Xiang Zeng

List of Publications by Year
in descending order

44	1,563	236925 25	315739 38
papers	citations	h-index	g-index

45	45	45	2166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microorganisms from deep-sea hydrothermal vents. Marine Life Science and Technology, 2021, 3, 204-230.	4.6	34
2	Thermosipho ferrireducens sp.nov., an anaerobic thermophilic iron(III)-reducing bacterium isolated from a deep-sea hydrothermal sulfide deposits. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	5
3	Fusibacter ferrireducens sp. nov., an anaerobic, Fe(â...¢)- and sulphur-reducing bacterium isolated from mangrove sediment. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	12
4	Genome sequencing of deep-sea hydrothermal vent snails reveals adaptions to extreme environments. GigaScience, 2020, 9, .	6.4	5
5	Metabolic Adaptation to Sulfur of Hyperthermophilic Palaeococcus pacificus DY20341T from Deep-Sea Hydrothermal Sediments. International Journal of Molecular Sciences, 2020, 21, 368.	4.1	8
6	Conducting Research During the COVID-19 Pandemic: How Scientific Community Should be Prepared?. Neurospine, 2020, 17, 351-353.	2.9	4
7	Wocania indica gen. nov., sp. nov., isolated from deep sea hydrothermal sulfide in the northwest Indian Ocean, and proposal to reclassify Flaviramulus ichthyoenteri as Wocania ichthyoenteri comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5488-5496.	1.7	12
8	Physical impacts of PLGA scaffolding on hMSCs: Recovery neurobiology insight for implant design to treat spinal cord injury. Experimental Neurology, 2019, 320, 112980.	4.1	19
9	Tissueâ€Engineered Neural Network Graft Relays Excitatory Signal in the Completely Transected Canine Spinal Cord. Advanced Science, 2019, 6, 1901240.	11.2	15
10	Electroacupuncture Facilitates the Integration of Neural Stem Cell-Derived Neural Network with Transected Rat Spinal Cord. Stem Cell Reports, 2019, 12, 274-289.	4.8	29
11	Neurotrophinâ€3 released from implant of tissueâ€engineered fibroin scaffolds inhibits inflammation, enhances nerve fiber regeneration, and improves motor function in canine spinal cord injury. Journal of Biomedical Materials Research - Part A, 2018, 106, 2158-2170.	4.0	37
12	Perineurium-like sheath derived from long-term surviving mesenchymal stem cells confers nerve protection to the injured spinal cord. Biomaterials, 2018, 160, 37-55.	11.4	35
13	TRPV4: a Sensor for Homeostasis and Pathological Events in the CNS. Molecular Neurobiology, 2018, 55, 8695-8708.	4.0	32
14	Pathophysiological Bases of Comorbidity: Traumatic Brain Injury and Post-Traumatic Stress Disorder. Journal of Neurotrauma, 2018, 35, 210-225.	3.4	91
15	Updates on Human Neural Stem Cells: From Generation, Maintenance, and Differentiation to Applications in Spinal Cord Injury Research. Results and Problems in Cell Differentiation, 2018, 66, 233-248.	0.7	5
16	Oral Administration of Î±-Asarone Promotes Functional Recovery in Rats With Spinal Cord Injury. Frontiers in Pharmacology, 2018, 9, 445.	3.5	16
17	A Modular Assembly of Spinal Cordâ€"Like Tissue Allows Targeted Tissue Repair in the Transected Spinal Cord. Advanced Science, 2018, 5, 1800261.	11.2	34
18	Recovery of paralyzed limb motor function in canine with complete spinal cord injury following implantation of MSC-derived neural network tissue. Biomaterials, 2018, 181, 15-34.	11.4	51

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19	Neutrophil elastase inhibition effectively rescued angiopoietin-1 decrease and inhibits glial scar after spinal cord injury. Acta Neuropathologica Communications, 2018, 6, 73.	5.2	36
20	Defining recovery neurobiology of injured spinal cord by synthetic matrix-assisted hMSC implantation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E820-E829.	7.1	85
21	Targeted Nanotechnology in Glioblastoma Multiforme. Frontiers in Pharmacology, 2017, 8, 166.	3.5	120
22	Multimodal Neural Stem Cell Research Protocols for Experimental Spinal Cord Injuries. Neuromethods, 2017, , 157-173.	0.3	0
23	The Effects of Thermal Preconditioning on Oncogenic and Intraspinal Cord Growth Features of Human Glioma Cells. Cell Transplantation, 2016, 25, 2099-2109.	2.5	11
24	Adrenergic activation attenuates astrocyte swelling induced by hypotonicity and neurotrauma. Glia, 2016, 64, 1034-1049.	4.9	45
25	Transplantation of tissue engineering neural network and formation of neuronal relay into the transected rat spinal cord. Biomaterials, 2016, 109, 40-54.	11.4	55
26	Cell Transplantation and Neuroengineering Approach for Spinal Cord Injury Treatment: A Summary of Current Laboratory Findings and Review of Literature. Cell Transplantation, 2016, 25, 1425-1438.	2.5	46
27	Autocrine fibronectin from differentiating mesenchymal stem cells induces the neurite elongationin vitroand promotes nerve fiber regeneration in transected spinal cord injury. Journal of Biomedical Materials Research - Part A, 2016, 104, 1902-1911.	4.0	41
28	Targeted Treatment of Experimental Spinal Cord Glioma With Dual Gene-Engineered Human Neural Stem Cells. Neurosurgery, 2016, 79, 481-491.	1.1	20
29	Donor mesenchymal stem cell-derived neural-like cells transdifferentiate into myelin-forming cells and promote axon regeneration in rat spinal cord transection. Stem Cell Research and Therapy, 2015, 6, 105.	5.5	38
30	Stemness Enhancement of Human Neural Stem Cells following Bone Marrow MSC Coculture. Cell Transplantation, 2015, 24, 645-659.	2.5	32
31	Biological Approaches to Treating Intervertebral Disk Degeneration: Devising Stem Cell Therapies. Cell Transplantation, 2015, 24, 2197-2208.	2.5	31
32	Effects of Fe additive on diamond crystallization from carbonyl nickel powders-C system under HPHT condition. Chinese Physics B, 2015, 24, 088104.	1.4	5
33	Integration of donor mesenchymal stem cell-derived neuron-like cells into host neural network after rat spinal cord transection. Biomaterials, 2015, 53, 184-201.	11.4	85
34	Caloranaerobacter ferrireducens sp. nov., an anaerobic, thermophilic, iron (III)-reducing bacterium isolated from deep-sea hydrothermal sulfide deposits. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1714-1718.	1.7	23
35	An efficient device to experimentally model compression injury of mammalian spinal cord. Experimental Neurology, 2015, 271, 515-523.	4.1	28
36	Anoxybacter fermentans gen. nov., sp. nov., a piezophilic, thermophilic, anaerobic, fermentative bacterium isolated from a deep-sea hydrothermal vent. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 710-715.	1.7	19

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37	Graft of the gelatin sponge scaffold containing genetically-modified neural stem cells promotes cell differentiation, axon regeneration, and functional recovery in rat with spinal cord transection. Journal of Biomedical Materials Research - Part A, 2015, 103, 1533-1545.	4.0	27
38	Electroacupuncture Promotes the Differentiation of Transplanted Bone Marrow Mesenchymal Stem Cells Overexpressing TrkC into Neuron-Like Cells in Transected Spinal Cord of Rats. Cell Transplantation, 2013, 22, 65-86.	2.5	26
39	Neurotrophin-3 Gene-Modified Schwann Cells Promote TrkC Gene-Modified Mesenchymal Stem Cells to Differentiate into Neuron-Like Cells in Poly(Lactic-Acid-Co-Glycolic Acid) Multiple-Channel Conduit. Cells Tissues Organs, 2012, 195, 313-322.	2.3	30
40	A new in vitro injury model of mouse neurons induced by mechanical scratching. Neuroscience Letters, 2012, 510, 14-19.	2.1	14
41	Bone Marrow Mesenchymal Stem Cells and Electroacupuncture Downregulate the Inhibitor Molecules and Promote the Axonal Regeneration in the Transected Spinal Cord of Rats. Cell Transplantation, 2011, 20, 475-491.	2.5	37
42	Bone Marrow Mesenchymal Stem Cells in a Three-Dimensional Gelatin Sponge Scaffold Attenuate Inflammation, Promote Angiogenesis, and Reduce Cavity Formation in Experimental Spinal Cord Injury. Cell Transplantation, 2011, 20, 1881-1899.	2.5	140
43	NT-3 gene modified Schwann cells promote TrkC gene modified mesenchymal stem cells to differentiate into neuron-like cells in vitro. Anatomical Science International, 2010, 85, 61-67.	1.0	22
44	Fabrication and characterization of poly(l-lactic acid) 3D nanofibrous scaffolds with controlled architecture by liquidâ€“liquid phase separation from a ternary polymerâ€“solvent system. Polymer, 2009, 50, 4128-4138.	3.8	103