

Lucy Donaldson

List of Publications by Year in descending order

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78
papers

3,461
citations

147801

31
h-index

144013

57
g-index

104
all docs

104
docs citations

104
times ranked

4362
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Characterization of a Putative K-Cl Cotransporter in Rat Brain. <i>Journal of Biological Chemistry</i> , 1996, 271, 16245-16252.	3.4	479
2	Taste and weight: is there a link?. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 800S-803S.	4.7	177
3	Increased expression of preprotachykinin, calcitonin gene-related peptide, but not vasoactive intestinal peptide messenger RNA in dorsal root ganglia during the development of adjuvant monoarthritis in the rat. <i>Molecular Brain Research</i> , 1992, 16, 143-149.	2.3	174
4	Human Taste Thresholds Are Modulated by Serotonin and Noradrenaline. <i>Journal of Neuroscience</i> , 2006, 26, 12664-12671.	3.6	171
5	Taste perception and implicit attitude toward sweet related to body mass index and soft drink supplementation. <i>Appetite</i> , 2011, 57, 237-246.	3.7	115
6	Vascular Endothelial Growth Factor-A165b Is Protective and Restores Endothelial Glycocalyx in Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1889-1904.	6.1	112
7	A model of periodontitis in the rat: effect of lipopolysaccharide on bone resorption, osteoclast activity, and local peptidergic innervation. <i>Journal of Clinical Periodontology</i> , 2004, 31, 596-603.	4.9	108
8	VEGF-A165b Is an Endogenous Neuroprotective Splice Isoform of Vascular Endothelial Growth Factor A in Vivo and in Vitro. <i>American Journal of Pathology</i> , 2013, 183, 918-929.	3.8	98
9	Glucocorticoid receptor and NGFI-A gene expression are induced in the hippocampus after environmental enrichment in adult rats. <i>Molecular Brain Research</i> , 1994, 23, 349-353.	2.3	96
10	Characterisation of a Freund's complete adjuvant-induced model of chronic arthritis in mice. <i>Journal of Neuroscience Methods</i> , 2003, 128, 45-52.	2.5	93
11	NMN Deamidase Delays Wallerian Degeneration and Rescues Axonal Defects Caused by NMNAT2 Deficiency In Vivo. <i>Current Biology</i> , 2017, 27, 784-794.	3.9	86
12	A discrete adjuvant-induced monoarthritis in the rat: effects of adjuvant dose. <i>Journal of Neuroscience Methods</i> , 1993, 49, 5-10.	2.5	83
13	Neuropeptide gene expression and capsaicin-sensitive primary afferents: maintenance and spread of adjuvant arthritis in the rat.. <i>Journal of Physiology</i> , 1995, 486, 473-482.	2.9	78
14	Pharmacology of Modulators of Alternative Splicing. <i>Pharmacological Reviews</i> , 2017, 69, 63-79.	16.0	72
15	Inflammation alters cation chloride cotransporter expression in sensory neurons. <i>Neurobiology of Disease</i> , 2004, 17, 62-69.	4.4	66
16	Cyclooxygenase-1 is a marker for a subpopulation of putative nociceptive neurons in rat dorsal root ganglia. <i>European Journal of Neuroscience</i> , 2000, 12, 911-920.	2.6	65
17	Regulation of alternative VEGF-A mRNA splicing is a therapeutic target for analgesia. <i>Neurobiology of Disease</i> , 2014, 71, 245-259.	4.4	65
18	The endogenous anti-angiogenic family of splice variants of VEGF, VEGFxxx _b , are down-regulated in pre-eclamptic placentae at term. <i>Clinical Science</i> , 2006, 110, 575-585.	4.3	61

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19	Sex differences in inflammation and inflammatory pain in cyclooxygenase-deficient mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R327-R334.	1.8	53
20	Spontaneous firing in C-fibers and increased mechanical sensitivity in A-fibers of knee joint-associated mechanoreceptive primary afferent neurones during MIA-induced osteoarthritis in the rat. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 305-313.	1.3	50
21	Vascular endothelial growth factor-A165b prevents diabetic neuropathic pain and sensory neuronal degeneration. <i>Clinical Science</i> , 2015, 129, 741-756.	4.3	50
22	Sensory nerves have altered function contralateral to a monoarthritis and may contribute to the symmetrical spread of inflammation. <i>European Journal of Neuroscience</i> , 2007, 26, 935-942.	2.6	48
23	Inflammation reduces mechanical thresholds in a population of transient receptor potential channel A1-expressing nociceptors in the rat. <i>European Journal of Neuroscience</i> , 2008, 27, 3151-3160.	2.6	47
24	SRPK1 inhibition <i>in vivo</i> : modulation of VEGF splicing and potential treatment for multiple diseases. <i>Biochemical Society Transactions</i> , 2012, 40, 831-835.	3.4	45
25	Cyclooxygenase-1-Derived Prostaglandins in the Periaqueductal Gray Differentially Control C- versus A-Fiber-Evoked Spinal Nociception. <i>Journal of Neuroscience</i> , 2007, 27, 11296-11305.	3.6	42
26	Unilateral arthritis: contralateral effects. <i>Trends in Neurosciences</i> , 1999, 22, 495.	8.6	37
27	Expression and regulation of prostaglandin E receptor subtype mRNAs in rat sensory ganglia and spinal cord in response to peripheral inflammation. <i>Prostaglandins and Other Lipid Mediators</i> , 2001, 63, 109-122.	1.9	37
28	Intrathecal reboxetine suppresses evoked and ongoing neuropathic pain behaviours by restoring spinal noradrenergic inhibitory tone. <i>Pain</i> , 2015, 156, 328-334.	4.2	36
29	Vascular endothelial growth factor-A165b ameliorates outer-retinal barrier and vascular dysfunction in the diabetic retina. <i>Clinical Science</i> , 2017, 131, 1225-1243.	4.3	36
30	Alternative RNA splicing: contribution to pain and potential therapeutic strategy. <i>Drug Discovery Today</i> , 2016, 21, 1787-1798.	6.4	35
31	Local anaesthesia prevents acute inflammatory changes in neuropeptide messenger RNA expression in rat dorsal root ganglia neurons. <i>Neuroscience Letters</i> , 1994, 175, 111-113.	2.1	34
32	Transient receptor potential channel A1 and noxious cold responses in rat cutaneous nociceptors. <i>Neuroscience</i> , 2010, 165, 1412-1419.	2.3	33
33	Ovarian VEGF165b expression regulates follicular development, corpus luteum function and fertility. <i>Reproduction</i> , 2012, 143, 501-511.	2.6	31
34	VEGFR2 promotes central endothelial activation and the spread of pain in inflammatory arthritis. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 49-67.	4.1	31
35	Sensory neuronal sensitisation occurs through HMGB-1/ RAGE and TRPV1 in high glucose conditions. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	31
36	Differential contributions of A- and C-nociceptors to primary and secondary inflammatory hypersensitivity in the rat. <i>Pain</i> , 2015, 156, 1074-1083.	4.2	31

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37	Activation of the Galanin Receptor 2 in the Periphery Reverses Nerve Injury-Induced Allodynia. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-26.	2.1	30
38	Sensory neuropeptide mRNA up-regulation is bilateral in periodontitis in the rat: a possible neurogenic component to symmetrical periodontal disease. <i>European Journal of Neuroscience</i> , 2004, 19, 650-658.	2.6	29
39	Intact cutaneous C fibre afferent properties in mechanical and cold neuropathic allodynia. <i>European Journal of Pain</i> , 2010, 14, 565.e1-565.e10.	2.8	28
40	The control of alternative splicing by SRSF1 in myelinated afferents contributes to the development of neuropathic pain. <i>Neurobiology of Disease</i> , 2016, 96, 186-200.	4.4	28
41	Diabetes-induced microvascular complications at the level of the spinal cord: a contributing factor in diabetic neuropathic pain. <i>Journal of Physiology</i> , 2018, 596, 3675-3693.	2.9	26
42	Physiological Role of Vascular Endothelial Growth Factors as Homeostatic Regulators. , 2018, 8, 955-979.		24
43	Opiate agonists and antagonists modulate taste perception in opiate-maintained and recently detoxified subjects. <i>Journal of Psychopharmacology</i> , 2013, 27, 265-275.	4.0	22
44	Inducible receptors. <i>Trends in Pharmacological Sciences</i> , 1997, 18, 171-181.	8.7	21
45	C-terminal splice variants of the μ -opioid receptor: existence, distribution and functional characteristics. <i>Journal of Neurochemistry</i> , 2008, 104, 937-945.	3.9	20
46	Transcription factor AP-2 gene expression in adult rat hippocampal regions: effects of environmental manipulations. <i>Neuroscience Letters</i> , 1995, 189, 113-116.	2.1	19
47	Peripheral Galanin Receptor 2 as a Target for the Modulation of Pain. <i>Pain Research and Treatment</i> , 2012, 2012, 1-8.	1.7	19
48	Piperazine-2,3-dicarboxylic Acid Derivatives as Dual Antagonists of NMDA and GluK1-Containing Kainate Receptors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 327-341.	6.4	19
49	The degree of acute descending control of spinal nociception in an area of primary hyperalgesia is dependent on the peripheral domain of afferent input. <i>Journal of Physiology</i> , 2014, 592, 3611-3624.	2.9	18
50	Characterization of a novel neuropathic pain model in mice. <i>NeuroReport</i> , 2008, 19, 825-829.	1.2	17
51	Single bright light exposure decreases sweet taste threshold in healthy volunteers. <i>Journal of Psychopharmacology</i> , 2013, 27, 921-929.	4.0	17
52	Periaqueductal Grey EP3 Receptors Facilitate Spinal Nociception in Arthritic Secondary Hypersensitivity. <i>Journal of Neuroscience</i> , 2016, 36, 9026-9040.	3.6	17
53	Specific Testicular Cellular Localization and Hormonal Regulation of the PKI ¹ and PKI ² Isoforms of the Inhibitor Protein of the cAMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 1997, 272, 20021-20029.	3.4	15
54	Identification of a prostaglandin E2 receptor splice variant and its expression in rat tissues. <i>Prostaglandins and Other Lipid Mediators</i> , 2001, 63, 165-173.	1.9	15

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55	Differential Roles of Galanin on Mechanical and Cooling Responses at the Primary Afferent Nociceptor. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-41.	2.1	15
56	Inflammation alters somatostatin mRNA expression in sensory neurons in the rat. <i>European Journal of Neuroscience</i> , 2005, 21, 135-141.	2.6	14
57	Effects of acute abstinence and nicotine administration on taste perception in cigarette smokers. <i>Journal of Psychopharmacology</i> , 2010, 24, 1709-1715.	4.0	13
58	Cisplatin induced sensory neuropathy is prevented by vascular endothelial growth factor-A. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1032-44.	0.0	13
59	Induction of transcription factor AP2 mRNA expression in rat primary afferent neurons during acute inflammation. <i>Neuroscience Letters</i> , 1995, 196, 181-184.	2.1	12
60	Neurogenic Mechanisms in Arthritis. <i>NeuroImmune Biology</i> , 2009, 8, 211-241.	0.2	12
61	Periaqueductal grey cyclooxygenase-dependent facilitation of C-nociceptive drive and encoding in dorsal horn neurons in the rat. <i>Journal of Physiology</i> , 2014, 592, 5093-5107.	2.9	11
62	Repeated exposure of naïve and peripheral nerve-injured mice to a snake as an experimental model of post-traumatic stress disorder and its co-morbidity with neuropathic pain. <i>Brain Research</i> , 2020, 1744, 146907.	2.2	11
63	The partial saphenous nerve injury model of pain impairs reward-related learning but not reward sensitivity or motivation. <i>Pain</i> , 2021, 162, 956-966.	4.2	10
64	Top-down control of pain. <i>Journal of Physiology</i> , 2017, 595, 4139-4140.	2.9	9
65	Hypoxia-induced carbonic anhydrase mediated dorsal horn neuron activation and induction of neuropathic pain. <i>Pain</i> , 2022, 163, 2264-2279.	4.2	8
66	Endogenous Glucocorticoids and the Induction and Spread of Monoarthritis in the Rat. <i>Journal of Neuroendocrinology</i> , 1994, 6, 649-654.	2.6	7
67	Peripheral cannabinoid CB1 receptors inhibit evoked responses of nociceptive neurones in vivo. <i>European Journal of Pharmacology</i> , 2008, 586, 160-163.	3.5	7
68	Lamina-specific population encoding of cutaneous signals in the spinal dorsal horn using multi-electrode arrays. <i>Journal of Physiology</i> , 2019, 597, 377-397.	2.9	7
69	Understanding pulpitis. <i>Journal of Physiology</i> , 2006, 573, 2-3.	2.9	6
70	The physiological functions of central nervous system pericytes and a potential role in pain. <i>F1000Research</i> , 2018, 7, 341.	1.6	5
71	Arthritis Model, Adjuvant-Induced Arthritis. , 2007, , 111-115.		5
72	A novel method for delivering ramped cooling reveals rat behaviours at innocuous and noxious temperatures: A comparative study of human psychophysics and rat behaviour. <i>Journal of Neuroscience Methods</i> , 2015, 249, 29-40.	2.5	4

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73	Identification of G-Protein-Coupled Receptor mRNA Expression by Northern Blotting and <I>In Situ</I> Hybridization. , 2004, 259, 099-122.		2
74	P2â€163: NEUROPROTECTIVE EFFECTS OF VASCULAR ENDOTHELIAL GROWTH FACTOR IN A MODEL OF Î²â€AMYLOID INDUCED NEUROTOXICITY. Alzheimer's and Dementia, 2018, 14, P731.	0.8	0
75	CLK inhibition alters tau splicing and has a neuroprotective effect in vitro. Alzheimer's and Dementia, 2020, 16, e042805.	0.8	0
76	The Societyâ€™s In Vivo Taskforce. , 2021, , .		0
77	Will Brexit have an impact on our animal legislation?. , 2018, , 19-19.		0
78	When Differential Descending Control of Speed Matters: Descending Modulation of A- versus C-Fiber Evoked Spinal Nociception. Frontiers in Pain Research, 0, 3, .	2.0	0