Theodore John Price

List of Publications by Citations

185	6,871	45	76
papers	citations	h-index	g-index
221	8,835	6.5	6.24
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
185	Cation-chloride cotransporters in neuronal development, plasticity and disease. *Nature Reviews Neuroscience*, **2014**, 15, 637-54	13.5	424
184	Critical evaluation of the colocalization between calcitonin gene-related peptide, substance P, transient receptor potential vanilloid subfamily type 1 immunoreactivities, and isolectin B4 binding in primary afferent neurons of the rat and mouse. *Journal of Pain*, **2007**, 8, 263-72	5.2	210
183	Chloride regulation in the pain pathway. *Brain Research Reviews*, **2009**, 60, 149-70		192
182	Decreased nociceptive sensitization in mice lacking the fragile X mental retardation protein: role of mGluR1/5 and mTOR. *Journal of Neuroscience*, **2007**, 27, 13958-67	6.6	161
181	Role of cation-chloride-cotransporters (CCC) in pain and hyperalgesia. *Current Topics in Medicinal Chemistry*, **2005**, 5, 547-55	3	157
180	Comparative transcriptome profiling of the human and mouse dorsal root ganglia: an RNA-seq-based resource for pain and sensory neuroscience research. *Pain*, **2018**, 159, 1325-1345	8	155
179	Targeting adenosine monophosphate-activated protein kinase (AMPK) in preclinical models reveals a potential mechanism for the treatment of neuropathic pain. *Molecular Pain*, **2011**, 7, 70	3.4	155
178	IL-6- and NGF-induced rapid control of protein synthesis and nociceptive plasticity via convergent signaling to the eIF4F complex. *Journal of Neuroscience*, **2010**, 30, 15113-23	6.6	150
177	Engagement of descending inhibition from the rostral ventromedial medulla protects against chronic neuropathic pain. *Pain*, **2011**, 152, 2701-2709	8	149
176	Pharmacogenetic inhibition of eIF4E-dependent Mmp9 mRNA translation reverses fragile X syndrome-like phenotypes. *Cell Reports*, **2014**, 9, 1742-1755	10.6	131
175	The cannabinoid WIN 55,212-2 inhibits transient receptor potential vanilloid 1 (TRPV1) and evokes peripheral antihyperalgesia via calcineurin. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11393-8	11.5	131
174	Resveratrol engages AMPK to attenuate ERK and mTOR signaling in sensory neurons and inhibits incision-induced acute and chronic pain. *Molecular Pain*, **2012**, 8, 5	3.4	127
173	Modulation of trigeminal sensory neuron activity by the dual cannabinoid-vanilloid agonists anandamide, N-arachidonoyl-dopamine and arachidonyl-2-chloroethylamide. *British Journal of Pharmacology*, **2004**, 141, 1118-30	8.6	121
172	Cannabinoid WIN 55,212-2 regulates TRPV1 phosphorylation in sensory neurons. *Journal of Biological Chemistry*, **2006**, 281, 32879-90	5.4	116
171	The neuronal distribution of cannabinoid receptor type 1 in the trigeminal ganglion of the rat. *Neuroscience*, **2003**, 120, 155-62	3.9	112
170	Electrophysiological and transcriptomic correlates of neuropathic pain in human dorsal root ganglion neurons. *Brain*, **2019**, 142, 1215-1226	11.2	110
169	The anti-diabetic drug metformin protects against chemotherapy-induced peripheral neuropathy in a mouse model. *PLoS ONE*, **2014**, 9, e100701	3.7	110

168	Treatment of trigeminal ganglion neurons in vitro with NGF, GDNF or BDNF: effects on neuronal survival, neurochemical properties and TRPV1-mediated neuropeptide secretion. *BMC Neuroscience*, **2005**, 6, 4	3.2	109
167	3D shape and 2D surface textures of human faces: the role of "averages" in attractiveness and age. *Image and Vision Computing*, **1999**, 18, 9-19	3.7	104
166	A pain research agenda for the 21st century. *Journal of Pain*, **2014**, 15, 1203-14	5.2	102
165	Spinal protein kinase M ζ underlies the maintenance mechanism of persistent nociceptive sensitization. *Journal of Neuroscience*, **2011**, 31, 6646-53	6.6	102
164	Sensitization of dural afferents underlies migraine-related behavior following meningeal application of interleukin-6 (IL-6). *Molecular Pain*, **2012**, 8, 6	3.4	95
163	Acetazolamide and midazolam act synergistically to inhibit neuropathic pain. *Pain*, **2010**, 148, 302-308	8	95
162	Commonalities between pain and memory mechanisms and their meaning for understanding chronic pain. *Progress in Molecular Biology and Translational Science*, **2015**, 131, 409-34	4	88
161	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	11.5	84
160	Inhibition of Poly(A)-binding protein with a synthetic RNA mimic reduces pain sensitization in mice. *Nature Communications*, **2018**, 9, 10	17.4	78
159	The MNK-eIF4E Signaling Axis Contributes to Injury-Induced Nociceptive Plasticity and the Development of Chronic Pain. *Journal of Neuroscience*, **2017**, 37, 7481-7499	6.6	70
158	Transition to chronic pain: opportunities for novel therapeutics. *Nature Reviews Neuroscience*, **2018**, 19, 383-384	13.5	69
157	BDNF regulates atypical PKC at spinal synapses to initiate and maintain a centralized chronic pain state. *Molecular Pain*, **2013**, 9, 12	3.4	68
156	Protein expression and mRNA cellular distribution of the NKCC1 cotransporter in the dorsal root and trigeminal ganglia of the rat. *Brain Research*, **2006**, 1112, 146-58	3.7	66
155	Dural Calcitonin Gene-Related Peptide Produces Female-Specific Responses in Rodent Migraine Models. *Journal of Neuroscience*, **2019**, 39, 4323-4331	6.6	63
154	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. *Pain*, **2013**, 154, 1080-91	8	63
153	Cannabinoid CB1 receptors are expressed in the mouse urinary bladder and their activation modulates afferent bladder activity. *Neuroscience*, **2009**, 159, 1154-63	3.9	62
152	The RNA binding and transport proteins staufen and fragile X mental retardation protein are expressed by rat primary afferent neurons and localize to peripheral and central axons. *Neuroscience*, **2006**, 141, 2107-16	3.9	61
151	AMPK: An emerging target for modification of injury-induced pain plasticity. *Neuroscience Letters*, **2013**, 557 Pt A, 9-18	3.3	60

150	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	10.2	60
149	Ensuring transparency and minimization of methodologic bias in preclinical pain research: PPRECISE considerations. *Pain*, **2016**, 157, 901-909	8	59
148	Translational Control Mechanisms in Persistent Pain. *Trends in Neurosciences*, **2018**, 41, 100-114	13.3	58
147	Nociceptor Translational Profiling Reveals the Ragulator-Rag GTPase Complex as a Critical Generator of Neuropathic Pain. *Journal of Neuroscience*, **2019**, 39, 393-411	6.6	57
146	The pharmacology of nociceptor priming. *Handbook of Experimental Pharmacology*, **2015**, 227, 15-37	3.2	56
145	Translating nociceptor sensitivity: the role of axonal protein synthesis in nociceptor physiology. *European Journal of Neuroscience*, **2009**, 29, 2253-63	3.5	55
144	Sigma 2 Receptor/Tmem97 Agonists Produce Long Lasting Antineuropathic Pain Effects in Mice. *ACS Chemical Neuroscience*, **2017**, 8, 1801-1811	5.7	53
143	Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. *Journal of Neuroscience*, **2018**, 38, 7032-7057	6.6	52
142	Spinal NKCC1 blockade inhibits TRPV1-dependent referred allodynia. *Molecular Pain*, **2007**, 3, 17	3.4	50
141	Mycobacterium tuberculosis Sulfolipid-1 Activates Nociceptive Neurons and Induces Cough. *Cell*, **2020**, 181, 293-305.e11	56.2	47
140	Spinal dopaminergic projections control the transition to pathological pain plasticity via a D1/D5-mediated mechanism. *Journal of Neuroscience*, **2015**, 35, 6307-17	6.6	45
139	A Critical Role for Dopamine D5 Receptors in Pain Chronicity in Male Mice. *Journal of Neuroscience*, **2018**, 38, 379-397	6.6	45
138	Contribution of PKMζ-dependent and independent amplification to components of experimental neuropathic pain. *Pain*, **2012**, 153, 1263-1273	8	44
137	Potentiation of evoked calcitonin gene-related peptide release from oral mucosa: a potential basis for the pro-inflammatory effects of nicotine. *European Journal of Neuroscience*, **2003**, 18, 2515-26	3.5	42
136	ACE2 and SCARF expression in human dorsal root ganglion nociceptors: implications for SARS-CoV-2 virus neurological effects. *Pain*, **2020**, 161, 2494-2501	8	42
135	Local translation and retrograde axonal transport of CREB regulates IL-6-induced nociceptive plasticity. *Molecular Pain*, **2014**, 10, 45	3.4	40
134	Pharmacological interactions between calcium/calmodulin-dependent kinase II alpha and TRPV1 receptors in rat trigeminal sensory neurons. *Neuroscience Letters*, **2005**, 389, 94-8	3.3	39
133	Non-invasive dural stimulation in mice: A novel preclinical model of migraine. *Cephalalgia*, **2019**, 39, 123-134	6.3	38

132	Proteomic and functional annotation analysis of injured peripheral nerves reveals ApoE as a protein upregulated by injury that is modulated by metformin treatment. *Molecular Pain*, **2013**, 9, 14	3.4	37
131	The use of metformin is associated with decreased lumbar radiculopathy pain. *Journal of Pain Research*, **2013**, 6, 755-63	2.9	37
130	Adenosine Monophosphate-activated Protein Kinase (AMPK) Activators For the Prevention, Treatment and Potential Reversal of Pathological Pain. *Current Drug Targets*, **2016**, 17, 908-20	3	36
129	Protease-activated receptor 2 activation is sufficient to induce the transition to a chronic pain state. *Pain*, **2015**, 156, 859-867	8	35
128	Differences between Dorsal Root and Trigeminal Ganglion Nociceptors in Mice Revealed by Translational Profiling. *Journal of Neuroscience*, **2019**, 39, 6829-6847	6.6	35
127	Extracellular phosphorylation of a receptor tyrosine kinase controls synaptic localization of NMDA receptors and regulates pathological pain. *PLoS Biology*, **2017**, 15, e2002457	9.7	34
126	Neuropathic Pain Creates an Enduring Prefrontal Cortex Dysfunction Corrected by the Type II Diabetic Drug Metformin But Not by Gabapentin. *Journal of Neuroscience*, **2018**, 38, 7337-7350	6.6	34
125	Self-injurious behaviour in intellectual disability syndromes: evidence for aberrant pain signalling as a contributing factor. *Journal of Intellectual Disability Research*, **2012**, 56, 441-52	3.2	33
124	Quantitative differences in neuronal subpopulations between mouse and human dorsal root ganglia demonstrated with RNAscope in situ hybridization. *Pain*, **2020**, 161, 2410-2424	8	33
123	Dural stimulation in rats causes brain-derived neurotrophic factor-dependent priming to subthreshold stimuli including a migraine trigger. *Pain*, **2016**, 157, 2722-2730	8	32
122	Reversal of pancreatitis-induced pain by an orally available, small molecule interleukin-6 receptor antagonist. *Pain*, **2010**, 151, 257-265	8	32
121	Role of RVM neurons in capsaicin-evoked visceral nociception and referred hyperalgesia. *European Journal of Pain*, **2010**, 14, 120.e1-9	3.7	32
120	Cannabinoid receptor-independent actions of the aminoalkylindole WIN 55,212-2 on trigeminal sensory neurons. *British Journal of Pharmacology*, **2004**, 142, 257-66	8.6	32
119	From Mechanism to Cure: Renewing the Goal to Eliminate the Disease of Pain. *Pain Medicine*, **2018**, 19, 1525-1549	2.8	31
118	Pharmacological target-focused transcriptomic analysis of native vs cultured human and mouse dorsal root ganglia. *Pain*, **2020**, 161, 1497-1517	8	30
117	Group II mGluRs suppress hyperexcitability in mouse and human nociceptors. *Pain*, **2016**, 157, 2081-2088	8	30
116	Prolactin Regulates Pain Responses via a Female-Selective Nociceptor-Specific Mechanism. *IScience*, **2019**, 20, 449-465	6.1	30
115	ZIPping to pain relief: the role (or not) of PKMζ in chronic pain. *Molecular Pain*, **2013**, 9, 6	3.4	30

114	Neurobiology of SARS-CoV-2 interactions with the peripheral nervous system: implications for COVID-19 and pain. *Pain Reports*, **2021**, 6, e885	3.5	30
113	Oestrogen receptors interact with the α catalytic subunit of AMP-activated protein kinase. *Bioscience Reports*, **2015**, 35,	4.1	29
112	Inhibition of carbonic anhydrase augments GABAA receptor-mediated analgesia via a spinal mechanism of action. *Journal of Pain*, **2014**, 15, 395-406	5.2	28
111	A role for the anandamide membrane transporter in TRPV1-mediated neurosecretion from trigeminal sensory neurons. *Neuropharmacology*, **2005**, 49, 25-39	5.5	28
110	The novel PAR2 ligand C391 blocks multiple PAR2 signalling pathways in vitro and in vivo. *British Journal of Pharmacology*, **2015**, 172, 4535-4545	8.6	27
109	Pharmacological activation of AMPK inhibits incision-evoked mechanical hypersensitivity and the development of hyperalgesic priming in mice. *Neuroscience*, **2017**, 359, 119-129	3.9	27
108	Spinal Inhibition of P2XR or p38 Signaling Disrupts Hyperalgesic Priming in Male, but not Female, Mice. *Neuroscience*, **2018**, 385, 133-142	3.9	26
107	Protease activated receptor 2 (PAR2) activation causes migraine-like pain behaviors in mice. *Cephalalgia*, **2019**, 39, 111-122	6.1	25
106	Activation of the integrated stress response in nociceptors drives methylglyoxal-induced pain. *Pain*, **2019**, 160, 160-171	8	25
105	Reversal of peripheral nerve injury-induced neuropathic pain and cognitive dysfunction via genetic and tomivosertib targeting of MNK. *Neuropsychopharmacology*, **2020**, 45, 524-533	8.7	25
104	Competing molecular interactions of aPKC isoforms regulate neuronal polarity. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 14450-5	11.5	24
103	Potent agonists of the protease activated receptor 2 (PAR2). *Journal of Medicinal Chemistry*, **2011**, 54, 1308-13	8.3	24
102	Inhibitory regulation of the pain gate and how its failure causes pathological pain. *Pain*, **2015**, 156, 789-792		23
101	Ultrafast Near-Infrared Light-triggered Intracellular Uncaging to Probe Cell Signaling. *Advanced Functional Materials*, **2017**, 27, 1605778	15.6	22
100	Targeting AMPK for the Alleviation of Pathological Pain. *Exs*, **2016**, 107, 257-285		22
99	eIF4E Phosphorylation Influences mRNA Translation in Mouse Dorsal Root Ganglion Neurons. *Frontiers in Cellular Neuroscience*, **2018**, 12, 29	6.1	22
98	Development of highly potent protease-activated receptor 2 agonists via synthetic lipid tethering. *FASEB Journal*, **2013**, 27, 1498-510	0.9	22
97	Type I Interferons Act Directly on Nociceptors to Produce Pain Sensitization: Implications for Viral Infection-Induced Pain. *Journal of Neuroscience*, **2020**, 40, 3517-3532	6.6	21

96	eIF4E phosphorylation regulates ongoing pain, independently of inflammation, and hyperalgesic priming in the mouse CFA model. *Neurobiology of Pain (Cambridge, Mass.)*, **2018**, 4, 45-50	4	21
95	Piperidinyl thiazole isoxazolines: A new series of highly potent, slowly reversible FAAH inhibitors with analgesic properties. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 2965-2973	2.9	21
94	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	6.1	20
93	The protease-activated receptor-2-specific agonists 2-aminothiazol-4-yl-LIGRL-NH2 and 6-aminonicotinyl-LIGRL-NH2 stimulate multiple signaling pathways to induce physiological responses in vitro and in vivo. *Journal of Biological Chemistry*, **2011**, 286, 19076-88	5.4	20
92	Neuroligin 2 regulates spinal GABAergic plasticity in hyperalgesic priming, a model of the transition from acute to chronic pain. *Pain*, **2016**, 157, 1314-1324	8	20
91	eIF4E-Dependent Translational Control: A Central Mechanism for Regulation of Pain Plasticity. *Frontiers in Genetics*, **2018**, 9, 470	4.5	20
90	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	16.6	19
89	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	3.2	19
88	Bidirectional regulation of P body formation mediated by eIF4F complex formation in sensory neurons. *Neuroscience Letters*, **2014**, 563, 169-74	3.3	19
87	Modulation of spinal GABAergic analgesia by inhibition of chloride extrusion capacity in mice. *Journal of Pain*, **2012**, 13, 546-54	5.2	19
86	Human cells and networks of pain: Transforming pain target identification and therapeutic development. *Neuron*, **2021**, 109, 1426-1429	13.9	18
85	Evaluation of the neonatal streptozotocin model of diabetes in rats: Evidence for a model of neuropathic pain. *Pharmacological Reports*, **2018**, 70, 294-303	3.9	17
84	Evolution: the advantage of 'maladaptive' pain plasticity. *Current Biology*, **2014**, 24, R384-6	6.3	17
83	Rapamycin inhibition of mTORC1 reverses lithium-induced proliferation of renal collecting duct cells. *American Journal of Physiology - Renal Physiology*, **2013**, 305, F1201-8	4.3	16
82	Meningeal CGRP-Prolactin Interaction Evokes Female-Specific Migraine Behavior. *Annals of Neurology*, **2021**, 89, 1129-1144	9.4	16
81	A Genetic Locus on Chromosome 2q24 Predicting Peripheral Neuropathy Risk in Type 2 Diabetes: Results From the ACCORD and BARI 2D Studies. *Diabetes*, **2019**, 68, 1649-1662	0.9	15
80	Activating transcription factor 3 mRNA is upregulated in primary cultures of trigeminal ganglion neurons. *Molecular Brain Research*, **2003**, 118, 156-9		15
79	Prolactin receptor expression in mouse dorsal root ganglia neuronal subtypes is sex-dependent. *Journal of Neuroendocrinology*, **2019**, 31, e12759	3.8	14

78	Meningeal norepinephrine produces headache behaviors in rats via actions both on dural afferents and fibroblasts. *Cephalalgia*, **2015**, 35, 1054-64	6.1	14
77	Nasal administration of mitochondria reverses chemotherapy-induced cognitive deficits. *Theranostics*, **2021**, 11, 3109-3130	12.1	14
76	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	4	13
75	Lanthanide labeling of a potent protease activated receptor-2 agonist for time-resolved fluorescence analysis. *Bioconjugate Chemistry*, **2012**, 23, 2098-104	6.3	13
74	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	3.7	13
73	Sex-dependent role of microglia in disulfide high mobility group box 1 protein-mediated mechanical hypersensitivity. *Pain*, **2021**, 162, 446-458	8	13
72	Predominant role of spinal P2Y1 receptors in the development of neuropathic pain in rats. *Brain Research*, **2016**, 1636, 43-51	3.7	13
71	Therapeutic opportunities for pain medicines via targeting of specific translation signaling mechanisms. *Neurobiology of Pain (Cambridge, Mass.)*, **2018**, 4, 8-19	4	12
70	Sex Differences in Nociceptor Translatomes Contribute to Divergent Prostaglandin Signaling in Male and Female Mice. *Biological Psychiatry*, **2022**, 91, 129-140	7.9	12
69	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	8	12
68	Studying human nociceptors: from fundamentals to clinic. *Brain*, **2021**, 144, 1312-1335	11.2	12
67	Organ-specific, multimodal, wireless optoelectronics for high-throughput phenotyping of peripheral neural pathways. *Nature Communications*, **2021**, 12, 157	17.4	12
66	The potent, indirect adenosine monophosphate- activated protein kinase activator R419 attenuates mitogen-activated protein kinase signaling, inhibits nociceptor excitability, and reduces pain hypersensitivity in mice. *Pain Reports*, **2016**, 1,	3.5	11
65	Development and evaluation of small peptidomimetic ligands to protease-activated receptor-2 (PAR2) through the use of lipid tethering. *PLoS ONE*, **2014**, 9, e99140	3.7	11
64	Transcriptomic sex differences in sensory neuronal populations of mice. *Scientific Reports*, **2020**, 10, 15278	4.9	11
63	Sex-stratified genome-wide association study of multisite chronic pain in UK Biobank. *PLoS Genetics*, **2021**, 17, e1009428	6	11
62	Spatial transcriptomics of dorsal root ganglia identifies molecular signatures of human nociceptors.. *Science Translational Medicine*, **2022**, 14, eabj8186	17.5	11
61	Fragile X mental retardation protein (FMRP) and the spinal sensory system. *Results and Problems in Cell Differentiation*, **2012**, 54, 41-59	1.4	10

60	Neuroendocrine Mechanisms Governing Sex Differences in Hyperalgesic Priming Involve Prolactin Receptor Sensory Neuron Signaling. *Journal of Neuroscience*, **2020**, 40, 7080-7090	6.6	10
59	The CysLTR receptor mediates leukotriene C-driven acute and chronic itch. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	10
58	A ligand-receptor interactome platform for discovery of pain mechanisms and therapeutic targets. *Science Signaling*, **2021**, 14,	8.8	10
57	Sex- and cell-dependent contribution of peripheral high mobility group box 1 and TLR4 in arthritis-induced pain. *Pain*, **2021**, 162, 459-470	8	10
56	Spatial transcriptomics reveals unique molecular fingerprints of human nociceptors		10
55	Convergence of peptidergic and non-peptidergic protein markers in the human dorsal root ganglion and spinal dorsal horn. *Journal of Comparative Neurology*, **2021**, 529, 2771-2788	3.4	10
54	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	4	9
53	Molecular, circuit, and anatomical changes in the prefrontal cortex in chronic pain. *Pain*, **2020**, 161, 1726-1729		9
52	Sex-dependent pronociceptive role of spinal □GABA receptor and its epigenetic regulation in neuropathic rodents. *Journal of Neurochemistry*, **2021**, 156, 897-916	6	9
51	Recent advances toward understanding the mysteries of the acute to chronic pain transition. *Current Opinion in Physiology*, **2019**, 11, 42-50	2.6	8
50	eIF4E phosphorylation modulates pain and neuroinflammation in the aged. *GeroScience*, **2020**, 42, 1663-1674	8.9	8
49	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	4.7	8
48	Transient Photoinactivation of Cell Membrane Protein Activity without Genetic Modification by Molecular Hyperthermia. *ACS Nano*, **2019**, 13, 12487-12499	16.7	8
47	Dendritic spine plasticity as an underlying mechanism of neuropathic pain: commentary on Tan et al. *Experimental Neurology*, **2012**, 233, 740-4	5.7	8
46	Pharmacological Manipulation of Translation as a Therapeutic Target for Chronic Pain. *Pharmacological Reviews*, **2021**, 73, 59-88	22.5	8
45	Transient receptor potential canonical 5 mediates inflammatory mechanical and spontaneous pain in mice. *Science Translational Medicine*, **2021**, 13,	17.5	8
44	Contrasting effects of chronic, systemic treatment with mTOR inhibitors rapamycin and metformin on adult neural progenitors in mice. *Age*, **2014**, 36, 199-212		7
43	Receptor specificity defines algogenic properties of propofol and fospropofol. *Anesthesia and Analgesia*, **2012**, 115, 837-40	3.9	7

42	AMPK activation regulates P-body dynamics in mouse sensory neurons and. *Neurobiology of Pain (Cambridge, Mass)*, **2019**, 5, 100026-100026	4	6
41	A highly potent agonist to protease-activated receptor-2 reveals apical activation of the airway epithelium resulting in Ca2+-regulated ion conductance. *American Journal of Physiology - Cell Physiology*, **2014**, 307, C718-26	5.4	6
40	Emerging neurotechnology for antinoceptive mechanisms and therapeutics discovery. *Biosensors and Bioelectronics*, **2019**, 126, 679-689	11.8	6
39	Sex differences in the role of atypical PKC within the basolateral nucleus of the amygdala in a mouse hyperalgesic priming model. *Neurobiology of Pain (Cambridge, Mass)*, **2020**, 8, 100049	4	5
38	The cellular basis of protease-activated receptor 2-evoked mechanical and affective pain. *JCI Insight* , **2020**, 5,	9.9	5
37	MNK-eIF4E signalling is a highly conserved mechanism for sensory neuron axonal plasticity: evidence from. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20190289	5.8	4
36	Transforaminal blood patch for the treatment of chronic headache from intracranial hypotension: a case report and review. *Anesthesiology Research and Practice*, **2012**, 2012, 923904	1.1	4
35	A pharmacological interactome platform for discovery of pain mechanisms and targets		4
34	ACE2 expression in human dorsal root ganglion sensory neurons: implications for SARS-CoV-2 virus-induced neurological effects		4
33	Diversity of Receptor Expression in Central and Peripheral Mouse Neurons Estimated from Single Cell RNA Sequencing. *Neuroscience*, **2021**, 463, 86-96	3.9	4
32	IL-6 induced upregulation of T-type Ca currents and sensitization of DRG nociceptors is attenuated by MNK inhibition. *Journal of Neurophysiology*, **2020**, 124, 274-283	3.2	3
31	A Pharmacological Interactome between COVID-19 Patient Samples and Human Sensory Neurons Reveals Potential Drivers of Neurogenic Pulmonary Dysfunction. *SSRN Electronic Journal*, **2020**, 3581446	1	3
30	Transcriptomic analysis of native versus cultured human and mouse dorsal root ganglia focused on pharmacological targets		3
29	Anthrax toxins regulate pain signaling and can deliver molecular cargoes into ANTXR2 DRG sensory neurons.. *Nature Neuroscience*, **2021**,	25.5	3
28	A female-specific role for Calcitonin Gene-Related Peptide (CGRP) in rodent pain models.. *Journal of Neuroscience*, **2022**,	6.6	2
27	protein synthesis is necessary for priming in preclinical models of migraine. *Cephalalgia*, **2021**, 41, 237-246	4.1	2
26	Sex-Stratified Genome-Wide Association Study of Multisite Chronic Pain in UK Biobank		2
25	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	5.2	2

24	Interleukin-6 induces spatially dependent whole-body hypersensitivity in rats: implications for extracephalic hypersensitivity in migraine. *Journal of Headache and Pain*, **2021**, 22, 70	8.8	2
23	Intercellular Arc Signaling Regulates Vasodilation. *Journal of Neuroscience*, **2021**, 41, 7712-7726	6.6	2
22	A peptide encoded within a 5' untranslated region promotes pain sensitization in mice. *Pain*, **2021**, 162, 1864-1875	8	2
21	Transcriptomic analysis of human sensory neurons in painful diabetic neuropathy reveals inflammation and neuronal loss.. *Scientific Reports*, **2022**, 12, 4729	4.9	2
20	Evaluation of calcium-sensitive adenylyl cyclase AC1 and AC8 mRNA expression in the anterior cingulate cortex of mice with spared nerve injury neuropathy.. *Neurobiology of Pain (Cambridge, Mass.)*, **2022**, 11, 100081	4	1
19	RNA sequencing on muscle biopsy from a 5-week bed rest study reveals the effect of exercise and potential interactions with dorsal root ganglion neurons.. *Physiological Reports*, **2022**, 10, e15176	2.6	1
18	Machine Learning Enabled Adaptive Wireless Power Transmission System for Neuroscience Study **2020**,		1
17	Novel proteinase-activated receptor-2 (PAR2) antagonist C391 inhibits Alternaria-induced human airway epithelial signaling in vitro and asthma indicators in acute exposure murine models. *British Journal of Pharmacology*, **2021**,	8.6	1
16	Alternaria alternata-induced airway epithelial signaling and inflammatory responses via protease-activated receptor-2 expression.. *Biochemical and Biophysical Research Communications*, **2021**, 591, 13-19	3.4	1
15	Sex differences in nociceptor translatomes contribute to divergent prostaglandin signaling in male and female mice		1
14	Type I interferons act directly on nociceptors to produce pain sensitization: Implications for viral infection-induced pain		1
13	Quantitative differences in neuronal subpopulations between mouse and human dorsal root ganglia demonstrated with RNAscope in situ hybridization		1
12	Nociceptor translational profiling reveals the RagA-mTORC1 network as a critical generator of neuropathic pain		1
11	A female-specific role for Calcitonin Gene-Related Peptide (CGRP) in rodent pain models		1
10	Transcriptomic Analysis of Human Sensory Neurons in Painful Diabetic Neuropathy Reveals Inflammation and Neuronal Loss		1
9	Neuroscience: A Male-Specific Pain Memory Mechanism. *Current Biology*, **2019**, 29, R50-R52	6.3	0
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