

# Huazi Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

3,325  
citations

136885

32  
h-index

161767

54  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Bioactive Self-Healing Antibacterial Exosomes Hydrogel for Promoting Chronic Diabetic Wound Healing and Complete Skin Regeneration. <i>Theranostics</i> , 2019, 9, 65-76.	4.6	527
2	Metformin protects against apoptosis and senescence in nucleus pulposus cells and ameliorates disc degeneration in vivo. <i>Cell Death and Disease</i> , 2016, 7, e2441-e2441.	2.7	240
3	Trehalose ameliorates oxidative stress-mediated mitochondrial dysfunction and ER stress via selective autophagy stimulation and autophagic flux restoration in osteoarthritis development. <i>Cell Death and Disease</i> , 2017, 8, e3081-e3081.	2.7	173
4	Apoptosis, senescence, and autophagy in rat nucleus pulposus cells: Implications for diabetic intervertebral disc degeneration. <i>Journal of Orthopaedic Research</i> , 2013, 31, 692-702.	1.2	150
5	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
6	Highly efficient local delivery of endothelial progenitor cells significantly potentiates angiogenesis and full-thickness wound healing. <i>Acta Biomaterialia</i> , 2018, 69, 156-169.	4.1	92
7	A Thermosensitive Heparin-Poloxamer Hydrogel Bridges aFGF to Treat Spinal Cord Injury. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6725-6745.	4.0	90
8	Coupling factors and exosomal packaging microRNA involved in the regulation of bone remodelling. <i>Biological Reviews</i> , 2018, 93, 469-480.	4.7	76
9	TFEB, 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
10	Novel multi-drug delivery hydrogel using scar-homing liposomes improves spinal cord injury repair. <i>Theranostics</i> , 2018, 8, 4429-4446.	4.6	68
11	Effect of pH and succinic acid on the morphology of $\beta$ -calcium sulfate hemihydrate synthesized by a salt solution method. <i>Journal of Crystal Growth</i> , 2013, 374, 31-36.	0.7	64
12	TFEB, a potential therapeutic target for osteoarthritis via autophagy regulation. <i>Cell Death and Disease</i> , 2018, 9, 858.	2.7	63
13	TFEB protects nucleus pulposus cells against apoptosis and senescence via restoring autophagic flux. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 347-357.	0.6	62
14	Endothelial cells produce angiocrine factors to regulate bone and cartilage via versatile mechanisms. <i>Theranostics</i> , 2020, 10, 5957-5965.	4.6	55
15	Stabilization of HIF-1 $\beta$ by FG-4592 promotes functional recovery and neural protection in experimental spinal cord injury. <i>Brain Research</i> , 2016, 1632, 19-26.	1.1	54
16	The Temporal Pattern, Flux, and Function of Autophagy in Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2017, 18, 466.	1.8	54
17	Role of Pyroptosis in Traumatic Brain and Spinal Cord Injuries. <i>International Journal of Biological Sciences</i> , 2020, 16, 2042-2050.	2.6	54
18	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

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19	Engineering Scaffolds Integrated with Calcium Sulfate and Oyster Shell for Enhanced Bone Tissue Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 12177-12188.	4.0	48
20	Carbon monoxide releasing molecule-3 alleviates neuron death after spinal cord injury via inflammasome regulation. <i>EBioMedicine</i> , 2019, 40, 643-654.	2.7	48
21	Monotropein promotes angiogenesis and inhibits oxidative stress-induced autophagy in endothelial progenitor cells to accelerate wound healing. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1583-1600.	1.6	44
22	Trehalose promotes the survival of random-pattern skin flaps by TFEB mediated autophagy enhancement. <i>Cell Death and Disease</i> , 2019, 10, 483.	2.7	44
23	Metformin ameliorates BSCB disruption by inhibiting neutrophil infiltration and MMP-9 expression but not direct TJ proteins expression regulation. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3322-3336.	1.6	42
24	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
25	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
26	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
27	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
28	The effects of lactate and acid on articular chondrocytes function: Implications for polymeric cartilage scaffold design. <i>Acta Biomaterialia</i> , 2016, 42, 329-340.	4.1	37
29	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
30	Metformin Promotes the Survival of Random-Pattern Skin Flaps by Inducing Autophagy via the AMPK-mTOR-TFEB signaling pathway. <i>International Journal of Biological Sciences</i> , 2019, 15, 325-340.	2.6	37
31	Microporous polysaccharide multilayer coated BCP composite scaffolds with immobilised calcitriol promote osteoporotic bone regeneration both in vitro and in vivo. <i>Theranostics</i> , 2019, 9, 1125-1143.	4.6	36
32	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
33	Madecassoside inhibits estrogen deficiency-induced osteoporosis by suppressing RANKL-induced osteoclastogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 380-394.	1.6	34
34	Lactate downregulates matrix synthesis and promotes apoptosis and autophagy in rat nucleus pulposus cells. <i>Journal of Orthopaedic Research</i> , 2014, 32, 253-261.	1.2	33
35	AAV2-mediated and hypoxia response element-directed expression of bFGF in neural stem cells showed therapeutic effects on spinal cord injury in rats. <i>Cell Death and Disease</i> , 2021, 12, 274.	2.7	32
36	The Role of bFGF in the Excessive Activation of Astrocytes Is Related to the Inhibition of TLR4/NF- $\kappa$ B Signals. <i>International Journal of Molecular Sciences</i> , 2016, 17, 37.	1.8	30

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37	Salvianolic Acid B Promotes the Survival of Random-Pattern Skin Flaps in Rats by Inducing Autophagy. <i>Frontiers in Pharmacology</i> , 2018, 9, 1178.	1.6	30
38	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
39	Baicalein Attenuates Pyroptosis and Endoplasmic Reticulum Stress Following Spinal Cord Ischemia-Reperfusion Injury via Autophagy Enhancement. <i>Frontiers in Pharmacology</i> , 2020, 11, 1076.	1.6	28
40	Multifaceted effects of astragaloside IV on promotion of random pattern skin flap survival in rats. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 4161-4172.	0.0	28
41	Lithium chloride contributes to bloodâ€“spinal cord barrier integrity and functional recovery from spinal cord injury by stimulating autophagic flux. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2525-2531.	1.0	25
42	Betulinic Acid Enhances the Viability of Random-Pattern Skin Flaps by Activating Autophagy. <i>Frontiers in Pharmacology</i> , 2019, 10, 1017.	1.6	25
43	DI-3-n-butylphthalide improves functional recovery in rats with spinal cord injury by inhibiting endoplasmic reticulum stress-induced apoptosis. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 1075-1087.	0.0	25
44	NPNT is Expressed by Osteoblasts and Mediates Angiogenesis via the Activation of Extracellular Signal-regulated Kinase. <i>Scientific Reports</i> , 2016, 6, 36210.	1.6	24
45	Loureirin B Promotes Axon Regeneration by Inhibiting Endoplasmic Reticulum Stress: Induced Mitochondrial Dysfunction and Regulating the Akt/GSK-3 <sup>Î²</sup> Pathway after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 1949-1964.	1.7	23
46	Effects of the traditional Chinese medicine baicalein on the viability of random pattern skin flaps in rats. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 2267-2276.	2.0	22
47	The repair and autophagy mechanisms of hypoxia-regulated bFGF-modified primary embryonic neural stem cells in spinal cord injury. <i>Stem Cells Translational Medicine</i> , 2020, 9, 603-619.	1.6	22
48	The cross-talk between autophagy and endoplasmic reticulum stress in blood-spinal cord barrier disruption after spinal cord injury. <i>Oncotarget</i> , 2017, 8, 1688-1702.	0.8	21
49	MFG-E8 alleviates intervertebral disc degeneration by suppressing pyroptosis and extracellular matrix degradation in nucleus pulposus cells via Nrf2/TXNIP/NLRP3 axis. <i>Cell Death Discovery</i> , 2022, 8, 209.	2.0	21
50	Chondromodulin-1 in health, osteoarthritis, cancer, and heart disease. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4493-4502.	2.4	20
51	The role of glial cell lineâ€“derived neurotrophic factor family member artemin in neurological disorders and cancers. <i>Cell Proliferation</i> , 2020, 53, e12860.	2.4	20
52	Differentiation of Menstrual Bloodâ€“Derived Stem Cells Toward Nucleus Pulposus-Like Cells in a Coculture System With Nucleus Pulposus Cells. <i>Spine</i> , 2014, 39, 754-760.	1.0	19
53	Astilbin prevents bone loss in ovariectomized mice through the inhibition of RANKLâ€“induced osteoclastogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 8355-8368.	1.6	16
54	Trehalose Augments Neuron Survival and Improves Recovery from Spinal Cord Injury via mTOR-Independent Activation of Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	16

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55	Morphology Control and Self-Setting Modification of Calcium Sulfate Hemihydrate Bone Cement by Addition of Ethanol. <i>International Journal of Applied Ceramic Technology</i> , 2013, 10, E219.	1.1	15
56	Exenatide improves random pattern skin flap survival via TFE3 mediated autophagy augment. <i>Journal of Cellular Physiology</i> , 2021, 236, 3641-3659.	2.0	15
57	Valproic acid enhances the viability of random pattern skin flaps: involvement of enhancing angiogenesis and inhibiting oxidative stress and apoptosis. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3951-3960.	2.0	14
58	Molecular structure and the role of high temperature requirement protein 1 in skeletal disorders and cancers. <i>Cell Proliferation</i> , 2020, 53, e12746.	2.4	14
59	Calmodulin interacts with Rab3D and modulates osteoclastic bone resorption. <i>Scientific Reports</i> , 2016, 6, 37963.	1.6	13
60	Inhibiting endoplasmic reticulum stress by lithium chloride contributes to the integrity of blood-spinal cord barrier and functional recovery after spinal cord injury. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 1012-1024.	0.0	12
61	Targeting TFE3 Protects Against Lysosomal Malfunction-Induced Pyroptosis in Random Skin Flaps via ROS Elimination. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 643996.	1.8	11
62	&lt;p&gt;Therapeutic potential of pravastatin for random skin flaps necrosis: involvement of promoting angiogenesis and inhibiting apoptosis and oxidative stress&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1461-1472.	2.0	10
63	Phenylbutyrate prevents disruption of blood-spinal cord barrier by inhibiting endoplasmic reticulum stress after spinal cord injury. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 1864-75.	0.0	10
64	CO-Releasing Molecule (CORM)-3 Ameliorates Spinal Cord-Blood Barrier Disruption Following Injury to the Spinal Cord. <i>Frontiers in Pharmacology</i> , 2020, 11, 761.	1.6	7