

# Angelo H All

## List of Publications by Year in descending order

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Version: 2024-02-01

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	All-inorganic perovskite nanocrystal scintillators. <i>Nature</i> , 2018, 561, 88-93.	13.7	1,274
2	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics. <i>Science</i> , 2018, 359, 679-684.	6.0	856
3	Binary temporal upconversion codes of Mn <sup>2+</sup> -activated nanoparticles for multilevel anti-counterfeiting. <i>Nature Communications</i> , 2017, 8, 899.	5.8	290
4	Upconversion amplification through dielectric superlensing modulation. <i>Nature Communications</i> , 2019, 10, 1391.	5.8	114
5	Efficient Differentiation of Human Embryonic Stem Cells into Oligodendrocyte Progenitors for Application in a Rat Contusion Model of Spinal Cord Injury. <i>International Journal of Neuroscience</i> , 2010, 120, 305-313.	0.8	86
6	Multi-limb acquisition of motor evoked potentials and its application in spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2010, 193, 210-216.	1.3	79
7	In Vivo Tumor Visualization through MRI On Switching of NaGdF <sub>4</sub> -CaCO <sub>3</sub> Nanoconjugates. <i>Advanced Materials</i> , 2019, 31, e1901851.	11.1	79
8	Evoked potential versus behavior to detect minor insult to the spinal cord in a rat model. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 1052-1055.	0.8	78
9	Slope analysis of somatosensory evoked potentials in spinal cord injury for detecting contusion injury and focal demyelination. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 1159-1164.	0.8	75
10	Characterization of Graded Multicenter Animal Spinal Cord Injury Study Contusion Spinal Cord Injury Using Somatosensory-Evoked Potentials. <i>Spine</i> , 2010, 35, 1122-1127.	1.0	72
11	Effect of MOG sensitization on somatosensory evoked potential in Lewis rats. <i>Journal of the Neurological Sciences</i> , 2009, 284, 81-89.	0.3	71
12	Evoked potential and behavioral outcomes for experimental autoimmune encephalomyelitis in Lewis rats. <i>Neurological Sciences</i> , 2010, 31, 595-601.	0.9	65
13	Potential long-term benefits of acute hypothermia after spinal cord injury. <i>Critical Care Medicine</i> , 2012, 40, 573-579.	0.4	63
14	Early Intervention for Spinal Cord Injury with Human Induced Pluripotent Stem Cells Oligodendrocyte Progenitors. <i>PLoS ONE</i> , 2015, 10, e0116933.	1.1	61
15	Human glial-restricted progenitors survive, proliferate, and preserve electrophysiological function in rats with focal inflammatory spinal cord demyelination. <i>Glia</i> , 2011, 59, 499-510.	2.5	59
16	Static Magnetic Field Stimulation Enhances Oligodendrocyte Differentiation and Secretion of Neurotrophic Factors. <i>Scientific Reports</i> , 2017, 7, 6743.	1.6	57
17	Visualization of Intra-neuronal Motor Protein Transport through Upconversion Microscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9262-9268.	7.2	52
18	Electrophysiological evaluation of sensory and motor pathways after incomplete unilateral spinal cord contusion. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 414-423.	0.9	50

#	ARTICLE	IF	CITATIONS
19	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
20	A Review of Functional Electrical Stimulation Treatment in Spinal Cord Injury. NeuroMolecular Medicine, 2020, 22, 447-463.	1.8	47
21	Visualization of Intra-neuronal Motor Protein Transport through Upconversion Microscopy. Angewandte Chemie, 2019, 131, 9363-9369.	1.6	34
22	Subcellular electrical stimulation of neurons enhances the myelination of axons by oligodendrocytes. PLoS ONE, 2017, 12, e0179642.	1.1	30
23	Spinal Cord Injury Detection and Monitoring Using Spectral Coherence. IEEE Transactions on Biomedical Engineering, 2009, 56, 1971-1979.	2.5	29
24	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
25	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
26	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
27	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
28	Intranasal Delivery of Functionalized Polymeric Nanomaterials to the Brain. Advanced Healthcare Materials, 2022, 11, e2102610.	3.9	20
29	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
30	Plasticity associated changes in cortical somatosensory evoked potentials following spinal cord injury in rats. , 2011, 2011, 2005-8.		14
31	Natural Progression of Spinal Cord Transection Injury and Reorganization of Neural Pathways. Journal of Neurotrauma, 2016, 33, 2191-2201.	1.7	13
32	Characterization of transection spinal cord injuries by monitoring somatosensory evoked potentials and motor behavior. Brain Research Bulletin, 2020, 156, 150-163.	1.4	13
33	Uncovering the Metabolic Origin of Aspartate for Tumor Growth Using an Integrated Molecular Deactivator. Nano Letters, 2021, 21, 778-784.	4.5	13
34	A comparative study of recording procedures for motor evoked potential signals. , 2009, 2009, 2086-9.		12
35	DTI for assessing axonal integrity after contusive spinal cord injury and transplantation of oligodendrocyte progenitor cells. , 2012, 2012, 82-5.		12
36	The effect of anaesthesia on somatosensory evoked potential measurement in a rat model. Laboratory Animals, 2016, 50, 63-66.	0.5	11

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37	A novel shape analysis technique for somatosensory evoked potentials. , 2008, 2008, 4688-91.		9
38	Histogram based quantification of spinal cord injury level using somatosensory evoked potentials. , 2010, 2010, 4942-5.		9
39	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
40	Automatic Parametrization of Somatosensory Evoked Potentials With Chirp Modeling. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 981-992.	2.7	9
41	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
42	Effect of isoflurane on somatosensory evoked potentials in a rat model. , 2014, 2014, 4286-9.		7
43	Driving Neurogenesis in Neural Stem Cells with High Sensitivity Optogenetics. NeuroMolecular Medicine, 2020, 22, 139-149.	1.8	7
44	Comparative analysis of functional assessment for contusion and transection models of spinal cord injury. Spinal Cord, 2021, 59, 1206-1209.	0.9	7
45	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
46	Spinal cord injury evaluation using morphological difference of somatosensory evoked potentials. , 2011, , .		5
47	Upconversion Nanoparticle-Mediated Optogenetics. Advances in Experimental Medicine and Biology, 2021, 1293, 641-657.	0.8	5
48	A simple and effective semi-invasive method for inducing local hypothermia in rat spinal cord. , 2013, 2013, 6321-4.		4
49	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
50	Effect of thoracic spinal cord injury on forelimb somatosensory evoked potential. Brain Research Bulletin, 2021, 173, 22-27.	1.4	4
51	Assessment of Bilateral SSEP Signals Enhancement following Transactional Spinal Cord Injury Using Linear Modeling. IFMBE Proceedings, 2015, , 1219-1219.	0.2	2
52	Using Variations of Somatosensory Evoked Potentials to Quantify Spinal Cord Injury Level. Engineering, 2013, 05, 99-102.	0.4	2
53	Neuroprotective Role of Hypothermia in Acute Spinal Cord Injury. Biomedicines, 2022, 10, 104.	1.4	1
54	Using of oligodendrocyte progenitors from integration-free human induced pluripotent stem cells in treatment of spinal cord injury (89.4). FASEB Journal, 2014, 28, 89.4.	0.2	0