Acute Retinal ischemia/Reperfusion Injury. Current Eye Research, 2020, 45, 591-603.	0.7	7
20	Normal vitreous promotes angiogenesi via the epidermal growth factor receptor. FASEB Journal, 2020, 34, 14799-14809.	0.2	3
21	Progress in studies of epidermal stem cells and their application in skin tissue engineering. Stem Cell Research and Therapy, 2020, 11, 303.	2.4	30
22	Involvement of miRNA203 in the proliferation of epidermal stem cells during the process of DM chronic wound healing through Wnt signal pathways. Stem Cell Research and Therapy, 2020, 11, 348.	2.4	13
23	Cdk5-mediated Drp1 phosphorylation drives mitochondrial defects and neuronal apoptosis in radiation-induced optic neuropathy. Cell Death and Disease, 2020, 11, 720.	2.7	37
24	Development of a prognostic signature for bladder cancer based on immune-related genes. Annals of Translational Medicine, 2020, 8, 1380-1380.	0.7	3
25	Analysis of factors related to prognosis and death of fish bile poisoning in China: A retrospective study. Basic and Clinical Pharmacology and Toxicology, 2020, 127, 419-428.	1.2	3
26	Circular RNA circKIF4A Sponges miR-375/1231 to Promote Bladder Cancer Progression by Upregulating NOTCH2 Expression. Frontiers in Pharmacology, 2020, 11, 605.	1.6	24
27	Metabonomic profiling of blood plasma from erectile dysfunction patients using ¹H nuclear magnetic resonance spectroscopy. Acta Biochimica Et Biophysica Sinica, 2020, 52, 332-335.	0.9	2
28	RSK3 mediates necroptosis by regulating phosphorylation of RIP3 in rat retinal ganglion cells. Journal of Anatomy, 2020, 237, 29-47.	0.9	28
29	The International Teaching and Practice of Cryobiology and Biobankology Course in China. Biopreservation and Biobanking, 2020, 18, 10-13.	0.5	5
30	CPS1 expression and its prognostic significance in lung adenocarcinoma. Annals of Translational Medicine, 2020, 8, 341-341.	0.7	27
31	How does temperature play a role in the storage of extracellular vesicles?. Journal of Cellular Physiology, 2020, 235, 7663-7680.	2.0	35
32	Bibliometric Analysis of the Inflammasome and Pyroptosis in Brain. Frontiers in Pharmacology, 2020, 11, 626502.	1.6	58
33	NDRG2 attenuates ischemia-induced astrocyte necroptosis via the repression of RIPK1. Molecular Medicine Reports, 2020, 22, 3103-3110.	1.1	15
34	RIP3/MLKL-mediated neuronal necroptosis induced by methamphetamine at 39Â°C. Neural Regeneration Research, 2020, 15, 865.	1.6	26
35	Epidermal stem cells in wound healing and their clinical applications. Stem Cell Research and Therapy, 2019, 10, 229.	2.4	107
36	Pin1 Is Regulated by CaMKII Activation in Glutamate-Induced Retinal Neuronal Regulated Necrosis. Frontiers in Cellular Neuroscience, 2019, 13, 276.	1.8	14

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37	Silencing of GAS5 Alleviates Glaucoma in Rat Models by Reducing Retinal Ganglion Cell Apoptosis. Human Gene Therapy, 2019, 30, 1505-1519.	1.4	27
38	Antioxidant cascades confer neuroprotection in ethanol, morphine, and methamphetamine preconditioning. Neurochemistry International, 2019, 131, 104540.	1.9	13
39	Current status and potential role of circular RNAs in neurological disorders. Journal of Neurochemistry, 2019, 150, 237-248.	2.1	43
40	Redox regulation in hydrogen sulfide action: From neurotoxicity to neuroprotection. Neurochemistry International, 2019, 128, 58-69.	1.9	10
41	A rare variation of the hemiazygos vein draining into the persistent left superior vena cava. Anatomical Science International, 2019, 94, 269-273.	0.5	2
42	Calpain2 but not calpain1 mediated by calpastatin following glutamate-induced regulated necrosis in rat retinal neurons. Annals of Anatomy, 2019, 221, 57-67.	1.0	16
43	Expression signatures of long non-coding RNA and mRNA in human traumatic brain injury. Neural Regeneration Research, 2019, 14, 632.	1.6	33
44	A shortage of cadavers: The predicament of regional anatomy education in mainland China. Anatomical Sciences Education, 2018, 11, 397-402.	2.5	43
45	Inhibition of HSP90Î± protects cultured neurons from oxygenâ€glucose deprivation induced necroptosis by decreasing RIP3 expression. Journal of Cellular Physiology, 2018, 233, 4864-4884.	2.0	46
46	microRNA-203 Modulates Wound Healing and Scar Formation via Suppressing Hes1 Expression in Epidermal Stem Cells. Cellular Physiology and Biochemistry, 2018, 49, 2333-2347.	1.1	26
47	Progress in studies of necroptosis and its relationship to disease processes. Pathology Research and Practice, 2018, 214, 1749-1757.	1.0	13
48	The Main Molecular Mechanisms Underlying Methamphetamine- Induced Neurotoxicity and Implications for Pharmacological Treatment. Frontiers in Molecular Neuroscience, 2018, 11, 186.	1.4	138
49	Drilling Combined with Adipose-derived Stem Cells and Bone Morphogenetic Protein-2 to Treat Femoral Head Epiphyseal Necrosis in Juvenile Rabbits. Current Medical Science, 2018, 38, 277-288.	0.7	15
50	Using drugs to target necroptosis: dual roles in disease therapy. Histology and Histopathology, 2018, 33, 773-789.	0.5	14
51	Regulatory role of calpain in neuronal death. Neural Regeneration Research, 2018, 13, 556.	1.6	67
52	The effects and regulatory mechanism of RIP3 on RGC-5 necroptosis following elevated hydrostatic pressure. Acta Biochimica Et Biophysica Sinica, 2017, 49, 128-137.	0.9	22
53	Basic fibroblast growth factor reduces scar by inhibiting the differentiation of epidermal stem cells to myofibroblasts via the Notch1/Jagged1 pathway. Stem Cell Research and Therapy, 2017, 8, 114.	2.4	35
54	Overview of long non-coding RNA and mRNA expression in response to methamphetamine treatment in vitro. Toxicology in Vitro, 2017, 44, 1-10.	1.1	34

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55	Enhanced biocompatibility and osseointegration of calcium titanate coating on titanium screws in rabbit femur. Journal of Huazhong University of Science and Technology [Medical Sciences], 2017, 37, 362-370.	1.0	10
56	Mixed lineage kinase domain-like protein induces RGC-5 necroptosis following elevated hydrostatic pressure. Acta Biochimica Et Biophysica Sinica, 2017, 49, 879-889.	0.9	24
57	Circular RNAs: A Novel Player in Development and Disease of the Central Nervous System. Frontiers in Cellular Neuroscience, 2017, 11, 354.	1.8	66
58	Pin1 Promotes Regulated Necrosis Induced by Glutamate in Rat Retinal Neurons via CAST/Calpain2 Pathway. Frontiers in Cellular Neuroscience, 2017, 11, 425.	1.8	27
59	Macroglia-derived thrombospondin 2 regulates alterations of presynaptic proteins of retinal neurons following elevated hydrostatic pressure. PLoS ONE, 2017, 12, e0185388.	1.1	16
60	Inhibition of calpain on oxygen glucose deprivation-induced RGC-5 necroptosis. Journal of Huazhong University of Science and Technology [Medical Sciences], 2016, 36, 639-645.	1.0	19
61	Necroptosis contributes to methamphetamine-induced cytotoxicity in rat cortical neurons. Toxicology in Vitro, 2016, 35, 163-168.	1.1	34
62	The Toxic Effect of ALLN on Primary Rat Retinal Neurons. Neurotoxicity Research, 2016, 30, 392-406.	1.3	19
63	Receptor interacting protein 3-induced RGC-5 cell necroptosis following oxygen glucose deprivation. BMC Neuroscience, 2015, 16, 49.	0.8	37
64	Study on establishment and mechanics application of finite element model of bovine eye. BMC Ophthalmology, 2015, 15, 101.	0.6	9
65	Antibodies with Higher Bactericidal Activity Induced by a Neisseria gonorrhoeae Rmp Deletion Mutant Strain. PLoS ONE, 2014, 9, e90525.	1.1	7
66	The effect and underlying mechanism of Timosaponin B-II on RGC-5 necroptosis induced by hydrogen peroxide. BMC Complementary and Alternative Medicine, 2014, 14, 459.	3.7	23
67	Regulatory effects of inhibiting the activation of glial cells on retinal synaptic plasticity. Neural Regeneration Research, 2014, 9, 385.	1.6	8
68	Calpain: a molecule to induce AIF-mediated necroptosis in RGC-5 following elevated hydrostatic pressure. BMC Neuroscience, 2014, 15, 63.	0.8	43
69	Effect of type-2 astrocytes on the viability of dorsal root ganglion neurons and length of neuronal processes. Neural Regeneration Research, 2014, 9, 119.	1.6	6
70	Differential neuronal expression of receptor interacting protein 3 in rat retina: involvement in ischemic stress response. BMC Neuroscience, 2013, 14, 16.	0.8	54
71	Distribution of thrombospondins and their neuronal receptor Î±2Î´1 in the rat retina. Experimental Eye Research, 2013, 111, 36-49.	1.2	22
72	The correlation between rat retinal nerve fiber layer thickness around optic disc by using optical coherence tomography and histological measurements. International Journal of Ophthalmology, 2013, 6, 415-21.	0.5	4

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73	Timosaponin-BII inhibits the up-regulation of BACE1 induced by Ferric Chloride in rat retina. BMC Complementary and Alternative Medicine, 2012, 12, 189.	3.7	22
74	Spatiotemporal alterations of presynaptic elements in the retina after high intraocular pressure. Neural Regeneration Research, 2012, 7, 1234-40.	1.6	5