

Xiang Zeng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/795562/publications.pdf>

Version: 2024-02-01

44
papers

1,563
citations

236925

25
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

2166
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Cell Transplantation</i> , 2011, 20, 1881-1899.	2.5	140
2	Targeted Nanotechnology in Glioblastoma Multiforme. <i>Frontiers in Pharmacology</i> , 2017, 8, 166.	3.5	120
3	Fabrication and characterization of poly(l-lactic acid) 3D nanofibrous scaffolds with controlled architecture by liquid-liquid phase separation from a ternary polymer-solvent system. <i>Polymer</i> , 2009, 50, 4128-4138.	3.8	103
4	Pathophysiological Bases of Comorbidity: Traumatic Brain Injury and Post-Traumatic Stress Disorder. <i>Journal of Neurotrauma</i> , 2018, 35, 210-225.	3.4	91
5	Integration of donor mesenchymal stem cell-derived neuron-like cells into host neural network after rat spinal cord transection. <i>Biomaterials</i> , 2015, 53, 184-201.	11.4	85
6	Defining recovery neurobiology of injured spinal cord by synthetic matrix-assisted hMSC implantation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E820-E829.	7.1	85
7	Transplantation of tissue engineering neural network and formation of neuronal relay into the transected rat spinal cord. <i>Biomaterials</i> , 2016, 109, 40-54.	11.4	55
8	Recovery of paralyzed limb motor function in canine with complete spinal cord injury following implantation of MSC-derived neural network tissue. <i>Biomaterials</i> , 2018, 181, 15-34.	11.4	51
9	Cell Transplantation and Neuroengineering Approach for Spinal Cord Injury Treatment: A Summary of Current Laboratory Findings and Review of Literature. <i>Cell Transplantation</i> , 2016, 25, 1425-1438.	2.5	46
10	Adrenergic activation attenuates astrocyte swelling induced by hypotonicity and neurotrauma. <i>Glia</i> , 2016, 64, 1034-1049.	4.9	45
11	Autocrine fibronectin from differentiating mesenchymal stem cells induces the neurite elongation <i>in vitro</i> and promotes nerve fiber regeneration in transected spinal cord injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1902-1911.	4.0	41
12	Donor mesenchymal stem cell-derived neural-like cells transdifferentiate into myelin-forming cells and promote axon regeneration in rat spinal cord transection. <i>Stem Cell Research and Therapy</i> , 2015, 6, 105.	5.5	38
13	Bone Marrow Mesenchymal Stem Cells and Electroacupuncture Downregulate the Inhibitor Molecules and Promote the Axonal Regeneration in the Transected Spinal Cord of Rats. <i>Cell Transplantation</i> , 2011, 20, 475-491.	2.5	37
14	Neurotrophin-3 released from implant of tissue-engineered fibroin scaffolds inhibits inflammation, enhances nerve fiber regeneration, and improves motor function in canine spinal cord injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2158-2170.	4.0	37
15	Neutrophil elastase inhibition effectively rescued angiopoietin-1 decrease and inhibits glial scar after spinal cord injury. <i>Acta Neuropathologica Communications</i> , 2018, 6, 73.	5.2	36
16	Perineurium-like sheath derived from long-term surviving mesenchymal stem cells confers nerve protection to the injured spinal cord. <i>Biomaterials</i> , 2018, 160, 37-55.	11.4	35
17	A Modular Assembly of Spinal Cord-Like Tissue Allows Targeted Tissue Repair in the Transected Spinal Cord. <i>Advanced Science</i> , 2018, 5, 1800261.	11.2	34
18	Microorganisms from deep-sea hydrothermal vents. <i>Marine Life Science and Technology</i> , 2021, 3, 204-230.	4.6	34

#	ARTICLE	IF	CITATIONS
19	Stemness Enhancement of Human Neural Stem Cells following Bone Marrow MSC Coculture. <i>Cell Transplantation</i> , 2015, 24, 645-659.	2.5	32
20	TRPV4: a Sensor for Homeostasis and Pathological Events in the CNS. <i>Molecular Neurobiology</i> , 2018, 55, 8695-8708.	4.0	32
21	Biological Approaches to Treating Intervertebral Disk Degeneration: Devising Stem Cell Therapies. <i>Cell Transplantation</i> , 2015, 24, 2197-2208.	2.5	31
22	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. <i>Cells Tissues Organs</i> , 2012, 195, 313-322.	2.3	30
23	Electroacupuncture Facilitates the Integration of Neural Stem Cell-Derived Neural Network with Transected Rat Spinal Cord. <i>Stem Cell Reports</i> , 2019, 12, 274-289.	4.8	29
24	An efficient device to experimentally model compression injury of mammalian spinal cord. <i>Experimental Neurology</i> , 2015, 271, 515-523.	4.1	28
25	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. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1533-1545.	4.0	27
26	Electroacupuncture Promotes the Differentiation of Transplanted Bone Marrow Mesenchymal Stem Cells Overexpressing TrkC into Neuron-Like Cells in Transected Spinal Cord of Rats. <i>Cell Transplantation</i> , 2013, 22, 65-86.	2.5	26
27	<i>Caloranaerobacter ferrireducens</i> sp. nov., an anaerobic, thermophilic, iron (III)-reducing bacterium isolated from deep-sea hydrothermal sulfide deposits. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1714-1718.	1.7	23
28	NT-3 gene modified Schwann cells promote TrkC gene modified mesenchymal stem cells to differentiate into neuron-like cells in vitro. <i>Anatomical Science International</i> , 2010, 85, 61-67.	1.0	22
29	Targeted Treatment of Experimental Spinal Cord Glioma With Dual Gene-Engineered Human Neural Stem Cells. <i>Neurosurgery</i> , 2016, 79, 481-491.	1.1	20
30	<i>Anoxybacter fermentans</i> gen. nov., sp. nov., a piezophilic, thermophilic, anaerobic, fermentative bacterium isolated from a deep-sea hydrothermal vent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 710-715.	1.7	19
31	Physical impacts of PLGA scaffolding on hMSCs: Recovery neurobiology insight for implant design to treat spinal cord injury. <i>Experimental Neurology</i> , 2019, 320, 112980.	4.1	19
32	Oral Administration of Î±-Asarone Promotes Functional Recovery in Rats With Spinal Cord Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 445.	3.5	16
33	Tissue-Engineered Neural Network Graft Relays Excitatory Signal in the Completely Transected Canine Spinal Cord. <i>Advanced Science</i> , 2019, 6, 1901240.	11.2	15
34	A new in vitro injury model of mouse neurons induced by mechanical scratching. <i>Neuroscience Letters</i> , 2012, 510, 14-19.	2.1	14
35	<i>Fusibacter ferrireducens</i> sp. nov., an anaerobic, Fe(â€¦)- and sulphur-reducing bacterium isolated from mangrove sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	12
36	<i>Wocania indica</i> gen. nov., sp. nov., isolated from deep sea hydrothermal sulfide in the northwest Indian Ocean, and proposal to reclassify <i>Flaviramulus ichthyenteri</i> as <i>Wocania ichthyenteri</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5488-5496.	1.7	12

#	ARTICLE	IF	CITATIONS
37	The Effects of Thermal Preconditioning on Oncogenic and Intraspinal Cord Growth Features of Human Glioma Cells. <i>Cell Transplantation</i> , 2016, 25, 2099-2109.	2.5	11
38	Metabolic Adaptation to Sulfur of Hyperthermophilic <i>Palaeococcus pacificus</i> DY20341T from Deep-Sea Hydrothermal Sediments. <i>International Journal of Molecular Sciences</i> , 2020, 21, 368.	4.1	8
39	Effects of Fe additive on diamond crystallization from carbonyl nickel powders-C system under HPHT condition. <i>Chinese Physics B</i> , 2015, 24, 088104.	1.4	5
40	Updates on Human Neural Stem Cells: From Generation, Maintenance, and Differentiation to Applications in Spinal Cord Injury Research. <i>Results and Problems in Cell Differentiation</i> , 2018, 66, 233-248.	0.7	5
41	Genome sequencing of deep-sea hydrothermal vent snails reveals adaptations to extreme environments. <i>GigaScience</i> , 2020, 9, .	6.4	5
42	<i>Thermosipho ferrireducens</i> sp.nov., an anaerobic thermophilic iron(III)-reducing bacterium isolated from a deep-sea hydrothermal sulfide deposits. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	5
43	Conducting Research During the COVID-19 Pandemic: How Scientific Community Should be Prepared?. <i>Neurospine</i> , 2020, 17, 351-353.	2.9	4
44	Multimodal Neural Stem Cell Research Protocols for Experimental Spinal Cord Injuries. <i>Neuromethods</i> , 2017, , 157-173.	0.3	0