Zin Z Khaing

List of Publications by Year
in descending order

45 papers	2,602 citations	218677 26 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	3963 citing authors

#	Article	IF	Citations
1	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.	1.5	11
2	Effect of Durotomy versus Myelotomy on Tissue Sparing and Functional Outcome after Spinal Cord Injury. Journal of Neurotrauma, 2021, 38, 746-755.	3.4	13
3	Super-Resolution Ultrasound Localization Microscopy Through Deep Learning. IEEE Transactions on Medical Imaging, 2021, 40, 829-839.	8.9	77
4	Contrast-Enhanced Ultrasound for Assessment of Local Hemodynamic Changes Following a Rodent Contusion Spinal Cord Injury. Military Medicine, 2020, 185, 470-475.	0.8	14
5	Transcutaneous contrast-enhanced ultrasound imaging of the posttraumatic spinal cord. Spinal Cord, 2020, 58, 695-704.	1.9	12
6	High-Frequency Nonlinear Doppler Contrast-Enhanced Ultrasound Imaging of Blood Flow. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1776-1784.	3.0	24
7	Noninvasive, In-pen Approach Test for Laboratory-housed Pigs. Journal of Visualized Experiments, 2019, , .	0.3	3
8	Deep Learning for Super-resolution Vascular Ultrasound Imaging. , 2019, , .		43
9	Spontaneous Nucleation of Stable Perfluorocarbon Emulsions for Ultrasound Contrast Agents. Nano Letters, 2019, 19, 173-181.	9.1	45
10	Biomimetic hydrogels direct spinal progenitor cell differentiation and promote functional recovery after spinal cord injury. Journal of Neural Engineering, 2018, 15, 025004.	3.5	58
11	Contrast-enhanced ultrasound to visualize hemodynamic changes after rodent spinal cord injury. Journal of Neurosurgery: Spine, 2018, 29, 306-313.	1.7	44
12	Sacrificial Crystal Templated Hyaluronic Acid Hydrogels As Biomimetic 3D Tissue Scaffolds for Nerve Tissue Regeneration. ACS Biomaterials Science and Engineering, 2017, 3, 1451-1459.	5.2	36
13	Temporal and Spatial Evolution of Raised Intraspinal Pressure after Traumatic Spinal Cord Injury. Journal of Neurotrauma, 2017, 34, 645-651.	3.4	33
14	Notice of Removal: Contrast enhanced ultrasound(CEUS) imaging of rat spinal cord injury. , 2017, , .		1
15	Localized and sustained release of brain-derived neurotrophic factor from injectable hydrogel/microparticle composites fosters spinal learning after spinal cord injury. Journal of Materials Chemistry B, 2016, 4, 7560-7571.	5.8	27
16	Injectable Hydrogels for Spinal Cord Repair: A Focus on Swelling and Intraspinal Pressure. Cells Tissues Organs, 2016, 202, 67-84.	2.3	33
17	Surface modification of neural electrodes with a pyrrole-hyaluronic acid conjugate to attenuate reactive astrogliosis in vivo. RSC Advances, 2015, 5, 39228-39231.	3.6	19
18	3D Printing with Nucleic Acid Adhesives. ACS Biomaterials Science and Engineering, 2015, 1, 19-26.	5.2	23

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19	Into the groove: instructive silk-polypyrrole films with topographical guidance cues direct DRG neurite outgrowth. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 1327-1342.	3.5	27
20	Hyaluronic acid and neural stem cells: implications for biomaterial design. Journal of Materials Chemistry B, 2015, 3, 7850-7866.	5.8	50
21	Advanced biomaterials for repairing the nervous system: what can hydrogels do for the brain?. Materials Today, 2014, 17, 332-340.	14.2	77
22	Concentration-dependent Effect of Sodium Hypochlorite on Stem Cells of Apical Papilla Survival and Differentiation. Journal of Endodontics, 2014, 40, 51-55.	3.1	248
23	Assessing Forelimb Function after Unilateral Cervical SCI using Novel Tasks: Limb Step-alternation, Postural Instability and Pasta Handling. Journal of Visualized Experiments, 2013, , e50955.	0.3	6
24	Neuronal growth promoting sesquiterpeneâ€“neolignans; syntheses and biological studies. Organic and Biomolecular Chemistry, 2012, 10, 383-393.	2.8	36
25	Advances in natural biomaterials for nerve tissue repair. Neuroscience Letters, 2012, 519, 103-114.	2.1	127
26	Assessing Forelimb Function after Unilateral Cervical Spinal Cord Injury: Novel Forelimb Tasks Predict Lesion Severity and Recovery. Journal of Neurotrauma, 2012, 29, 488-498.	3.4	29
27	The fundamental role of subcellular topography in peripheral nerve repair therapies. Biomaterials, 2012, 33, 4264-4276.	11.4	109
28	High molecular weight hyaluronic acid limits astrocyte activation and scar formation after spinal cord injury. Journal of Neural Engineering, 2011, 8, 046033.	3.5	174
29	Functional characterization of optimized acellular peripheral nerve graft in a rat sciatic nerve injury model. Neurological Research, 2011, 33, 600-608.	1.3	39
30	Hippocampal and cortical neuronal growth mediated by the small molecule natural product clovanemagnolol. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4808-4812.	2.2	19
31	The effects of hyaluronic acid hydrogels with tunable mechanical properties on neural progenitor cell differentiation. Biomaterials, 2010, 31, 3930-3940.	11.4	427
32	Aptamer Antagonists of Myelin-Derived Inhibitors Promote Axon Growth. PLoS ONE, 2010, 5, e9726.	2.5	11
33	Novel Degradable Co-polymers of Polypyrrole Support Cell Proliferation and Enhance Neurite Out-Growth with Electrical Stimulation. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1265-1282.	3.5	89
34	Embryonic mescencephalon derived neurospheres contain progenitors as well as differentiated neurons and glia. Restorative Neurology and Neuroscience, 2009, 27, 613-622.	0.7	4
35	Structural stabilization of CNS synapses during postnatal development in rat cortex. Journal of Neurochemistry, 2006, 98, 471-480.	3.9	4
36	Proteomic comparison of two fractions derived from the transsynaptic scaffold. Journal of Neuroscience Research, 2005, 81, 762-775.	2.9	70

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37	A Prohormone Convertase Cleavage Site within a Predicted Î±-Helix Mediates Sorting of the Neuronal and Endocrine Polypeptide VGF into the Regulated Secretory Pathway. Journal of Biological Chemistry, 2005, 280, 41595-41608.	3.4	28
38	Detection of Cell Proliferation and Cell Fate in Adult CNS Using BrdU Double-Label Immunohistochemistry. , 2003, 79, 499-506.		2
39	Gene expression in dopamine and GABA systems in an animal model of schizophrenia: effects of antipsychotic drugs. European Journal of Neuroscience, 2003, 18, 391-402.	2.6	101
40	The neonatal ventral hippocampal lesion model of schizophrenia: effects on dopamine and GABA mRNA markers in the rat midbrain. European Journal of Neuroscience, 2003, 18, 3097-3104.	2.6	97
41	BDNF mRNA expression in rat hippocampus and prefrontal cortex: effects of neonatal ventral hippocampal damage and antipsychotic drugs. European Journal of Neuroscience, 2001, 14, 135-144.	2.6	179
42	Differential DNA damage in response to the neonatal and adult excitotoxic hippocampal lesion in rats. European Journal of Neuroscience, 2000, 12, 4424-4433.	2.6	18
43	Local and Downstream Effects of Excitotoxic Lesions in the Rat Medial Prefrontal Cortex on In Vivo 1H-MRS Signals. Neuropsychopharmacology, 2000, 22, 430-439.	5.4	22
44	Neonatal Hippocampal Damage in the Rat: A Heuristic Model of Schizophrenia. Psychiatric Annals, 1999, 29, 157-160.	0.1	5
45	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.. Journal of Clinical Investigation, 1996, 97, 1276-1285.	8.2	88