

Zhaoyang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

889
citations

840776

11
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	NT3-chitosan elicits robust endogenous neurogenesis to enable functional recovery after spinal cord injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13354-13359.	7.1	165
2	NT3-chitosan enables de novo regeneration and functional recovery in monkeys after spinal cord injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5595-E5604.	7.1	128
3	Transcriptome analyses reveal molecular mechanisms underlying functional recovery after spinal cord injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13360-13365.	7.1	113
4	Repair of thoracic spinal cord injury by chitosan tube implantation in adult rats. <i>Biomaterials</i> , 2009, 30, 1121-1132.	11.4	109
5	The effect of the dosage of NT-3/chitosan carriers on the proliferation and differentiation of neural stem cells. <i>Biomaterials</i> , 2010, 31, 4846-4854.	11.4	77
6	Tissue clearing technique: Recent progress and biomedical applications. <i>Journal of Anatomy</i> , 2021, 238, 489-507.	1.5	74
7	Neural repair by NT3-chitosan via enhancement of endogenous neurogenesis after adult focal aspiration brain injury. <i>Biomaterials</i> , 2017, 140, 88-102.	11.4	53
8	Functional hyaluronate collagen scaffolds induce NSCs differentiation into functional neurons in repairing the traumatic brain injury. <i>Acta Biomaterialia</i> , 2016, 45, 182-195.	8.3	43
9	Endogenous neurogenesis in adult mammals after spinal cord injury. <i>Science China Life Sciences</i> , 2016, 59, 1313-1318.	4.9	25
10	Effects of chitosan/collagen substrates on the behavior of rat neural stem cells. <i>Science China Life Sciences</i> , 2010, 53, 215-222.	4.9	22
11	Application of the sodium hyaluronate-CNTF scaffolds in repairing adult rat spinal cord injury and facilitating neural network formation. <i>Science China Life Sciences</i> , 2018, 61, 559-568.	4.9	16
12	Differentiation of Bone Marrow Mesenchymal Stem Cells into Neural Lineage Cells Induced by bFGF-Chitosan Controlled Release System. <i>BioMed Research International</i> , 2019, 2019, 1-15.	1.9	14
13	Effects of the CNTF-collagen gel-controlled delivery system on rat neural stem/progenitor cells behavior. <i>Science China Life Sciences</i> , 2010, 53, 504-510.	4.9	11
14	Regeneration strategies after the adult mammalian central nervous system injury—biomaterials. <i>International Journal of Energy Production and Management</i> , 2016, 3, 115-122.	3.7	11
15	Testing Pathological Variation of White Matter Tract in Adult Rats after Severe Spinal Cord Injury with MRI. <i>BioMed Research International</i> , 2018, 2018, 1-13.	1.9	10
16	Effect of BDNF—plasma—collagen matrix controlled delivery system on the behavior of adult rats neural stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 599-606.	4.0	9
17	Morphological and electrophysiological evidence for regeneration of transected spinal cord fibers and restoration of motor functions in adult rats. <i>Science Bulletin</i> , 2006, 51, 918-926.	1.7	7
18	Distribution Heterogeneity of Muscle Spindles Across Skeletal Muscles of Lower Extremities in C57BL/6 Mice. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 838951.	1.7	2