

Zin Z Khaing

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,602
citations

218592

26
h-index

265120

42
g-index

45
all docs

45
docs citations

45
times ranked

3963
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of hyaluronic acid hydrogels with tunable mechanical properties on neural progenitor cell differentiation. <i>Biomaterials</i> , 2010, 31, 3930-3940.	5.7	427
2	Concentration-dependent Effect of Sodium Hypochlorite on Stem Cells of Apical Papilla Survival and Differentiation. <i>Journal of Endodontics</i> , 2014, 40, 51-55.	1.4	248
3	BDNF mRNA expression in rat hippocampus and prefrontal cortex: effects of neonatal ventral hippocampal damage and antipsychotic drugs. <i>European Journal of Neuroscience</i> , 2001, 14, 135-144.	1.2	179
4	High molecular weight hyaluronic acid limits astrocyte activation and scar formation after spinal cord injury. <i>Journal of Neural Engineering</i> , 2011, 8, 046033.	1.8	174
5	Advances in natural biomaterials for nerve tissue repair. <i>Neuroscience Letters</i> , 2012, 519, 103-114.	1.0	127
6	The fundamental role of subcellular topography in peripheral nerve repair therapies. <i>Biomaterials</i> , 2012, 33, 4264-4276.	5.7	109
7	Gene expression in dopamine and GABA systems in an animal model of schizophrenia: effects of antipsychotic drugs. <i>European Journal of Neuroscience</i> , 2003, 18, 391-402.	1.2	101
8	The neonatal ventral hippocampal lesion model of schizophrenia: effects on dopamine and GABA mRNA markers in the rat midbrain. <i>European Journal of Neuroscience</i> , 2003, 18, 3097-3104.	1.2	97
9	Novel Degradable Co-polymers of Polypyrrole Support Cell Proliferation and Enhance Neurite Out-Growth with Electrical Stimulation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1265-1282.	1.9	89
10	H19, a marker of developmental transition, is reexpressed in human atherosclerotic plaques and is regulated by the insulin family of growth factors in cultured rabbit smooth muscle cells.. <i>Journal of Clinical Investigation</i> , 1996, 97, 1276-1285.	3.9	88
11	Advanced biomaterials for repairing the nervous system: what can hydrogels do for the brain?. <i>Materials Today</i> , 2014, 17, 332-340.	8.3	77
12	Super-Resolution Ultrasound Localization Microscopy Through Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 829-839.	5.4	77
13	Proteomic comparison of two fractions derived from the transsynaptic scaffold. <i>Journal of Neuroscience Research</i> , 2005, 81, 762-775.	1.3	70
14	Biomimetic hydrogels direct spinal progenitor cell differentiation and promote functional recovery after spinal cord injury. <i>Journal of Neural Engineering</i> , 2018, 15, 025004.	1.8	58
15	Hyaluronic acid and neural stem cells: implications for biomaterial design. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7850-7866.	2.9	50
16	Spontaneous Nucleation of Stable Perfluorocarbon Emulsions for Ultrasound Contrast Agents. <i>Nano Letters</i> , 2019, 19, 173-181.	4.5	45
17	Contrast-enhanced ultrasound to visualize hemodynamic changes after rodent spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 306-313.	0.9	44
18	Deep Learning for Super-resolution Vascular Ultrasound Imaging. , 2019, , .		43

#	ARTICLE	IF	CITATIONS
19	Functional characterization of optimized acellular peripheral nerve graft in a rat sciatic nerve injury model. <i>Neurological Research</i> , 2011, 33, 600-608.	0.6	39
20	Neuronal growth promoting sesquiterpene "neolignans; syntheses and biological studies. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 383-393.	1.5	36
21	Sacrificial Crystal Templated Hyaluronic Acid Hydrogels As Biomimetic 3D Tissue Scaffolds for Nerve Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1451-1459.	2.6	36
22	Injectable Hydrogels for Spinal Cord Repair: A Focus on Swelling and Intraspinal Pressure. <i>Cells Tissues Organs</i> , 2016, 202, 67-84.	1.3	33
23	Temporal and Spatial Evolution of Raised Intraspinal Pressure after Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 645-651.	1.7	33
24	Assessing Forelimb Function after Unilateral Cervical Spinal Cord Injury: Novel Forelimb Tasks Predict Lesion Severity and Recovery. <i>Journal of Neurotrauma</i> , 2012, 29, 488-498.	1.7	29
25	A Prohormone Convertase Cleavage Site within a Predicted α -Helix Mediates Sorting of the Neuronal and Endocrine Polypeptide VGF into the Regulated Secretory Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 41595-41608.	1.6	28
26	Into the groove: instructive silk-polypyrrole films with topographical guidance cues direct DRG neurite outgrowth. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 1327-1342.	1.9	27
27	Localized and sustained release of brain-derived neurotrophic factor from injectable hydrogel/microparticle composites fosters spinal learning after spinal cord injury. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7560-7571.	2.9	27
28	High-Frequency Nonlinear Doppler Contrast-Enhanced Ultrasound Imaging of Blood Flow. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1776-1784.	1.7	24
29	3D Printing with Nucleic Acid Adhesives. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 19-26.	2.6	23
30	Local and Downstream Effects of Excitotoxic Lesions in the Rat Medial Prefrontal Cortex on In Vivo 1H-MRS Signals. <i>Neuropsychopharmacology</i> , 2000, 22, 430-439.	2.8	22
31	Hippocampal and cortical neuronal growth mediated by the small molecule natural product clovanemagnolol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4808-4812.	1.0	19
32	Surface modification of neural electrodes with a pyrrole-hyaluronic acid conjugate to attenuate reactive astrogliosis in vivo. <i>RSC Advances</i> , 2015, 5, 39228-39231.	1.7	19
33	Differential DNA damage in response to the neonatal and adult excitotoxic hippocampal lesion in rats. <i>European Journal of Neuroscience</i> , 2000, 12, 4424-4433.	1.2	18
34	Contrast-Enhanced Ultrasound for Assessment of Local Hemodynamic Changes Following a Rodent Contusion Spinal Cord Injury. <i>Military Medicine</i> , 2020, 185, 470-475.	0.4	14
35	Effect of Durotomy versus Myelotomy on Tissue Sparing and Functional Outcome after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 746-755.	1.7	13
36	Transcutaneous contrast-enhanced ultrasound imaging of the posttraumatic spinal cord. <i>Spinal Cord</i> , 2020, 58, 695-704.	0.9	12

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37	Aptamer Antagonists of Myelin-Derived Inhibitors Promote Axon Growth. PLoS ONE, 2010, 5, e9726.	1.1	11
38	Blood Flow Changes Associated with Spinal Cord Injury Assessed by Non-linear Doppler Contrast-Enhanced Ultrasound. Ultrasound in Medicine and Biology, 2022, 48, 1410-1419.	0.7	11
39	Assessing Forelimb Function after Unilateral Cervical SCI using Novel Tasks: Limb Step-alternation, Postural Instability and Pasta Handling. Journal of Visualized Experiments, 2013, , e50955.	0.2	6
40	Neonatal Hippocampal Damage in the Rat: A Heuristic Model of Schizophrenia. Psychiatric Annals, 1999, 29, 157-160.	0.1	5
41	Structural stabilization of CNS synapses during postnatal development in rat cortex. Journal of Neurochemistry, 2006, 98, 471-480.	2.1	4
42	Embryonic mesencephalon derived neurospheres contain progenitors as well as differentiated neurons and glia. Restorative Neurology and Neuroscience, 2009, 27, 613-622.	0.4	4
43	Noninvasive, In-pen Approach Test for Laboratory-housed Pigs. Journal of Visualized Experiments, 2019, , .	0.2	3
44	Detection of Cell Proliferation and Cell Fate in Adult CNS Using BrdU Double-Label Immunohistochemistry. , 2003, 79, 499-506.		2
45	Notice of Removal: Contrast enhanced ultrasound(CEUS) imaging of rat spinal cord injury. , 2017, , .		1