

Lucy Donaldson

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Hypoxia-induced carbonic anhydrase mediated dorsal horn neuron activation and induction of neuropathic pain. <i>Pain</i> , 2022, 163, 2264-2279. | 4.2 | 8 |
| 2 | 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 |
| 3 | The Society's In Vivo Taskforce. , 2021, , . | | 0 |
| 4 | CLK inhibition alters tau splicing and has a neuroprotective effect in vitro. <i>Alzheimer's and Dementia</i> , 2020, 16, e042805. | 0.8 | 0 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | The physiological functions of central nervous system pericytes and a potential role in pain. <i>Frontiers in Molecular and Cellular Neuroscience</i> , 2018, 7, 341. | 1.6 | 5 |
| 9 | P2163: NEUROPROTECTIVE EFFECTS OF VASCULAR ENDOTHELIAL GROWTH FACTOR IN A MODEL OF Î²-AMYLOID INDUCED NEUROTOXICITY. <i>Alzheimer's and Dementia</i> , 2018, 14, P731. | 0.8 | 0 |
| 10 | 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 |
| 11 | 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 |
| 12 | Physiological Role of Vascular Endothelial Growth Factors as Homeostatic Regulators. , 2018, 8, 955-979. | | 24 |
| 13 | Will Brexit have an impact on our animal legislation?. , 2018, , 19-19. | | 0 |
| 14 | 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 |
| 15 | 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 |
| 16 | Pharmacology of Modulators of Alternative Splicing. <i>Pharmacological Reviews</i> , 2017, 69, 63-79. | 16.0 | 72 |
| 17 | Top-down control of pain. <i>Journal of Physiology</i> , 2017, 595, 4139-4140. | 2.9 | 9 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Periaqueductal Grey EP3 Receptors Facilitate Spinal Nociception in Arthritic Secondary Hypersensitivity. <i>Journal of Neuroscience</i> , 2016, 36, 9026-9040. | 3.6 | 17 |
| 20 | Alternative RNA splicing: contribution to pain and potential therapeutic strategy. <i>Drug Discovery Today</i> , 2016, 21, 1787-1798. | 6.4 | 35 |
| 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 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Single bright light exposure decreases sweet taste threshold in healthy volunteers. <i>Journal of Psychopharmacology</i> , 2013, 27, 921-929. | 4.0 | 17 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Ovarian VEGF165b expression regulates follicular development, corpus luteum function and fertility. <i>Reproduction</i> , 2012, 143, 501-511. | 2.6 | 31 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Transient receptor potential channel A1 and noxious cold responses in rat cutaneous nociceptors. <i>Neuroscience</i> , 2010, 165, 1412-1419. | 2.3 | 33 |
| 44 | Taste and weight: is there a link?. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 800S-803S. | 4.7 | 177 |
| 45 | Neurogenic Mechanisms in Arthritis. <i>NeuroImmune Biology</i> , 2009, 8, 211-241. | 0.2 | 12 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Characterization of a novel neuropathic pain model in mice. <i>NeuroReport</i> , 2008, 19, 825-829. | 1.2 | 17 |
| 50 | 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 |
| 51 | 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 |
| 52 | Arthritis Model, Adjuvant-Induced Arthritis. , 2007, , 111-115. | | 5 |
| 53 | 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 |
| 54 | Understanding pulpitis. <i>Journal of Physiology</i> , 2006, 573, 2-3. | 2.9 | 6 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | Human Taste Thresholds Are Modulated by Serotonin and Noradrenaline. <i>Journal of Neuroscience</i> , 2006, 26, 12664-12671. | 3.6 | 171 |
| 57 | Inflammation alters somatostatin mRNA expression in sensory neurons in the rat. <i>European Journal of Neuroscience</i> , 2005, 21, 135-141. | 2.6 | 14 |
| 58 | Identification of G-Protein-Coupled Receptor mRNA Expression by Northern Blotting and <I>In Situ</I> Hybridization. , 2004, 259, 099-122. | | 2 |
| 59 | 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 |
| 60 | 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 |
| 61 | Inflammation alters cation chloride cotransporter expression in sensory neurons. <i>Neurobiology of Disease</i> , 2004, 17, 62-69. | 4.4 | 66 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | Unilateral arthritis: contralateral effects. <i>Trends in Neurosciences</i> , 1999, 22, 495. | 8.6 | 37 |
| 67 | Specific Testicular Cellular Localization and Hormonal Regulation of the PKÎ± and PKÎ² Isoforms of the Inhibitor Protein of the cAMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 1997, 272, 20021-20029. | 3.4 | 15 |
| 68 | Inducible receptors. <i>Trends in Pharmacological Sciences</i> , 1997, 18, 171-181. | 8.7 | 21 |
| 69 | Molecular Characterization of a Putative K-Cl Cotransporter in Rat Brain. <i>Journal of Biological Chemistry</i> , 1996, 271, 16245-16252. | 3.4 | 479 |
| 70 | 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 |
| 71 | 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 |
| 72 | Transcription factor AP-2 gene expression in adult rat hippocampal regions: effects of environmental manipualtions. <i>Neuroscience Letters</i> , 1995, 189, 113-116. | 2.1 | 19 |

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|----|---|-----|-----------|
| 73 | Endogenous Glucocorticoids and the Induction and Spread of Monoarthritis in the Rat. <i>Journal of Neuroendocrinology</i> , 1994, 6, 649-654. | 2.6 | 7 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | When Differential Descending Control of Speed Matters: Descending Modulation of A- versus C-Fiber Evoked Spinal Nociception. <i>Frontiers in Pain Research</i> , 0, 3, . | 2.0 | 0 |