Nicolas N Madigan

List of Publications by Year
in descending order

21 papers	650 citations	10 h-index	21 g-index
21 all docs	21 docs citations	21 times ranked	964 citing authors

933264

713332

#	Article	IF	Citations
1	Current tissue engineering and novel therapeutic approaches to axonal regeneration following spinal cord injury using polymer scaffolds. Respiratory Physiology and Neurobiology, 2009, 169, 183-199.	0.7	161
2	Safety of intrathecal autologous adipose-derived mesenchymal stromal cells in patients with ALS. Neurology, 2016, 87, 2230-2234.	1.5	93
3	Comparison of polymer scaffolds in rat spinal cord: A step toward quantitative assessment of combinatorial approaches to spinal cord repair. Biomaterials, 2011, 32, 8077-8086.	5.7	71
4	Nerve Guidance by a Decellularized Fibroblast Extracellular Matrix. Matrix Biology, 2017, 60-61, 176-189.	1.5	55
5	GDNF Schwann cells in hydrogel scaffolds promote regional axon regeneration, remyelination and functional improvement after spinal cord transection in rats. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e398-e407.	1.3	50
6	Sustained Delivery of Dibutyryl Cyclic Adenosine Monophosphate to the Transected Spinal Cord Via Oligo [(Polyethylene Glycol) Fumarate] Hydrogels. Tissue Engineering - Part A, 2011, 17, 1287-1302.	1.6	42
7	Comparison of Cellular Architecture, Axonal Growth, and Blood Vessel Formation Through Cell-Loaded Polymer Scaffolds in the Transected Rat Spinal Cord. Tissue Engineering - Part A, 2014, 20, 2985-2997.	1.6	38
8	Glucocorticoids Target Ependymal Glia and Inhibit Repair of the Injured Spinal Cord. Frontiers in Cell and Developmental Biology, 2019, 7, 56.	1.8	18
9	Combinatorial tissue engineering partially restores function after spinal cord injury. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 857-873.	1.3	18
10	The Translesional Spinal Network and Its Reorganization after Spinal Cord Injury. Neuroscientist, 2022, 28, 163-179.	2.6	16
11	Promoting Neuronal Outgrowth Using Ridged Scaffolds Coated with Extracellular Matrix Proteins. Biomedicines, 2021, 9, 479.	1.4	13
12	Newly regenerated axons via scaffolds promote sub-lesional reorganization and motor recovery with epidural electrical stimulation. Npj Regenerative Medicine, 2021, 6, 66.	2.5	12
13	The Role of Alginate Hydrogels as a Potential Treatment Modality for Spinal Cord Injury: A Comprehensive Review of the Literature. Neurospine, 2022, 19, 272-280.	1.1	10
14	DNA methylation patterns in human iPSC-derived sensory neuronal differentiation. Epigenetics, 2019, 14, 927-937.	1.3	9
15	Filamentous tangles with nemaline rods in MYH2 myopathy: a novel phenotype. Acta Neuropathologica Communications, 2021, 9, 79.	2.4	9
16	Micropatterning Decellularized ECM as a Bioactive Surface to Guide Cell Alignment, Proliferation, and Migration. Bioengineering, 2020, 7, 102.	1.6	8
17	Alterations of mesenchymal stromal cells in cerebrospinal fluid: insights from transcriptomics and an ALS clinical trial. Stem Cell Research and Therapy, 2021, 12, 187.	2.4	8
18	Defining Spatial Relationships Between Spinal Cord Axons and Blood Vessels in Hydrogel Scaffolds. Tissue Engineering - Part A, 2021, 27, 648-664.	1.6	7

#	Article	IF	Citations
19	Genome editing technologies and their potential to treat neurologic disease. Neurology, 2017, 89, 1739-1748.	1.5	6
20	A <i>tropomyosin-receptor kinase-fused</i> gene mutation associates with vacuolar myopathy. Neurology: Genetics, 2018, 4, e287.	0.9	5
21	Necrotizing autoimmune myopathy with tubular aggregates. Neurology, 2019, 93, 313-314.	1.5	1