Martin Oudega

List of Publications by Year
in descending order

53 papers	4,307 citations	159585 30 h-index	197818 49 g-index
53 all docs	53 docs citations	53 times ranked	3968 citing authors

#	Article	IF	Citations
1	The Effects of the Combination of Mesenchymal Stromal Cells and Nanofiber-Hydrogel Composite on Repair of the Contused Spinal Cord. Cells, 2022, 11, 1137.	4.1	7
2	The Effect of Inflammatory Priming on the Therapeutic Potential of Mesenchymal Stromal Cells for Spinal Cord Repair. Cells, 2021, 10, 1316.	4.1	10
3	Efficacy and time course of acute intermittent hypoxia effects in the upper extremities of people with cervical spinal cord injury. Experimental Neurology, 2021, 342, 113722.	4.1	17
4	Biomaterials and immunomodulation for spinal cord repair. , 2021, , 119-138.		0
5	Macrophage-Derived Inflammation Induces a Transcriptome Makeover in Mesenchymal Stromal Cells Enhancing Their Potential for Tissue Repair. International Journal of Molecular Sciences, 2021, 22, 781.	4.1	8
6	Acute intermittent hypoxia boosts spinal plasticity in humans with tetraplegia. Experimental Neurology, 2021, 335, 113483.	4.1	27
7	The effect of a nanofiber-hydrogel composite on neural tissue repair and regeneration in the contused spinal cord. Biomaterials, 2020, 245, 119978.	11.4	95
8	Laminin polymer treatment accelerates repair of the crushed peripheral nerve in adult rats. Acta Biomaterialia, 2019, 86, 185-193.	8.3	16
9	Validation study of neurotrophin-3-releasing chitosan facilitation of neural tissue generation in the severely injured adult rat spinal cord. Experimental Neurology, 2019, 312, 51-62.	4.1	33
10	Soluble laminin polymers enhance axon growth of primary neurons <i>in vitro</i>. Journal of Biomedical Materials Research - Part A, 2018, 106, 2372-2381.	4.0	3
11	Biomaterials for revascularization and immunomodulation after spinal cord injury. Biomedical Materials (Bristol), 2018, 13, 044105.	3.3	58
12	Mesenchymal Stem Cell-Macrophage Choreography Supporting Spinal Cord Repair. Neurotherapeutics, 2018, 15, 578-587.	4.4	34
13	Extracellular matrix components as therapeutics for spinal cord injury. Neuroscience Letters, 2017, 652, 50-55.	2.1	53
14	Diagnostic accuracy of evoked potentials for functional impairment after contusive spinal cord injury in adult rats. Journal of Clinical Neuroscience, 2016, 25, 122-126.	1.5	13
15	The Role of Brain-Derived Neurotrophic Factor in Bone Marrow Stromal Cell-Mediated Spinal Cord Repair. Cell Transplantation, 2015, 24, 2209-2220.	2.5	39
16	Large animal and primate models of spinal cord injury for the testing of novel therapies. Experimental Neurology, 2015, 269, 154-168.	4.1	75
17	Biocompatibility of a coacervate-based controlled release system for protein delivery to the injured spinal cord. Acta Biomaterialia, 2015, 11, 204-211.	8.3	21
18	Characterization of a novel primary culture system of adult zebrafish brainstem cells. Journal of Neuroscience Methods, 2014, 223, 11-19.	2.5	9

#	Article	IF	Citations
19	The effect of a polyurethane-based reverse thermal gel on bone marrow stromal cell transplant survival and spinal cord repair. Biomaterials, 2014, 35, 1924-1931.	11.4	52
20	Temporal Profile of Endogenous Anatomical Repair and Functional Recovery following Spinal Cord Injury in Adult Zebrafish. PLoS ONE, 2014, 9, e105857.	2.5	19
21	Spinal cord repair strategies: Schwann cells, neurotrophic factors, and biodegradable polymers. Biomedical Reviews, 2014, 10, 75.	0.6	4
22	Bone Marrow-derived Mesenchymal Stem Cell Transplant Survival in the Injured Rodent Spinal Cord. Journal of Bone Marrow Research, 2014, 02, .	0.2	8
23	Biomaterials for spinal cord repair. Neuroscience Bulletin, 2013, 29, 445-459.	2.9	70
24	Inflammatory response after spinal cord injury. Experimental Neurology, 2013, 250, 151-155.	4.1	14
25	Demonstrating efficacy in preclinical studies of cellular therapies for spinal cord injury â€" How much is enough?. Experimental Neurology, 2013, 248, 30-44.	4.1	52
26	Bone Marrow Stromal Cell-Mediated Tissue Sparing Enhances Functional Repair after Spinal Cord Contusion in Adult Rats. Cell Transplantation, 2012, 21, 1561-1575.	2.5	56
27	Systemic administration of a deoxyribozyme to xylosyltransferase-1 mRNA promotes recovery after a spinal cord contusion injury. Experimental Neurology, 2012, 237, 170-179.	4.1	9
28	Corticospinal reorganization after spinal cord injury. Journal of Physiology, 2012, 590, 3647-3663.	2.9	147
29	Molecular and cellular mechanisms underlying the role of blood vessels in spinal cord injury and repair. Cell and Tissue Research, 2012, 349, 269-288.	2.9	97
30	Robust CNS regeneration after complete spinal cord transection using aligned poly-l-lactic acid microfibers. Biomaterials, 2011, 32, 6068-6079.	11.4	219
31	Reducing macrophages to improve bone marrow stromal cell survival in the contused spinal cord. NeuroReport, 2010, 21, 221-226.	1.2	15
32	Bone Marrow Stromal Cells Elicit Tissue Sparing after Acute but Not Delayed Transplantation into the Contused Adult Rat Thoracic Spinal Cord. Journal of Neurotrauma, 2009, 26, 2313-2322.	3.4	62
33	Creation of highly aligned electrospun poly-L-lactic acid fibers for nerve regeneration applications. Journal of Neural Engineering, 2009, 6, 016001.	3.5	254
34	Deoxyribozyme-mediated knockdown of xylosyltransferase-1 mRNA promotes axon growth in the adult rat spinal cord. Brain, 2008, 131, 2596-2605.	7.6	32
35	Tissue engineering of the nervous system. , 2008, , 611-647.		11
36	Schwann Cell Transplantation for Repair of the Adult Spinal Cord. Journal of Neurotrauma, 2006, 23, 453-467.	3.4	208

#	Article	IF	Citations
37	Degenerative and Spontaneous Regenerative Processes after Spinal Cord Injury. Journal of Neurotrauma, 2006, 23, 263-280.	3.4	271
38	Bone Marrow Stromal Cells for Repair of the Spinal Cord: Towards Clinical Application. Cell Transplantation, 2006, 15, 563-577.	2.5	96
39	Poly (d,l-lactic acid) macroporous guidance scaffolds seeded with Schwann cells genetically modified to secrete a bi-functional neurotrophin implanted in the completely transected adult rat thoracic spinal cord. Biomaterials, 2006, 27, 430-442.	11.4	128
40	Freeze-dried poly(d,l-lactic acid) macroporous guidance scaffolds impregnated with brain-derived neurotrophic factor in the transected adult rat thoracic spinal cord. Biomaterials, 2004, 25, 1569-1582.	11.4	176
41	Basic Fibroblast Growth Factor Promotes Neuronal Survival but Not Behavioral Recovery in the Transected and Schwann Cell Implanted Rat Thoracic Spinal Cord. Journal of Neurotrauma, 2004, 21, 1415-1430.	3.4	72
42	Delayed Transplantation of Olfactory Ensheathing Glia Promotes Sparing/Regeneration of Supraspinal Axons in the Contused Adult Rat Spinal Cord. Journal of Neurotrauma, 2003, 20, 1-16.	3.4	199
43	Neurotrophins Reduce Degeneration of Injured Ascending Sensory and Corticospinal Motor Axons in Adult Rat Spinal Cord. Experimental Neurology, 2002, 175, 282-296.	4.1	78
44	Schwann Cell But Not Olfactory Ensheathing Glia Transplants Improve Hindlimb Locomotor Performance in the Moderately Contused Adult Rat Thoracic Spinal Cord. Journal of Neuroscience, 2002, 22, 6670-6681.	3.6	446
45	Axonal regeneration into Schwann cell grafts within resorbable poly(Î±-hydroxyacid) guidance channels in the adult rat spinal cord. Biomaterials, 2001, 22, 1125-1136.	11.4	168
46	Neurotrophic factors, cellular bridges and gene therapy for spinal cord injury. Journal of Physiology, 2001, 533, 83-89.	2.9	220
47	Neurotrophins BDNF and NTâ€3 promote axonal reâ€entry into the distal host spinal cord through Schwann cellâ€seeded miniâ€channels. European Journal of Neuroscience, 2001, 13, 257-268.	2.6	11
48	Neurotrophins promote regeneration of sensory axons in the adult rat spinal cord. Brain Research, 1999, 818, 431-438.	2.2	138
49	Poly(?-hydroxyacids) for application in the spinal cord: Resorbability and biocompatibility with adult rat Schwann cells and spinal cord. , 1998, 42, 642-654.		102
50	Poly(Î±â€hydroxyacids) for application in the spinal cord: Resorbability and biocompatibility with adult rat Schwann cells and spinal cord. Journal of Biomedical Materials Research Part B, 1998, 42, 642-654.	3.1	8
51	A combination of insulin-like growth factor-I and platelet-derived growth factor enhances myelination but diminishes axonal regeneration into Schwann cell grafts in the adult rat spinal cord. , 1997, 19, 247-258.		78
52	Nerve Growth Factor Promotes Regeneration of Sensory Axons into Adult Rat Spinal Cord. Experimental Neurology, 1996, 140, 218-229.	4.1	178
53	Distribution of corticospinal motor neurons in the postnatal rat: Quantitative evidence for massive collateral elimination and modest cell death. Journal of Comparative Neurology, 1994, 347, 115-126.	1.6	91