

David A Mahns

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,204
citations

304743

22
h-index

414414

32
g-index

53
all docs

53
docs citations

53
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrotactile Frequency Discrimination in Human Hairy Skin. <i>Journal of Neurophysiology</i> , 2006, 95, 1442-1450.	1.8	179
2	The incidence of acute oxaliplatin-induced neuropathy and its impact on treatment in the first cycle: a systematic review. <i>BMC Cancer</i> , 2018, 18, 410.	2.6	77
3	Allodynia mediated by C-tactile afferents in human hairy skin. <i>Journal of Physiology</i> , 2011, 589, 4065-4075.	2.9	61
4	Behavioural phenotypes in the cuprizone model of central nervous system demyelination. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 23-46.	6.1	55
5	Nerve repair: toward a sutureless approach. <i>Neurosurgical Review</i> , 2014, 37, 585-595.	2.4	53
6	Impairment of human proprioception by high-frequency cutaneous vibration. <i>Journal of Physiology</i> , 2007, 581, 971-980.	2.9	52
7	The roles of microglia and astrocytes in phagocytosis and myelination: Insights from the cuprizone model of multiple sclerosis. <i>Glia</i> , 2022, 70, 1215-1250.	4.9	49
8	Absence of large-diameter sensory fibres in a nerve to the cat humerus. <i>Journal of Anatomy</i> , 2006, 208, 251-255.	1.5	33
9	Revisiting the Pathoetiology of Multiple Sclerosis: Has the Tail Been Wagging the Mouse?. <i>Frontiers in Immunology</i> , 2020, 11, 572186.	4.8	33
10	Tactile sensory channels over-ruled by frequency decoding system that utilizes spike pattern regardless of receptor type. <i>ELife</i> , 2019, 8, .	6.0	33
11	Lysozyme depolymerization of photo-activated chitosan adhesive films. <i>Carbohydrate Polymers</i> , 2015, 121, 56-63.	10.2	30
12	Behavioural and histological changes in cuprizone-fed mice. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 508-523.	4.1	29
13	An intact peripheral nerve preparation for monitoring the activity of single, periosteal afferent nerve fibres. <i>Journal of Neuroscience Methods</i> , 2006, 156, 140-144.	2.5	28
14	Mechanical allodynia in human glabrous skin mediated by low-threshold cutaneous mechanoreceptors with unmyelinated fibres. <i>Experimental Brain Research</i> , 2013, 231, 139-151.	1.5	28
15	Laser-activated adhesive films for sutureless median nerve anastomosis. <i>Journal of Biophotonics</i> , 2013, 6, 938-949.	2.3	28
16	Cav3.2-expressing low-threshold C fibres in human hairy skin contribute to cold allodynia—a non-TRPV1- and non-TRPM8-dependent phenomenon. <i>Pain</i> , 2015, 156, 1566-1575.	4.2	28
17	Tissue repair strength using chitosan adhesives with different physical-chemical characteristics. <i>Journal of Biophotonics</i> , 2014, 7, 948-955.	2.3	27
18	Psychophysical Investigations into the Role of Low-Threshold C Fibres in Non-Painful Affective Processing and Pain Modulation. <i>PLoS ONE</i> , 2015, 10, e0138299.	2.5	24

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19	Long term recovery of median nerve repair using laser-activated chitosan adhesive films. <i>Journal of Biophotonics</i> , 2015, 8, 196-207.	2.3	24
20	Suppression of the Peripheral Immune System Limits the Central Immune Response Following Cuprizone-Feeding: Relevance to Modelling Multiple Sclerosis. <i>Cells</i> , 2019, 8, 1314.	4.1	24
21	C-tactile Fibers Contribute to Cutaneous Allodynia After Eccentric Exercise. <i>Journal of Pain</i> , 2013, 14, 538-548.	1.4	23
22	A flexible polyaniline-based bioelectronic patch. <i>Biomaterials Science</i> , 2018, 6, 493-500.	5.4	23
23	Differential sensitivity to surface compliance by tactile afferents in the human finger pad. <i>Journal of Neurophysiology</i> , 2014, 111, 1308-1317.	1.8	22
24	CD8 T-cell Recruitment Into the Central Nervous System of Cuprizone-Fed Mice: Relevance to Modeling the Etiology of Multiple Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 43.	3.7	22
25	In vitro cell compatibility study of rose bengal-chitosan adhesives. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 762-768.	2.1	21
26	The effects of preferential A- and C-fibre blocks and T-type calcium channel antagonist on detection of low-force monofilaments in healthy human participants. <i>BMC Neuroscience</i> , 2015, 16, 52.	1.9	18
27	An investigation into the peripheral substrates involved in the tactile modulation of cutaneous pain with emphasis on the C-tactile fibres. <i>Experimental Brain Research</i> , 2013, 227, 457-465.	1.5	15
28	Fabrication and Application of Rose Bengal-chitosan Films in Laser Tissue Repair. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	14
29	Sensory perturbations using suture and sutureless repair of transected median nerve in rats. <i>Somatosensory & Motor Research</i> , 2016, 33, 20-28.	0.9	14
30	Electrophysiological characterization of human rectal afferents. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G1047-G1055.	3.4	13
31	Proteomics of Multiple Sclerosis: Inherent Issues in Defining the Pathoetiology and Identifying (Early) Biomarkers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7377.	4.1	13
32	Minocycline Prevents Muscular Pain Hypersensitivity and Cutaneous Allodynia Produced by Repeated Intramuscular Injections of Hypertonic Saline in Healthy Human Participants. <i>Journal of Pain</i> , 2017, 18, 994-1005.	1.4	12
33	Inhibition of vagal vasodilatation by a selective neuropeptide Y Y2 receptor agonist in the bronchial circulation of anaesthetised dogs. <i>Journal of the Autonomic Nervous System</i> , 1998, 73, 80-85.	1.9	11
34	The cortical representation of sensory inputs arising from bone. <i>Brain Research</i> , 2009, 1269, 47-53.	2.2	11
35	Inhibition of sympathetic cholinergic vasodilatation by a selective NPY Y2 receptor agonist in the gracilis muscle of anaesthetised dogs. <i>Journal of the Autonomic Nervous System</i> , 1998, 68, 14-20.	1.9	9
36	Minocycline reduces experimental muscle hyperalgesia induced by repeated nerve growth factor injections in humans: A placebo-controlled double-blind drug crossover study. <i>European Journal of Pain</i> , 2020, 24, 1138-1150.	2.8	8

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37	Variability of Oxaliplatin-Induced Neuropathic Pain Symptoms in Each Cycle and Its Implications on the Management of Colorectal Cancer Patients: A Retrospective Study in South Western Sydney Local Health District Hospitals, Sydney, Australia. <i>Journal of Oncology</i> , 2019, 2019, 1-11.	1.3	7
38	NPY Y2 receptor agonist, N-acetyl [Leu28,Leu31]NPY24-36, reduces renal vasoconstrictor activity in anaesthetised dogs. <i>Journal of the Autonomic Nervous System</i> , 1999, 78, 10-17.	1.9	6
39	Tactile sensory function in the forearm of the monotreme <i>Tachyglossus aculeatus</i> . <i>Journal of Comparative Neurology</i> , 2003, 459, 173-185.	1.6	6
40	Single tactile afferents outperform human subjects in a vibrotactile intensity discrimination task. <i>Journal of Neurophysiology</i> , 2014, 112, 2382-2387.	1.8	6
41	Why does a cooled object feel heavier? Psychophysical investigations into the Weber's Phenomenon. <i>BMC Neuroscience</i> , 2017, 18, 4.	1.9	6
42	Characterisation of the Mouse Cerebellar Proteome in the GFAP-IL6 Model of Chronic Neuroinflammation. <i>Cerebellum</i> , 2022, 21, 404-424.	2.5	6
43	Histological and Top-Down Proteomic Analyses of the Visual Pathway in the Cuprizone Demyelination Model. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1374-1401.	2.3	5
44	Expression profiles of the genes associated with zinc homeostasis in normal and cancerous breast and prostate cells. <i>Metallomics</i> , 2022, 14, .	2.4	4
45	Effect of three galanin antagonists on the pressor response to galanin in the Cane toad, <i>Bufo marinus</i> . <i>Regulatory Peptides</i> , 1996, 67, 163-168.	1.9	3
46	Predicting the spatiotemporal expression of local and referred acute muscle pain in individual subjects. <i>Experimental Brain Research</i> , 2012, 223, 11-18.	1.5	3
47	Noxious, but not innocuous, thermal stimuli evoke pERK expression in dorsal horn neurons after spared nerve injury in adult rats. <i>Neuroscience Letters</i> , 2017, 654, 49-55.	2.1	3
48	Differing roles for parvalbumin neurons after nerve injury. <i>Neural Regeneration Research</i> , 2016, 11, 1241.	3.0	2
49	The effect of galanin and galanin fragments on blood pressure in the Cane toad, <i>Bufo marinus</i> . <i>Regulatory Peptides</i> , 1996, 67, 153-162.	1.9	1
50	Modulation of Muscle Pain Is Not Somatotopically Restricted: An Experimental Model Using Concurrent Hypertonic-Normal Saline Infusions in Humans. <i>Frontiers in Pain Research</i> , 2020, 1, 601544.	2.0	1
51	Minocycline Treatment Reduces Mass and Force Output From Fast-Twitch Mouse Muscles and Inhibits Myosin Production in C2C12 Myotubes. <i>Frontiers in Physiology</i> , 2021, 12, 696039.	2.8	1