Gregory Dussor

List of Publications by Year
in descending order

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89 papers	5,583 citations	81900 39 h-index	91884 69 g-index
102 all docs	102 docs citations	102 times ranked	5181 citing authors

#	Article	IF	Citations
1	Sex Differences in Nociceptor Translatomes Contribute to Divergent Prostaglandin Signaling in Male and Female Mice. Biological Psychiatry, 2022, 91, 129-140.	1.3	40
2	Proteinaseâ€activated receptorâ€2 antagonist C391 inhibits Alternariaâ€induced airway epithelial signalling and asthma indicators in acute exposure mouse models. British Journal of Pharmacology, 2022, 179, 2208-2222.	5.4	4
3	A Female-Specific Role for Calcitonin Gene-Related Peptide (CGRP) in Rodent Pain Models. Journal of Neuroscience, 2022, 42, 1930-1944.	3.6	40
4	Sex-dependent pain trajectories induced by prolactin require an inflammatory response for pain resolution. Brain, Behavior, and Immunity, 2022, 101, 246-263.	4.1	9
5	Spatial transcriptomics of dorsal root ganglia identifies molecular signatures of human nociceptors. Science Translational Medicine, 2022, 14, eabj8186.	12.4	164
6	A ligand-receptor interactome platform for discovery of pain mechanisms and therapeutic targets. Science Signaling, 2021, 14, .	3.6	32
7	Meningeal <scp>CGRP</scp>â€Prolactin Interaction Evokes Femaleâ€Specific Migraine Behavior. Annals of Neurology, 2021, 89, 1129-1144.	5.3	46
8	Transient receptor potential canonical 5 mediates inflammatory mechanical and spontaneous pain in mice. Science Translational Medicine, 2021, 13, .	12.4	41
9	Diversity of Receptor Expression in Central and Peripheral Mouse Neurons Estimated from Single Cell RNA Sequencing. Neuroscience, 2021, 463, 86-96.	2.3	7
10	Voluntary Wheel Running Partially Attenuates Early Life Stress-Induced Neuroimmune Measures in the Dura and Evoked Migraine-Like Behaviors in Female Mice. Frontiers in Physiology, 2021, 12, 665732.	2.8	8
11	A Role for Protease Activated Receptor Type 3 (PAR3) in Nociception Demonstrated Through Development of a Novel Peptide Agonist. Journal of Pain, 2021, 22, 692-706.	1.4	7
12	Interleukin-6 induces spatially dependent whole-body hypersensitivity in rats: implications for extracephalic hypersensitivity in migraine. Journal of Headache and Pain, 2021, 22, 70.	6.0	14
13	Dural Stimulation and Periorbital von Frey Testing in Mice As a Preclinical Model of Headache. Journal of Visualized Experiments, 2021, , .	0.3	6
14	De novo protein synthesis is necessary for priming in preclinical models of migraine. Cephalalgia, 2021, 41, 237-246.	3.9	6
15	Reversal of peripheral nerve injury-induced neuropathic pain and cognitive dysfunction via genetic and tomivosertib targeting of MNK. Neuropsychopharmacology, 2020, 45, 524-533.	5.4	40
16	Neuroendocrine Mechanisms Governing Sex Differences in Hyperalgesic Priming Involve Prolactin Receptor Sensory Neuron Signaling. Journal of Neuroscience, 2020, 40, 7080-7090.	3.6	34
17	Repetitive stress in mice causes migraine-like behaviors and calcitonin gene-related peptide-dependent hyperalgesic priming to a migraine trigger. Pain, 2020, 161, 2539-2550.	4.2	33
18	Transcriptomic sex differences in sensory neuronal populations of mice. Scientific Reports, 2020, 10, 15278.	3.3	56

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19	IL-6 induced upregulation of T-type Ca²⁺ currents and sensitization of DRG nociceptors is attenuated by MNK inhibition. Journal of Neurophysiology, 2020, 124, 274-283.	1.8	24
20	A pharmacological interactome between COVID-19 patient samples and human sensory neurons reveals potential drivers of neurogenic pulmonary dysfunction. Brain, Behavior, and Immunity, 2020, 89, 559-568.	4.1	35
21	Type I Interferons Act Directly on Nociceptors to Produce Pain Sensitization: Implications for Viral Infection-Induced Pain. Journal of Neuroscience, 2020, 40, 3517-3532.	3.6	62
22	Pharmacological target-focused transcriptomic analysis of native vs cultured human and mouse dorsal root ganglia. Pain, 2020, 161, 1497-1517.	4.2	67
23	The cellular basis of protease activated receptor type 2 (PAR2) evoked mechanical and affective pain. JCI Insight, 2020, 5, .	5.0	18
24	A Pharmacological Interactome between COVID-19 Patient Samples and Human Sensory Neurons Reveals Potential Drivers of Neurogenic Pulmonary Dysfunction. SSRN Electronic Journal, 2020, , 3581446.	0.4	4
25	Protease activated receptor 2 (PAR2) activation causes migraine-like pain behaviors in mice. Cephalalgia, 2019, 39, 111-122.	3.9	42
26	Non-invasive dural stimulation in mice: A novel preclinical model of migraine. Cephalalgia, 2019, 39, 123-134.	3.9	61
27	Indirect AMP-Activated Protein Kinase Activators Prevent Incision-Induced Hyperalgesia and Block Hyperalgesic Priming, Whereas Positive Allosteric Modulators Block Only Priming in Mice. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 138-150.	2.5	21
28	Differences between Dorsal Root and Trigeminal Ganglion Nociceptors in Mice Revealed by Translational Profiling. Journal of Neuroscience, 2019, 39, 6829-6847.	3.6	66
29	New discoveries in migraine mechanisms and therapeutic targets. Current Opinion in Physiology, 2019, 11, 116-124.	1.8	11
30	Prolactin Regulates Pain Responses via a Female-Selective Nociceptor-Specific Mechanism. IScience, 2019, 20, 449-465.	4.1	56
31	Alleviation of paclitaxel-induced mechanical hypersensitivity and hyperalgesic priming with AMPK activators in male and female mice. Neurobiology of Pain (Cambridge, Mass), 2019, 6, 100037.	2.5	30
32	MNK-eIF4E signalling is a highly conserved mechanism for sensory neuron axonal plasticity: evidence from Aplysia californica. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190289.	4.0	11
33	AMPK activation regulates P-body dynamics in mouse sensory neurons in vitro and in vivo. Neurobiology of Pain (Cambridge, Mass), 2019, 5, 100026.	2.5	8
34	Prolactin receptor expression in mouse dorsal root ganglia neuronal subtypes is sexâ€dependent. Journal of Neuroendocrinology, 2019, 31, e12759.	2.6	34
35	Sex differences in the expression of calcitonin gene-related peptide receptor components in the spinal trigeminal nucleus. Neurobiology of Pain (Cambridge, Mass), 2019, 6, 100031.	2.5	13
36	Transcriptome Analysis of the Human Tibial Nerve Identifies Sexually Dimorphic Expression of Genes Involved in Pain, Inflammation, and Neuro-Immunity. Frontiers in Molecular Neuroscience, 2019, 12, 37.	2.9	39

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37	Electrophysiological and transcriptomic correlates of neuropathic pain in human dorsal root ganglion neurons. Brain, 2019, 142, 1215-1226.	7.6	198
38	Dural Calcitonin Gene-Related Peptide Produces Female-Specific Responses in Rodent Migraine Models. Journal of Neuroscience, 2019, 39, 4323-4331.	3.6	116
39	TRP Channels and Migraine: Recent Developments and New Therapeutic Opportunities. Pharmaceuticals, 2019, 12, 54.	3.8	68
40	Temporal and sex differences in the role of BDNF/TrkB signaling in hyperalgesic priming in mice and rats. Neurobiology of Pain (Cambridge, Mass), 2019, 5, 100024.	2.5	25
41	Emerging neurotechnology for antinoceptive mechanisms and therapeutics discovery. Biosensors and Bioelectronics, 2019, 126, 679-689.	10.1	19
42	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. Journal of Neuroscience, 2019, 39, 393-411.	3.6	95
43	The antidiabetic drug metformin prevents and reverses neuropathic pain and spinal cord microglial activation in male but not female mice. Pharmacological Research, 2019, 139, 1-16.	7.1	108
44	Targeted Acid-Sensing Ion Channel Therapies for Migraine. Neurotherapeutics, 2018, 15, 402-414.	4.4	27
45	Comparative transcriptome profiling of the human and mouse dorsal root ganglia: an RNA-seqâ€“based resource for pain and sensory neuroscience research. Pain, 2018, 159, 1325-1345.	4.2	306
46	A Critical Role for Dopamine D5 Receptors in Pain Chronicity in Male Mice. Journal of Neuroscience, 2018, 38, 379-397.	3.6	62
47	Pituitary Hormones and Orofacial Pain. Frontiers in Integrative Neuroscience, 2018, 12, 42.	2.1	12
48	Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. Journal of Neuroscience, 2018, 38, 7032-7057.	3.6	92
49	Spinal Inhibition of P2XR or p38 Signaling Disrupts Hyperalgesic Priming in Male, but not Female, Mice. Neuroscience, 2018, 385, 133-142.	2.3	38
50	Adult mouse sensory neurons on microelectrode arrays exhibit increased spontaneous and stimulus-evoked activity in the presence of interleukin-6. Journal of Neurophysiology, 2018, 120, 1374-1385.	1.8	32
51	eIF4E Phosphorylation Influences Bdnf mRNA Translation in Mouse Dorsal Root Ganglion Neurons. Frontiers in Cellular Neuroscience, 2018, 12, 29.	3.7	33
52	Pharmacological activation of AMPK inhibits incision-evoked mechanical hypersensitivity and the development of hyperalgesic priming in mice. Neuroscience, 2017, 359, 119-129.	2.3	40
53	The MNKâ€“eIF4E Signaling Axis Contributes to Injury-Induced Nociceptive Plasticity and the Development of Chronic Pain. Journal of Neuroscience, 2017, 37, 7481-7499.	3.6	106
54	The AMPK Activator A769662 Blocks Voltage-Gated Sodium Channels: Discovery of a Novel Pharmacophore with Potential Utility for Analgesic Development. PLoS ONE, 2017, 12, e0169882.	2.5	16

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55	17-Î²-Estradiol induces spreading depression and pain behavior in alert female rats. Oncotarget, 2017, 8, 114109-114122.	1.8	16
56	Stretchable multichannel antennas in soft wireless optoelectronic implants for optogenetics. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8169-E8177.	7.1	111
57	TRPM8 and Migraine. Headache, 2016, 56, 1406-1417.	3.9	69
58	Targeting AMPK for the Alleviation of Pathological Pain. Exs, 2016, 107, 257-285.	1.4	29
59	Dural stimulation in rats causes brain-derived neurotrophic factorâ€“dependent priming to subthreshold stimuli including a migraine trigger. Pain, 2016, 157, 2722-2730.	4.2	45
60	Neurovascular contributions to migraine: Moving beyond vasodilation. Neuroscience, 2016, 338, 130-144.	2.3	119
61	Meningeal transient receptor potential channel M8 activation causes cutaneous facial and hindpaw allodynia in a preclinical rodent model of headache. Cephalalgia, 2016, 36, 185-193.	3.9	49
62	Adenosine Monophosphate-activated Protein Kinase (AMPK) Activators For the Prevention, Treatment and Potential Reversal of Pathological Pain. Current Drug Targets, 2016, 17, 908-920.	2.1	49
63	Meningeal norepinephrine produces headache behaviors in rats via actions both on dural afferents and fibroblasts. Cephalalgia, 2015, 35, 1054-1064.	3.9	19
64	ASICs as therapeutic targets for migraine. Neuropharmacology, 2015, 94, 64-71.	4.1	55
65	Meningeal Afferent Signaling and the Pathophysiology of Migraine. Progress in Molecular Biology and Translational Science, 2015, 131, 537-564.	1.7	35
66	Protease-activated receptor 2 activation is sufficient to induce the transition to a chronic pain state. Pain, 2015, 156, 859-867.	4.2	57
67	Spinal Dopaminergic Projections Control the Transition to Pathological Pain Plasticity via a D₁/D₅-Mediated Mechanism. Journal of Neuroscience, 2015, 35, 6307-6317.	3.6	63
68	Serotonin, 5HT1 agonists, and migraine. Current Opinion in Supportive and Palliative Care, 2014, 8, 137-142.	1.3	25
69	Dural fibroblasts play a potential role in headache pathophysiology. Pain, 2014, 155, 1238-1244.	4.2	21
70	Ion Channels and Migraine. Headache, 2014, 54, 619-639.	3.9	36
71	Evolution: The Advantage of â€˜Maladaptiveâ€™ Pain Plasticity. Current Biology, 2014, 24, R384-R386.	3.9	22
72	Targeting TRP Channels For Novel Migraine Therapeutics. ACS Chemical Neuroscience, 2014, 5, 1085-1096.	3.5	77

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73	Local Translation and Retrograde Axonal Transport of CREB Regulates IL-6-Induced Nociceptive Plasticity. Molecular Pain, 2014, 10, 1744-8069-10-45.	2.1	58
74	<scp>pH</scp>â€Evoked Dural Afferent Signaling Is Mediated by <scp>ASIC3</scp> and Is Sensitized by Mast Cell Mediators. Headache, 2013, 53, 1250-1261.	3.9	62
75	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. Pain, 2013, 154, 1080-1091.	4.2	79
76	Parthenolide inhibits nociception and neurogenic vasodilatation in the trigeminovascular system by targeting the TRPA1 channel. Pain, 2013, 154, 2750-2758.	4.2	93
77	The â€˜headache treeâ€™ via umbellulone and TRPA1 activates the trigeminovascular system. Brain, 2012, 135, 376-390.	7.6	163
78	Receptor Specificity Defines Algogenic Properties of Propofol and Fospropofol. Anesthesia and Analgesia, 2012, 115, 837-840.	2.2	7
79	Activation of TRPA1 on dural afferents: A potential mechanism of headache pain. Pain, 2012, 153, 1949-1958.	4.2	108
80	Sensitization of Dural Afferents Underlies Migraine-Related Behavior following Meningeal Application of Interleukin-6 (IL-6). Molecular Pain, 2012, 8, 1744-8069-8-6.	2.1	112
81	Resveratrol Engages AMPK to Attenuate ERK and mTOR Signaling in Sensory Neurons and Inhibits Incision-Induced Acute and Chronic Pain. Molecular Pain, 2012, 8, 1744-8069-8-5.	2.1	146
82	Dural afferents express acid-sensing ion channels: A role for decreased meningeal pH in migraine headache. Pain, 2011, 152, 106-113.	4.2	95
83	Targeting Adenosine Monophosphate-Activated Protein Kinase (AMPK) in Preclinical Models Reveals a Potential Mechanism for the Treatment of Neuropathic Pain. Molecular Pain, 2011, 7, 1744-8069-7-70.	2.1	189
84	Activation of TRPV4 on dural afferents produces headache-related behavior in a preclinical rat model. Cephalalgia, 2011, 31, 1595-1600.	3.9	62
85	Triptanâ€induced latent sensitization: A possible basis for medication overuse headache. Annals of Neurology, 2010, 67, 325-337.	5.3	181
86	Changes in undamaged fibers following peripheral nerve injury: A role for TNF-Î±. Pain, 2010, 151, 237-238.	4.2	1
87	Triptan-induced enhancement of neuronal nitric oxide synthase in trigeminal ganglion dural afferents underlies increased responsiveness to potential migraine triggers. Brain, 2010, 133, 2475-2488.	7.6	103
88	A phenotypically restricted set of primary afferent nerve fibers innervate the bone versus skin: Therapeutic opportunity for treating skeletal pain. Bone, 2010, 46, 306-313.	2.9	136
89	Unmasking the tonic-aversive state in neuropathic pain. Nature Neuroscience, 2009, 12, 1364-1366.	14.8	490