Angelo H All

List of Publications by Year
in descending order

54 papers	3,996 citations	236612 25 h-index	233125 45 g-index
54 all docs	54 docs citations	54 times ranked	5796 citing authors

#	Article	IF	Citations
1	Neuroprotective Role of Hypothermia in Acute Spinal Cord Injury. Biomedicines, 2022, 10, 104.	1.4	1
2	Intranasal Delivery of Functionalized Polymeric Nanomaterials to the Brain. Advanced Healthcare Materials, 2022, 11, e2102610.	3.9	20
3	Recent Developments in Prosthesis Sensors, Texture Recognition, and Sensory Stimulation for Upper Limb Prostheses. Annals of Biomedical Engineering, 2021, 49, 57-74.	1.3	24
4	Uncovering the Metabolic Origin of Aspartate for Tumor Growth Using an Integrated Molecular Deactivator. Nano Letters, 2021, 21, 778-784.	4.5	13
5	Effect of thoracic spinal cord injury on forelimb somatosensory evoked potential. Brain Research Bulletin, 2021, 173, 22-27.	1.4	4
6	Comparative analysis of functional assessment for contusion and transection models of spinal cord injury. Spinal Cord, 2021, 59, 1206-1209.	0.9	7
7	Upconversion Nanoparticle-Mediated Optogenetics. Advances in Experimental Medicine and Biology, 2021, 1293, 641-657.	0.8	5
8	Driving Neurogenesis in Neural Stem Cells with High Sensitivity Optogenetics. NeuroMolecular Medicine, 2020, 22, 139-149.	1.8	7
9	Characterization of transection spinal cord injuries by monitoring somatosensory evoked potentials and motor behavior. Brain Research Bulletin, 2020, 156, 150-163.	1.4	13
10	Trading baseline with forelimbs somatosensory evoked potential for longitudinal analysis in thoracic transection spinal cord injury. Journal of Neuroscience Methods, 2020, 343, 108858.	1.3	4
11	A Review of Functional Electrical Stimulation Treatment in Spinal Cord Injury. NeuroMolecular Medicine, 2020, 22, 447-463.	1.8	47
12	In Vivo Tumor Visualization through MRI Offâ€On Switching of NaGdF₄â€“CaCO₃ Nanoconjugates. Advanced Materials, 2019, 31, e1901851.	11.1	79
13	Visualization of Intraâ€neuronal Motor Protein Transport through Upconversion Microscopy. Angewandte Chemie - International Edition, 2019, 58, 9262-9268.	7.2	52
14	Visualization of Intraâ€neuronal Motor Protein Transport through Upconversion Microscopy. Angewandte Chemie, 2019, 131, 9363-9369.	1.6	34
15	Upconversion amplification through dielectric superlensing modulation. Nature Communications, 2019, 10, 1391.	5.8	114
16	Near-infrared deep brain stimulation via upconversion nanoparticleâ€mediated optogenetics. Science, 2018, 359, 679-684.	6.0	856
17	Novel Modeling of Somatosensory Evoked Potentials for the Assessment of Spinal Cord Injury. IEEE Transactions on Biomedical Engineering, 2018, 65, 511-520.	2.5	8
18	All-inorganic perovskite nanocrystal scintillators. Nature, 2018, 561, 88-93.	13.7	1,274

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19	Binary temporal upconversion codes of Mn2+-activated nanoparticles for multilevel anti-counterfeiting. Nature Communications, 2017, 8, 899.	5.8	290
20	Static Magnetic Field Stimulation Enhances Oligodendrocyte Differentiation and Secretion of Neurotrophic Factors. Scientific Reports, 2017, 7, 6743.	1.6	57
21	Subcellular electrical stimulation of neurons enhances the myelination of axons by oligodendrocytes. PLoS ONE, 2017, 12, e0179642.	1.1	30
22	Natural Progression of Spinal Cord Transection Injury and Reorganization of Neural Pathways. Journal of Neurotrauma, 2016, 33, 2191-2201.	1.7	13
23	The effect of anaesthesia on somatosensory evoked potential measurement in a rat model. Laboratory Animals, 2016, 50, 63-66.	0.5	11
24	A review of induced pluripotent stem cell, direct conversion by trans-differentiation, direct reprogramming and oligodendrocyte differentiation. Regenerative Medicine, 2016, 11, 181-191.	0.8	27
25	Automatic Parametrization of Somatosensory Evoked Potentials With Chirp Modeling. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 981-992.	2.7	9
26	Early Intervention for Spinal Cord Injury with Human Induced Pluripotent Stem Cells Oligodendrocyte Progenitors. PLoS ONE, 2015, 10, e0116933.	1.1	61
27	Prolonged Local Hypothermia Has No Long-Term Adverse Effect on the Spinal Cord. Therapeutic Hypothermia and Temperature Management, 2015, 5, 152-162.	0.3	9
28	Direct Reprogramming of Human Primordial Germ Cells into Induced Pluripotent Stem Cells: Efficient Generation of Genetically Engineered Germ Cells. Stem Cells and Development, 2015, 24, 2634-2648.	1.1	21
29	Assessment of Bilateral SSEP Signals Enhancement following Transectional Spinal Cord Injury Using Linear Modeling. IFMBE Proceedings, 2015, , 1219-1219.	0.2	2
30	The Effects of Local and General Hypothermia on Temperature Profiles of the Central Nervous System Following Spinal Cord Injury in Rats. Therapeutic Hypothermia and Temperature Management, 2014, 4, 115-124.	0.3	19
31	Enhancement of Bilateral Cortical Somatosensory Evoked Potentials to Intact Forelimb Stimulation Following Thoracic Contusion Spinal Cord Injury in Rats. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 953-964.	2.7	29
32	Effect of isoflurane on somatosensory evoked potentials in a rat model. , 2014, 2014, 4286-9.		7
33	Using of oligodendrocyte progenitors from integrationâ€free human induced pluripotent stem cells in treatment of spinal cord injury (89.4). FASEB Journal, 2014, 28, 89.4.	0.2	0
34	A simple and effective semi-invasive method for inducing local hypothermia in rat spinal cord. , 2013, 2013, 6321-4.		4
35	Using Variations of Somatosensory Evoked Potentials to Quantify Spinal Cord Injury Level. Engineering, 2013, 05, 99-102.	0.4	2
36	Electrophysiological evaluation of sensory and motor pathways after incomplete unilateral spinal cord contusion. Journal of Neurosurgery: Spine, 2012, 16, 414-423.	0.9	50

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37	Potential long-term benefits of acute hypothermia after spinal cord injury. Critical Care Medicine, 2012, 40, 573-579.	0.4	63
38	DTI for assessing axonal integrity after contusive spinal cord injury and transplantation of oligodendrocyte progenitor cells. , 2012, 2012, 82-5.		12
39	Human Embryonic Stem Cell-Derived Oligodendrocyte Progenitors Aid in Functional Recovery of Sensory Pathways following Contusive Spinal Cord Injury. PLoS ONE, 2012, 7, e47645.	1.1	50
40	Human glial-restricted progenitors survive, proliferate, and preserve electrophysiological function in rats with focal inflammatory spinal cord demyelination. Glia, 2011, 59, 499-510.	2.5	59
41	Plasticity associated changes in cortical somatosensory evoked potentials following spinal cord injury in rats. , 2011, 2011, 2005-8.		14
42	Spinal cord injury evaluation using morphological difference of somatosensory evoked potentials. , 2011, , .		5
43	Characterization of Graded Multicenter Animal Spinal Cord Injury Study Contusion Spinal Cord Injury Using Somatosensory-Evoked Potentials. Spine, 2010, 35, 1122-1127.	1.0	72
44	Evoked potential and behavioral outcomes for experimental autoimmune encephalomyelitis in Lewis rats. Neurological Sciences, 2010, 31, 595-601.	0.9	65
45	Multi-limb acquisition of motor evoked potentials and its application in spinal cord injury. Journal of Neuroscience Methods, 2010, 193, 210-216.	1.3	79
46	Histogram based quantification of spinal cord injury level using somatosensory evoked potentials. , 2010, 2010, 4942-5.		9
47	Quantification of Spinal Cord Injury Level Using Somatosensory Evoked Potentials. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	5
48	Efficient Differentiation of Human Embryonic Stem Cells into Oligodendrocyte Progenitors for Application in a Rat Contusion Model of Spinal Cord Injury. International Journal of Neuroscience, 2010, 120, 305-313.	0.8	86
49	Slope analysis of somatosensory evoked potentials in spinal cord injury for detecting contusion injury and focal demyelination. Journal of Clinical Neuroscience, 2010, 17, 1159-1164.	0.8	75
50	A comparative study of recording procedures for motor evoked potential signals. , 2009, 2009, 2086-9.		12
51	Spinal Cord Injury Detection and Monitoring Using Spectral Coherence. IEEE Transactions on Biomedical Engineering, 2009, 56, 1971-1979.	2.5	29
52	Evoked potential versus behavior to detect minor insult to the spinal cord in a rat model. Journal of Clinical Neuroscience, 2009, 16, 1052-1055.	0.8	78
53	Effect of MOG sensitization on somatosensory evoked potential in Lewis rats. Journal of the Neurological Sciences, 2009, 284, 81-89.	0.3	71
54	A novel shape analysis technique for somatosensory evoked potentials. , 2008, 2008, 4688-91.		9