

Damien D Pearse

List of Publications by Citations

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74
papers

4,018
citations

33
h-index

63
g-index

77
ext. papers

4,458
ext. citations

5.4
avg, IF

5.23
L-index

#	Paper	IF	Citations
74	cAMP and Schwann cells promote axonal growth and functional recovery after spinal cord injury. <i>Nature Medicine</i> , 2004 , 10, 610-6	50.5	605
73	Combining Schwann cell bridges and olfactory-ensheathing glia grafts with chondroitinase promotes locomotor recovery after complete transection of the spinal cord. <i>Journal of Neuroscience</i> , 2005 , 25, 1169-78	6.6	398
72	Transplantation of Schwann cells and/or olfactory ensheathing glia into the contused spinal cord: Survival, migration, axon association, and functional recovery. <i>Glia</i> , 2007 , 55, 976-1000	9	249
71	Specific pathophysiological functions of JNK isoforms in the brain. <i>European Journal of Neuroscience</i> , 2005 , 21, 363-77	3.5	189
70	Safety of Autologous Human Schwann Cell Transplantation in Subacute Thoracic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2017 , 34, 2950-2963	5.4	141
69	Combination of engineered Schwann cell grafts to secrete neurotrophin and chondroitinase promotes axonal regeneration and locomotion after spinal cord injury. <i>Journal of Neuroscience</i> , 2014 , 34, 1838-55	6.6	116
68	Modulation of the cAMP signaling pathway after traumatic brain injury. <i>Experimental Neurology</i> , 2007 , 208, 145-58	5.7	113
67	Transduced Schwann cells promote axon growth and myelination after spinal cord injury. <i>Experimental Neurology</i> , 2007 , 207, 203-17	5.7	104
66	Critical data-based re-evaluation of minocycline as a putative specific microglia inhibitor. <i>Glia</i> , 2016 , 64, 1788-94	9	103
65	Transplantation strategies to promote repair of the injured spinal cord. <i>Journal of Rehabilitation Research and Development</i> , 2003 , 40, 55-62		96
64	Cyclic AMP is a key regulator of M1 to M2a phenotypic conversion of microglia in the presence of Th2 cytokines. <i>Journal of Neuroinflammation</i> , 2016 , 13, 9	10.1	93
63	Transgenic inhibition of astroglial NF-kappa B leads to increased axonal sparing and sprouting following spinal cord injury. <i>Journal of Neurochemistry</i> , 2009 , 110, 765-78	6	92
62	Chronic spinal hemisection in rats induces a progressive decline in transmission in uninjured fibers to motoneurons. <i>Experimental Neurology</i> , 2009 , 216, 471-80	5.7	78
61	Up-regulation of glomerular COX-2 by angiotensin II: role of reactive oxygen species. <i>Kidney International</i> , 2005 , 68, 2143-53	9.9	69
60	Schwann cell transplantation for spinal cord injury repair: its significant therapeutic potential and prospectus. <i>Reviews in the Neurosciences</i> , 2015 , 26, 121-8	4.7	68
59	The role of the serotonergic system in locomotor recovery after spinal cord injury. <i>Frontiers in Neural Circuits</i> , 2014 , 8, 151	3.5	66
58	Neuronal populations capable of regeneration following a combined treatment in rats with spinal cord transection. <i>Journal of Neurotrauma</i> , 2007 , 24, 1667-73	5.4	65

57	Basic fibroblast growth factor promotes neuronal survival but not behavioral recovery in the transected and Schwann cell implanted rat thoracic spinal cord. <i>Journal of Neurotrauma</i> , 2004 , 21, 1415-30	5.4	65
56	Social and environmental enrichment improves sensory and motor recovery after severe contusive spinal cord injury in the rat. <i>Journal of Neurotrauma</i> , 2007 , 24, 1761-72	5.4	64
55	Suspension matrices for improved Schwann-cell survival after implantation into the injured rat spinal cord. <i>Journal of Neurotrauma</i> , 2010 , 27, 789-801	5.4	62
54	Permissive Schwann cell graft/spinal cord interfaces for axon regeneration. <i>Cell Transplantation</i> , 2015 , 24, 115-31	4	61
53	Proinflammatory cytokine regulation of cyclic AMP-phosphodiesterase 4 signaling in microglia in vitro and following CNS injury. <i>Glia</i> , 2012 , 60, 1839-59	9	57
52	Muscle injection of AAV-NT3 promotes anatomical reorganization of CST axons and improves behavioral outcome following SCI. <i>Journal of Neurotrauma</i> , 2009 , 26, 941-53	5.4	54
51	The therapeutic profile of rolipram, PDE target and mechanism of action as a neuroprotectant following spinal cord injury. <i>PLoS ONE</i> , 2012 , 7, e43634	3.7	50
50	Central but not systemic administration of XPro1595 is therapeutic following moderate spinal cord injury in mice. <i>Journal of Neuroinflammation</i> , 2014 , 11, 159	10.1	48
49	Advantages of delaying the onset of rehabilitative reaching training in rats with incomplete spinal cord injury. <i>European Journal of Neuroscience</i> , 2009 , 29, 641-51	3.5	46
48	Therapeutic Hypothermia in Spinal Cord Injury: The Status of Its Use and Open Questions. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 16848-79	6.3	42
47	Phosphodiesterase Inhibitors as a Therapeutic Approach to Neuroprotection and Repair. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	41
46	PDE4B as a microglia target to reduce neuroinflammation. <i>Glia</i> , 2016 , 64, 1698-709	9	41
45	Female Rats Demonstrate Improved Locomotor Recovery and Greater Preservation of White and Gray Matter after Traumatic Spinal Cord Injury Compared to Males. <i>Journal of Neurotrauma</i> , 2015 , 32, 1146-57	5.4	39
44	Upregulation of cortical COX-2 in salt-sensitive hypertension: role of angiotensin II and reactive oxygen species. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, F385-92	4.3	38
43	Intramuscular AAV delivery of NT-3 alters synaptic transmission to motoneurons in adult rats. <i>European Journal of Neuroscience</i> , 2010 , 32, 997-1005	3.5	37
42	The interplay between cyclic AMP, MAPK, and NF- κ B pathways in response to proinflammatory signals in microglia. <i>BioMed Research International</i> , 2015 , 2015, 308461	3	36
41	A selective phosphodiesterase-4 inhibitor reduces leukocyte infiltration, oxidative processes, and tissue damage after spinal cord injury. <i>Journal of Neurotrauma</i> , 2011 , 28, 1035-49	5.4	32
40	Inhibition of tumour necrosis factor-alpha by antisense targeting produces immunophenotypical and morphological changes in injury-activated microglia and macrophages. <i>European Journal of Neuroscience</i> , 2004 , 20, 3387-96	3.5	32

39	Effect of gender on recovery after spinal cord injury. <i>Translational Stroke Research</i> , 2013 , 4, 447-61	7.8	31
38	Human Schwann cells exhibit long-term cell survival, are not tumorigenic and promote repair when transplanted into the contused spinal cord. <i>Glia</i> , 2017 , 65, 1278-1301	9	30
37	Combining neurotrophin-transduced schwann cells and rolipram to promote functional recovery from subacute spinal cord injury. <i>Cell Transplantation</i> , 2013 , 22, 2203-17	4	29
36	Angiotensin II increases the expression of the transcription factor ETS-1 in mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, F1094-100	4.3	29
35	Regulating Axonal Responses to Injury: The Intersection between Signaling Pathways Involved in Axon Myelination and The Inhibition of Axon Regeneration. <i>Frontiers in Molecular Neuroscience</i> , 2016 , 9, 33	6.1	29
34	Alterations of action potentials and the localization of Nav1.6 sodium channels in spared axons after hemisection injury of the spinal cord in adult rats. <i>Journal of Neurophysiology</i> , 2011 , 105, 1033-44	3.2	25
33	The combination of human neuronal serotonergic cell implants and environmental enrichment after contusive SCI improves motor recovery over each individual strategy. <i>Behavioural Brain Research</i> , 2008 , 194, 236-41	3.4	23
32	MASH1/Ascl1a leads to GAP43 expression and axon regeneration in the adult CNS. <i>PLoS ONE</i> , 2015 , 10, e0118918	3.7	22
31	Inhibition of NADPH oxidase activation in oligodendrocytes reduces cytotoxicity following trauma. <i>PLoS ONE</i> , 2013 , 8, e80975	3.7	22
30	Cellular repair strategies for spinal cord injury. <i>Expert Opinion on Biological Therapy</i> , 2006 , 6, 639-52	5.4	21
29	Cyclic AMP signaling: a molecular determinant of peripheral nerve regeneration. <i>BioMed Research International</i> , 2014 , 2014, 651625	3	19
28	Acute molecular perturbation of inducible nitric oxide synthase with an antisense approach enhances neuronal preservation and functional recovery after contusive spinal cord injury. <i>Journal of Neurotrauma</i> , 2012 , 29, 2244-9	5.4	19
27	Jun, Fos and Krox in the hippocampus after noxious stimulation: simultaneous-input-dependent expression and nuclear speckling. <i>Brain Research</i> , 2001 , 894, 193-208	3.7	19
26	Schwann Cell Transplantation Subdues the Pro-Inflammatory Innate Immune Cell Response after Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	19
25	The Comparative Utility of Viomer RED and Lipofectamine for Transient Gene Introduction into Glial Cells. <i>BioMed Research International</i> , 2015 , 2015, 458624	3	17
24	Peptide-functionalized polymeric nanoparticles for active targeting of damaged tissue in animals with experimental autoimmune encephalomyelitis. <i>Neuroscience Letters</i> , 2015 , 602, 126-32	3.3	16
23	Dose and chemical modification considerations for continuous cyclic AMP analog delivery to the injured CNS. <i>Journal of Neurotrauma</i> , 2009 , 26, 733-40	5.4	16
22	Enzymatic engineering of polysialic acid on cells in vitro and in vivo using a purified bacterial polysialyltransferase. <i>Journal of Biological Chemistry</i> , 2012 , 287, 32770-9	5.4	15

21	Methylprednisolone and other confounders to spinal cord injury clinical trials. <i>Nature Clinical Practice Neurology</i> , 2006 , 2, 402-3		15
20	Does being female provide a neuroprotective advantage following spinal cord injury?. <i>Neural Regeneration Research</i> , 2015 , 10, 1533-6	4.5	14
19	Loss of central inhibition: implications for behavioral hypersensitivity after contusive spinal cord injury in rats. <i>Pain Research and Treatment</i> , 2014 , 2014, 178278	1.9	10
18	Phase 1 Safety Trial of Autologous Human Schwann Cell Transplantation in Chronic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2021 ,	5.4	10
17	Response to the report, "A re-assessment of a combinatorial treatment involving Schwann cell transplants and elevation of cyclic AMP on recovery of motor function following thoracic spinal cord injury in rats" by Sharp et al. (this volume). <i>Experimental Neurology</i> , 2012 , 233, 645-8	5.7	9
16	The assessment of adeno-associated vectors as potential intrinsic treatments for brainstem axon regeneration. <i>Journal of Gene Medicine</i> , 2012 , 14, 20-34	3.5	8
15	Acute Putrescine Supplementation with Schwann Cell Implantation Improves Sensory and Serotonergic Axon Growth and Functional Recovery in Spinal Cord Injured Rats. <i>Neural Plasticity</i> , 2015 , 2015, 186385	3.3	8
14	Use of the CatWalk Gait Device to Assess Differences in Locomotion between Genders in Rats Inherently and following Spinal Cord Injury. <i>Dataset Papers in Science</i> , 2016 , 2016, 1-11		8
13	Targeting Intracellular Signaling Molecules Within the Neuron to Promote Repair After Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2004 , 10, 1-16	1.5	6
12	Imaging characteristics of chronic spinal cord injury identified during screening for a cell transplantation clinical trial. <i>Neurosurgical Focus</i> , 2019 , 46, E8	4.2	6
11	Cyclic AMP-specific PDEs: A promising therapeutic target for CNS repair. <i>Translational Neuroscience</i> , 2010 , 1,	1.2	5
10	Identifying the Long-Term Role of Inducible Nitric Oxide Synthase after Contusive Spinal Cord Injury Using a Transgenic Mouse Model. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	4
9	Analysis of Epineurial Lidocaine Injection for Nerve Transfers in a Rat Sciatic Nerve Model. <i>Journal of Hand Surgery</i> , 2019 , 44, 1027-1036	2.6	2
8	182 Acute Putrescine Supplementation With Schwann Cell Transplantation Improves Sensory and Serotonergic Axon Growth and Functional Recovery in Spinal Cord Injury. <i>Neurosurgery</i> , 2015 , 62, 226-227 ²		2
7	Neuronal and Endothelial Transglutaminase-2 Expression during Experimental Autoimmune Encephalomyelitis and Multiple Sclerosis. <i>Neuroscience</i> , 2021 , 461, 140-154	3.9	2
6	Scalable culture techniques to generate large numbers of purified human Schwann cells for clinical trials in human spinal cord and peripheral nerve injuries. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-10	2.8	2
5	Paralysis research: Promoting nerve fiber protection, growth and functional recovery by cyclic AMP and cell transplantation. <i>Discovery Medicine</i> , 2004 , 4, 199-202	2.5	2
4	Engineering polysialic acid on Schwann cells using polysialyltransferase gene transfer or purified enzyme exposure for spinal cord injury transplantation. <i>Neuroscience Letters</i> , 2021 , 748, 135690	3.3	1

3	Comparative Profiling of TG2 and Its Effectors in Human Relapsing Remitting and Progressive Multiple Sclerosis. <i>Biomedicines</i> , 2022 , 10, 1241	4.8	o
2	The Use of Antisense-Mediated Inhibition to Delineate The Role of Inflammatory Agents in The Pathophysiology of Spinal Cord Injury. <i>Scientific World Journal, The</i> , 2002 , 2, 133-135	2.2	
1	Neuronal and endothelial transglutaminase-2 expression in experimental autoimmune encephalomyelitis and multiple sclerosis.. <i>Neural Regeneration Research</i> , 2022 , 17, 1471-1472	4.5	