Jill M Mcmahon

List of Publications by Year
in descending order

42 papers	1,998 citations	279798 23 h-index	265206 42 g-index
42 all docs	42 docs citations	42 times ranked	2790 citing authors

#	Article	IF	Citations
1	Profile of the unfolded protein response in rat cerebellar cortical development. Journal of Comparative Neurology, 2019, 527, 2910-2924.	1.6	6
2	Threshold-based segmentation of fluorescent and chromogenic images of microglia, astrocytes and oligodendrocytes in FIJI. Journal of Neuroscience Methods, 2018, 295, 87-103.	2.5	38
3	UPR Induction Prevents Iron Accumulation and Oligodendrocyte Loss in ex vivo Cultured Hippocampal Slices. Frontiers in Neuroscience, 2018, 12, 969.	2.8	2
4	New generation of headgear for rugby: impact reduction of linear and rotational forces by a viscoelastic material-based rugby head guard. BMJ Open Sport and Exercise Medicine, 2018, 4, e000464.	2.9	11
5	Seeing the wood for the trees: towards improved quantification of glial cells in central nervous system tissue. Neural Regeneration Research, 2018, 13, 1520.	3.0	7
6	Staying in the game: a pilot study examining the efficacy of protective headgear in an animal model of mild traumatic brain injury (mTBI). Brain Injury, 2017, 31, 1521-1529.	1.2	7
7	Modelling iron mismanagement in neurodegenerative disease in vitro: paradigms, pitfalls, possibilities & practical considerations. Progress in Neurobiology, 2017, 158, 1-14.	5.7	21
8	Significant glial alterations in response to iron loading in a novel organotypic hippocampal slice culture model. Scientific Reports, 2016, 6, 36410.	3.3	33
9	The role of the unfolded protein response in myelination. Neural Regeneration Research, 2016, 11, 394.	3.0	2
10	Differential activation of ER stress pathways in myelinating cerebellar tracts. International Journal of Developmental Neuroscience, 2015, 47, 347-360.	1.6	22
11	Mesenchymal stem cells and a vitamin D receptor agonist additively suppress T helper 17 cells and the related inflammatory response in the kidney. American Journal of Physiology - Renal Physiology, 2014, 307, F1412-F1426.	2.7	14
12	Calreticulin and other components of endoplasmic reticulum stress in rat and human inflammatory demyelination. Acta Neuropathologica Communications, 2013, 1, 37.	5.2	44
13	Liposomal surface coatings of metal stents for efficient non-viral gene delivery to the injured vasculature. Journal of Controlled Release, 2013, 167, 109-119.	9.9	14
14	Mesenchymal Stem Cell Survival in the Infarcted Heart Is Enhanced by Lentivirus Vector-Mediated Heat Shock Protein 27 Expression. Human Gene Therapy, 2013, 24, 840-851.	2.7	90
15	Increased expression of ER stress- and hypoxia-associated molecules in grey matter lesions in multiple sclerosis. Multiple Sclerosis Journal, 2012, 18, 1437-1447.	3.0	47
16	Lentiviral vector mediated modification of mesenchymal stem cells & enhanced survival in an in vitro model of ischaemia. Stem Cell Research and Therapy, 2011, 2, 12.	5.5	89
17	Expression profiles of endoplasmic reticulum stress-related molecules in demyelinating lesions and multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 808-818.	3.0	64
18	Gene expression analysis of the microvascular compartment in multiple sclerosis using laser microdissected blood vessels. Acta Neuropathologica, 2010, 119, 601-615.	7.7	28

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19	Bolus Delivery of Mesenchymal Stem Cells to Injured Vasculature in the Rabbit Carotid Artery Produces a Dysfunctional Endothelium. Tissue Engineering - Part A, 2010, 16, 1657-1665.	3.1	5
20	Generation of Antioxidant Adenovirus Gene Transfer Vectors Encoding CuZnSOD, MnSOD, and Catalase. Methods in Molecular Biology, 2010, 594, 381-393.	0.9	6
21	Comparison of Viral and Nonviral Vectors for Gene Transfer to Human Endothelial Progenitor Cells. Tissue Engineering - Part C: Methods, 2009, 15, 223-231.	2.1	25
22	The effects of bloodâ€"brain barrier disruption on glial cell function in multiple sclerosis. Biochemical Society Transactions, 2009, 37, 329-331.	3.4	52
23	Gene delivery to the vasculature mediated by lowâ€titre adenoâ€associated virus serotypes 1 and 5. Journal of Gene Medicine, 2008, 10, 143-151.	2.8	22
24	A non-apoptotic role for caspase-9 in muscle differentiation. Journal of Cell Science, 2008, 121, 3786-3793.	2.0	142
25	Gene-eluting Stents: Adenovirus-mediated Delivery of eNOS to the Blood Vessel Wall Accelerates Re-endothelialization and Inhibits Restenosis. Molecular Therapy, 2008, 16, 1674-1680.	8.2	78
26	Increased Expression of Endoplasmic Reticulum Stress-Related Signaling Pathway Molecules in Multiple Sclerosis Lesions. Journal of Neuropathology and Experimental Neurology, 2008, 67, 200-211.	1.7	99
27	Gene Delivery to Dystrophic Muscle. Methods in Molecular Biology, 2008, 423, 421-431.	0.9	7
28	The effect of cholecyst-derived extracellular matrix on the phenotypic behaviour of valvular endothelial and valvular interstitial cells. Biomaterials, 2007, 28, 1461-1469.	11.4	16
29	Identification of an inhibitor of caspase activation from heart extracts; ATP blocks apoptosome formation. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 465-474.	4.9	14
30	Gene Transfer into Rat Mesenchymal Stem Cells: A Comparative Study of Viral and Nonviral Vectors. Stem Cells and Development, 2006, 15, 87-96.	2.1	142
31	Gene-Eluting Stents: Comparison of Adenoviral and Adeno- Associated Viral Gene Delivery to the Blood Vessel Wall In Vivo. Human Gene Therapy, 2006, 17, 741-750.	2.7	48
32	Electroporation for Gene Transfer to Skeletal Muscles. BioDrugs, 2004, 18, 155-165.	4.6	81
33	High-efficiency plasmid gene transfer into dystrophic muscle. Gene Therapy, 2003, 10, 504-512.	4.5	76
34	Optimisation of electrotransfer of plasmid into skeletal muscle by pretreatment with hyaluronidase â€" increased expression with reduced muscle damage. Gene Therapy, 2001, 8, 1264-1270.	4.5	235
35	Evaluation of Plasmid DNA for in Vivo Gene Therapy: Factors Affecting the Number of Transfected Fibers. Journal of Pharmaceutical Sciences, 1998, 87, 763-768.	3.3	23
36	Inflammatory responses following direct injection of plasmid DNA into skeletal muscle. Gene Therapy, 1998, 5, 1283-1290.	4.5	101

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37	Immune responses, not promoter inactivation, are responsible for decreased longâ€term expression following plasmid gene transfer into skeletal muscle. FEBS Letters, 1997, 407, 164-168.	2.8	47
38	The Significance of Measles Virus Antigen and Genome Distribution in the CNS in SSPE for Mechanisms of Viral Spread and Demyelination. Journal of Neuropathology and Experimental Neurology, 1996, 55, 471-480.	1.7	100
39	The use of microwave irradiation as a pretreatment toin situ hybridization for the detection of measles virus and chicken anaemia virus in formalin-fixed paraffin-embedded tissue. The Histochemical Journal, 1996, 28, 157-164.	0.6	24
40	Microwave antigen retrieval for immunocytochemistry on formalin-fixed, paraffin-embedded post-mortem CNS tissue. Journal of Pathology, 1995, 176, 207-216.	4.5	48
41	A Comparison of Digoxigenin and Biotin Labelled DNA and RNA Probes for in Situ Hybridization. Biotechnic and Histochemistry, 1995, 70, 147-154.	1.3	18
42	Association of measles virus with neurofibrillary tangles in subacute sclerosing panencephalitis: a combined <i>in situ</i> hybridization and immunocytochemical investigation. Neuropathology and Applied Neurobiology, 1994, 20, 103-110.	3.2	50