Paul J Kingham

List of Publications by Year
in descending order

71 papers	4,162 citations	117625 34 h-index	114465 63 g-index
71 all docs	71 docs citations	71 times ranked	5275 citing authors

#	Article	IF	Citations
1	Adipose-derived stem cells differentiate into a Schwann cell phenotype and promote neurite outgrowth in vitro. Experimental Neurology, 2007, 207, 267-274.	4.1	532
2	Peripheral nerve regeneration: Experimental strategies and future perspectives. Advanced Drug Delivery Reviews, 2015, 82-83, 160-167.	13.7	446
3	Phenotypic and functional characteristics of mesenchymal stem cells differentiated along a Schwann cell lineage. Glia, 2006, 54, 840-849.	4.9	229
4	Engineered neural tissue with aligned, differentiated adipose-derived stem cells promotes peripheral nerve regeneration across a critical sized defect in rat sciatic nerve. Biomaterials, 2015, 37, 242-251.	11.4	186
5	Stimulating the Neurotrophic and Angiogenic Properties of Human Adipose-Derived Stem Cells Enhances Nerve Repair. Stem Cells and Development, 2014, 23, 741-754.	2.1	176
6	Effect of Delayed Peripheral Nerve Repair on Nerve Regeneration, Schwann Cell Function and Target Muscle Recovery. PLoS ONE, 2013, 8, e56484.	2.5	160
7	ECM Molecules Mediate Both Schwann Cell Proliferation and Activation to Enhance Neurite Outgrowth. Tissue Engineering, 2007, 13, 2863-2870.	4.6	136
8	The neurotrophic effects of different human dental mesenchymal stem cells. Scientific Reports, 2017, 7, 12605.	3.3	102
9	Bioengineered nerve regeneration and muscle reinnervation. Journal of Anatomy, 2006, 209, 511-526.	1.5	99
10	Schwann cell-like differentiated adipose stem cells promote neurite outgrowth via secreted exosomes and RNA transfer. Stem Cell Research and Therapy, 2018, 9, 266.	5.5	97
11	Neurotrophic activity of human adipose stem cells isolated from deep and superficial layers of abdominal fat. Cell and Tissue Research, 2011, 344, 251-260.	2.9	95
12	Chitosan polyplex mediated delivery of miRNA-124 reduces activation of microglial cells in vitro and in rat models of spinal cord injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 643-653.	3.3	93
13	New Fibrin Conduit for Peripheral Nerve Repair. Journal of Reconstructive Microsurgery, 2009, 25, 027-033.	1.8	77
14	Long term peripheral nerve regeneration using a novel PCL nerve conduit. Neuroscience Letters, 2013, 544, 125-130.	2.1	75
15	Collagen (NeuraGenÂ®) nerve conduits and stem cells for peripheral nerve gap repair. Neuroscience Letters, 2014, 572, 26-31.	2.1	72
16	Neuroprotective Effects of N-Acetyl-Cysteine and Acetyl-L-Carnitine after Spinal Cord Injury in Adult Rats. PLoS ONE, 2012, 7, e41086.	2.5	69
17	Extracellular Matrix Molecules Enhance the Neurotrophic Effect of Schwann Cell-Like Differentiated Adipose-Derived Stem Cells and Increase Cell Survival Under Stress Conditions. Tissue Engineering - Part A, 2013, 19, 368-379.	3.1	69
18	Eosinophil adhesion to cholinergic nerves via ICAM-1 and VCAM-1 and associated eosinophil degranulation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L1279-L1288.	2.9	68

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19	The CD44/integrins interplay and the significance of receptor binding and re-presentation in the uptake of RGD-functionalized hyaluronic acid. Biomaterials, 2012, 33, 1120-1134.	11.4	67
20	Neuroprotective and growth-promoting effects of bone marrow stromal cells after cervical spinal cord injury in adult rats. Cytotherapy, 2011, 13, 873-887.	0.7	64
21	Bone marrow- and adipose-derived stem cells show expression of myelin mRNAs and proteins. Regenerative Medicine, 2010, 5, 403-410.	1.7	56
22	Regenerative cell injection in denervated muscle reduces atrophy and enhances recovery following nerve repair. Muscle and Nerve, 2013, 47, 691-701.	2.2	51
23	Microtopographical cues promote peripheral nerve regeneration via transient mTORC2 activation. Acta Biomaterialia, 2017, 60, 220-231.	8.3	51
24	Neural Differentiation and Therapeutic Potential of Adipose Tissue Derived Stem Cells. Current Stem Cell Research and Therapy, 2010, 5, 153-160.	1.3	51
25	The role of exosomes in peripheral nerve regeneration. Neural Regeneration Research, 2015, 10, 743.	3.0	51
26	Fibrin conduit supplemented with human mesenchymal stem cells and immunosuppressive treatment enhances regeneration after peripheral nerve injury. Neuroscience Letters, 2012, 516, 171-176.	2.1	47
27	Aging Effect on Neurotrophic Activity of Human Mesenchymal Stem Cells. PLoS ONE, 2012, 7, e45052.	2.5	43
28	Laminin activates NF-Î°B in Schwann cells to enhance neurite outgrowth. Neuroscience Letters, 2008, 439, 42-46.	2.1	41
29	Novel thin-walled nerve conduit with microgrooved surface patterns for enhanced peripheral nerve repair. Journal of Materials Science: Materials in Medicine, 2010, 21, 2765-2774.	3.6	40
30	Harvest site influences the growth properties of adipose derived stem cells. Cytotechnology, 2013, 65, 437-445.	1.6	38
31	The Therapeutic Effects of Human Adipose-Derived Stem Cells in a Rat Cervical Spinal Cord Injury Model. Stem Cells and Development, 2014, 23, 1659-1674.	2.1	38
32	Characterization of human adipose tissue-derived stem cells with enhanced angiogenic and adipogenic properties. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2490-2502.	2.7	38
33	Effects of eosinophils on nerve cell morphology and development: the role of reactive oxygen species and p38 MAP kinase. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L915-L924.	2.9	37
34	Regenerative effects of human embryonic stem cellâ€derived neural crest cells for treatment of peripheral nerve injury. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e2099-e2109.	2.7	37
35	Diverse Effects of Eosinophil Cationic Granule Proteins on IMR-32 Nerve Cell Signaling and Survival. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 169-177.	2.9	36
36	In Vitro Osteogenic Differentiation of Human Mesenchymal Stem Cells from Jawbone Compared with Dental Tissue. Tissue Engineering and Regenerative Medicine, 2017, 14, 763-774.	3.7	36

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37	Adhesion-dependent interactions between eosinophils and cholinergic nerves. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L1229-L1238.	2.9	35
38	Regenerative effects of adipose-tissue-derived stem cells for treatment of peripheral nerve injuries. Biochemical Society Transactions, 2014, 42, 697-701.	3.4	33
39	Poly-3-hydroxybutyrate strips seeded with regenerative cells are effective promoters of peripheral nerve repair. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 812-821.	2.7	32
40	Effect of Eosinophil Adhesion on Intracellular Signaling in Cholinergic Nerve Cells. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 333-341.	2.9	31
41	Development and validation of an in vitro model system to study peripheral sensory neuron development and injury. Scientific Reports, 2018, 8, 15961.	3.3	30
42	<i>In vitro</i> evaluation of polyesterâ€based scaffolds seeded with adipose derived stem cells for peripheral nerve regeneration. Journal of Biomedical Materials Research - Part A, 2010, 95A, 701-708.	4.0	29
43	Muscle recovery after repair of short and long peripheral nerve gaps using fibrin conduits. Neuroscience Letters, 2011, 500, 41-46.	2.1	29
44	Chapter 21 Use of Stem Cells for Improving Nerve Regeneration. International Review of Neurobiology, 2009, 87, 393-403.	2.0	28
45	Notch independent signalling mediates Schwann cell-like differentiation of Adipose Derived Stem Cells. Neuroscience Letters, 2009, 467, 164-168.	2.1	25
46	Neurotrophins 3 and 4 differentially regulate NCAM, L1 and Nâ€cadherin expression during peripheral nerve regeneration. Biotechnology and Applied Biochemistry, 2008, 49, 165-174.	3.1	22
47	Eosinophil Adhesion to Cholinergic IMR-32 Cells Protects against Induced Neuronal Apoptosis. Journal of Immunology, 2004, 173, 5963-5970.	0.8	20
48	Reinnervation of laryngeal muscles: A study of changes in myosin heavy chain expression. Muscle and Nerve, 2005, 32, 761-766.	2.2	19
49	Evaluation of growth, stemness, and angiogenic properties of dental pulp stem cells cultured in cGMP xeno-/serum-free medium. Cell and Tissue Research, 2020, 380, 93-105.	2.9	19
50	Investigation of the Expression of Myogenic Transcription Factors, microRNAs and Muscle-Specific E3 Ubiquitin Ligases in the Medial Gastrocnemius and Soleus Muscles following Peripheral Nerve Injury. PLoS ONE, 2015, 10, e0142699.	2.5	18
51	Adipose tissue and bone marrow-derived stem cells react similarly in an ischaemia-like microenvironment. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 473-485.	2.7	17
52	Trimethylene carbonate-caprolactone conduit with poly-p-dioxanone microfilaments to promote regeneration after spinal cord injury. Acta Biomaterialia, 2018, 66, 177-191.	8.3	17
53	Effect of neurotrophin-3 on reinnervation of the larynx using the phrenic nerve transfer technique. European Journal of Neuroscience, 2007, 25, 331-340.	2.6	16
54	Eosinophil-induced release of acetylcholine from differentiated cholinergic nerve cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L1296-L1304.	2.9	15

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55	A 3D <i>in vitro</i> model reveals differences in the astrocyte response elicited by potential stem cell therapies for CNS injury. Regenerative Medicine, 2013, 8, 739-746.	1.7	15
56	Intrinsic mechanisms underlying the neurotrophic activity of adipose derived stem cells. Experimental Cell Research, 2015, 331, 142-151.	2.6	15
57	Adipose-Derived Stem Cells for Nerve Repair: Hype or Reality?. Cells Tissues Organs, 2014, 200, 23-30.	2.3	14
58	A Morphological and Molecular Characterization of the Spinal Cord after Ventral Root Avulsion or Distal Peripheral Nerve Axotomy Injuries in Adult Rats. Journal of Neurotrauma, 2017, 34, 652-660.	3.4	13
59	Effects of a defined xeno-free medium on the growth and neurotrophic and angiogenic properties of human adult stem cells. Cytotherapy, 2017, 19, 629-639.	0.7	11
60	Long-Term Effects of Fibrin Conduit with Human Mesenchymal Stem Cells and Immunosuppression after Peripheral Nerve Repair in a Xenogenic Model. Cell Medicine, 2018, 10, 215517901876032.	5.0	11
61	Stem Cell and Neuron Co-cultures for the Study of Nerve Regeneration. Methods in Molecular Biology, 2011, 695, 115-127.	0.9	11
62	Adipose stem cells enhance myoblast proliferation via acetylcholine and extracellular signalâ€“regulated kinase 1/2 signaling. Muscle and Nerve, 2018, 57, 305-311.	2.2	10
63	Three-Dimensional Osteogenic Differentiation of Bone Marrow Mesenchymal Stem Cells Promotes Matrix Metallopeptidase 13 (MMP13) Expression in Type I Collagen Hydrogels. International Journal of Molecular Sciences, 2021, 22, 13594.	4.1	8
64	Mechanism of eosinophil induced signaling in cholinergic IMR-32 cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L326-L332.	2.9	7
65	Secretome from In Vitro Mechanically Loaded Myoblasts Induces Tenocyte Migration, Transition to a Fibroblastic Phenotype and Suppression of Collagen Production. International Journal of Molecular Sciences, 2021, 22, 13089.	4.1	3
66	Hyaluronic Acid (HA) Receptors and the Motility of Schwann Cell(-Like) Phenotypes. Cells, 2020, 9, 1477.	4.1	2
67	Water jet-assisted lipoaspiration and Sepax cell separation system for the isolation of adipose stem cells with high adipogenic potential. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 2759-2767.	1.0	2
68	Extracellular Vesicles for Nerve Regeneration. , 2021, , 1-22.		1
69	Intramuscular Stem Cell Injection in Combination with Bioengineered Nerve Repair or Nerve Grafting Reduces Muscle Atrophy. Plastic and Reconstructive Surgery, 2022, 149, 905e-913e.	1.4	1
70	Peripheral nerve tissue engineering. , 2022, , 481-517.		0
71	Extracellular Vesicles for Nerve Regeneration. Reference Series in Biomedical Engineering, 2022, , 415-435.	0.1	0