Theodore John Price

List of Publications by Year
in descending order

187 papers	10,349 citations	31976 53 h-index	48315 88 g-index
221 all docs	221 docs citations	221 times ranked	9816 citing authors

#	Article	IF	Citations
1	Cation-chloride cotransporters in neuronal development, plasticity and disease. Nature Reviews Neuroscience, 2014, 15, 637-654.	10.2	589
2	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
3	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, 263-272.	1.4	245
4	Chloride regulation in the pain pathway. Brain Research Reviews, 2009, 60, 149-170.	9.0	220
5	Electrophysiological and transcriptomic correlates of neuropathic pain in human dorsal root ganglion neurons. Brain, 2019, 142, 1215-1226.	7.6	198
6	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, 15113-15123.	3.6	190
7	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
8	Decreased Nociceptive Sensitization in Mice Lacking the Fragile X Mental Retardation Protein: Role of mGluR1/5 and mTOR. Journal of Neuroscience, 2007, 27, 13958-13967.	3.6	186
9	Engagement of descending inhibition from the rostral ventromedial medulla protects against chronic neuropathic pain. Pain, 2011, 152, 2701-2709.	4.2	186
10	Role of Cation-Chloride-Cotransporters (CCC) in Pain and Hyperalgesia. Current Topics in Medicinal Chemistry, 2005, 5, 547-555.	2.1	178
11	Pharmacogenetic Inhibition of eIF4E-Dependent Mmp9 mRNA Translation Reverses Fragile X Syndrome-like Phenotypes. Cell Reports, 2014, 9, 1742-1755.	6.4	174
12	Spatial transcriptomics of dorsal root ganglia identifies molecular signatures of human nociceptors. Science Translational Medicine, 2022, 14, eabj8186.	12.4	164
13	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
14	A Pain Research Agenda for the 21st Century. Journal of Pain, 2014, 15, 1203-1214.	1.4	145
15	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, 11393-11398.	7.1	142
16	Inhibition of Poly(A)-binding protein with a synthetic RNA mimic reduces pain sensitization in mice. Nature Communications, 2018, 9, 10.	12.8	135
17	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, 1118-1130.	5.4	132
18	The Anti-Diabetic Drug Metformin Protects against Chemotherapy-Induced Peripheral Neuropathy in a Mouse Model. PLoS ONE, 2014, 9, e100701.	2.5	132

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19	The neuronal distribution of cannabinoid receptor type 1 in the trigeminal ganglion of the rat. Neuroscience, 2003, 120, 155-162.	2.3	127
20	Cannabinoid WIN 55,212-2 Regulates TRPV1 Phosphorylation in Sensory Neurons. Journal of Biological Chemistry, 2006, 281, 32879-32890.	3.4	127
21	Quantitative differences in neuronal subpopulations between mouse and human dorsal root ganglia demonstrated with RNAscope in situ hybridization. Pain, 2020, 161, 2410-2424.	4.2	127
22	3D shape and 2D surface textures of human faces: the role of â€œaveragesâ€•in attractiveness and age. Image and Vision Computing, 1999, 18, 9-19.	4.5	123
23	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.	1.9	120
24	Commonalities Between Pain and Memory Mechanisms and Their Meaning for Understanding Chronic Pain. Progress in Molecular Biology and Translational Science, 2015, 131, 409-434.	1.7	117
25	Dural Calcitonin Gene-Related Peptide Produces Female-Specific Responses in Rodent Migraine Models. Journal of Neuroscience, 2019, 39, 4323-4331.	3.6	116
26	Spinal Protein Kinase M Î¶ Underlies the Maintenance Mechanism of Persistent Nociceptive Sensitization. Journal of Neuroscience, 2011, 31, 6646-6653.	3.6	114
27	Transition to chronic pain: opportunities for novel therapeutics. Nature Reviews Neuroscience, 2018, 19, 383-384.	10.2	113
28	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
29	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
30	Acetazolamide and midazolam act synergistically to inhibit neuropathic pain. Pain, 2010, 148, 302-308.	4.2	110
31	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
32	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
33	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
34	Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. Journal of Neuroscience, 2018, 38, 7032-7057.	3.6	92
35	Translational Control Mechanisms in Persistent Pain. Trends in Neurosciences, 2018, 41, 100-114.	8.6	91
36	Mycobacterium tuberculosis Sulfolipid-1 Activates Nociceptive Neurons and Induces Cough. Cell, 2020, 181, 293-305.e11.	28.9	88

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37	BDNF Regulates Atypical PKC at Spinal Synapses to Initiate and Maintain a Centralized Chronic Pain State. Molecular Pain, 2013, 9, 1744-8069-9-12.	2.1	86
38	Sigma 2 Receptor/Tmem97 Agonists Produce Long Lasting Antineuropathic Pain Effects in Mice. ACS Chemical Neuroscience, 2017, 8, 1801-1811.	3.5	86
39	ACE2 and SCARF expression in human dorsal root ganglion nociceptors: implications for SARS-CoV-2 virus neurological effects. Pain, 2020, 161, 2494-2501.	4.2	83
40	Neurobiology of SARS-CoV-2 interactions with the peripheral nervous system: implications for COVID-19 and pain. Pain Reports, 2021, 6, e885.	2.7	83
41	mTORC1 inhibition induces pain via IRS-1-dependent feedback activation of ERK. Pain, 2013, 154, 1080-1091.	4.2	79
42	The Pharmacology of Nociceptor Priming. Handbook of Experimental Pharmacology, 2015, 227, 15-37.	1.8	79
43	Studying human nociceptors: from fundamentals to clinic. Brain, 2021, 144, 1312-1335.	7.6	77
44	AMPK: An emerging target for modification of injury-induced pain plasticity. Neuroscience Letters, 2013, 557, 9-18.	2.1	75
45	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, 2107-2116.	2.3	73
46	Protein expression and mRNA cellular distribution of the NKCC1 cotransporter in the dorsal root and trigeminal ganglia of the rat. Brain Research, 2006, 1112, 146-158.	2.2	70
47	Cannabinoid CB1 receptors are expressed in the mouse urinary bladder and their activation modulates afferent bladder activity. Neuroscience, 2009, 159, 1154-1163.	2.3	70
48	Ensuring transparency and minimization of methodologic bias in preclinical pain research. Pain, 2016, 157, 901-909.	4.2	70
49	Pharmacological target-focused transcriptomic analysis of native vs cultured human and mouse dorsal root ganglia. Pain, 2020, 161, 1497-1517.	4.2	67
50	From Mechanism to Cure: Renewing the Goal to Eliminate the Disease of Pain. Pain Medicine, 2018, 19, 1525-1549.	1.9	66
51	Differences between Dorsal Root and Trigeminal Ganglion Nociceptors in Mice Revealed by Translational Profiling. Journal of Neuroscience, 2019, 39, 6829-6847.	3.6	66
52	Translating nociceptor sensitivity: the role of axonal protein synthesis in nociceptor physiology. European Journal of Neuroscience, 2009, 29, 2253-2263.	2.6	65
53	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
54	A Critical Role for Dopamine D5 Receptors in Pain Chronicity in Male Mice. Journal of Neuroscience, 2018, 38, 379-397.	3.6	62

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55	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
56	Non-invasive dural stimulation in mice: A novel preclinical model of migraine. Cephalalgia, 2019, 39, 123-134.	3.9	61
57	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.	3.6	60
58	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
59	Protease-activated receptor 2 activation is sufficient to induce the transition to a chronic pain state. Pain, 2015, 156, 859-867.	4.2	57
60	Nasal administration of mitochondria reverses chemotherapy-induced cognitive deficits. Theranostics, 2021, 11, 3109-3130.	10.0	57
61	The CysLT ₂ R receptor mediates leukotriene C ₄ -driven acute and chronic itch. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	57
62	Prolactin Regulates Pain Responses via a Female-Selective Nociceptor-Specific Mechanism. IScience, 2019, 20, 449-465.	4.1	56
63	Transcriptomic sex differences in sensory neuronal populations of mice. Scientific Reports, 2020, 10, 15278.	3.3	56
64	Spinal NKCC1 Blockade Inhibits TRPV1-Dependent Referred Allodynia. Molecular Pain, 2007, 3, 1744-8069-3-17.	2.1	54
65	Extracellular phosphorylation of a receptor tyrosine kinase controls synaptic localization of NMDA receptors and regulates pathological pain. PLoS Biology, 2017, 15, e2002457.	5.6	54
66	The use of metformin is associated with decreased lumbar radiculopathy pain. Journal of Pain Research, 2013, 6, 755.	2.0	49
67	Group II mGluRs suppress hyperexcitability in mouse and human nociceptors. Pain, 2016, 157, 2081-2088.	4.2	49
68	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
69	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, 2515-2526.	2.6	48
70	Contribution of PKMÎ¶-dependent and independent amplification to components of experimental neuropathic pain. Pain, 2012, 153, 1263-1273.	4.2	47
71	Human cells and networks of pain: Transforming pain target identification and therapeutic development. Neuron, 2021, 109, 1426-1429.	8.1	47
72	Meningeal <scp>CGRP</scp>â€Prolactin Interaction Evokes Femaleâ€Specific Migraine Behavior. Annals of Neurology, 2021, 89, 1129-1144.	5.3	46

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73	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
74	Activation of the integrated stress response in nociceptors drives methylglyoxal-induced pain. Pain, 2019, 160, 160-171.	4.2	45
75	Convergence of peptidergic and nonâ€peptidergic protein markers in the human dorsal root ganglion and spinal dorsal horn. Journal of Comparative Neurology, 2021, 529, 2771-2788.	1.6	44
76	Pharmacological interactions between calcium/calmodulin-dependent kinase II Î± and TRPV1 receptors in rat trigeminal sensory neurons. Neuroscience Letters, 2005, 389, 94-98.	2.1	42
77	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, 1744-8069-9-14.	2.1	42
78	Protease activated receptor 2 (PAR2) activation causes migraine-like pain behaviors in mice. Cephalalgia, 2019, 39, 111-122.	3.9	42
79	Selfâ€injurious behaviour in intellectual disability syndromes: evidence for aberrant pain signalling as a contributing factor. Journal of Intellectual Disability Research, 2012, 56, 441-452.	2.0	41
80	Transient receptor potential canonical 5 mediates inflammatory mechanical and spontaneous pain in mice. Science Translational Medicine, 2021, 13, .	12.4	41
81	Role of RVM neurons in capsaicinâ€evoked visceral nociception and referred hyperalgesia. European Journal of Pain, 2010, 14, 120.e1-9.	2.8	40
82	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
83	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
84	Sex Differences in Nociceptor Translatomes Contribute to Divergent Prostaglandin Signaling in Male and Female Mice. Biological Psychiatry, 2022, 91, 129-140.	1.3	40
85	A Female-Specific Role for Calcitonin Gene-Related Peptide (CGRP) in Rodent Pain Models. Journal of Neuroscience, 2022, 42, 1930-1944.	3.6	40
86	eIF4E-Dependent Translational Control: A Central Mechanism for Regulation of Pain Plasticity. Frontiers in Genetics, 2018, 9, 470.	2.3	39
87	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
88	Cannabinoid receptor-independent actions of the aminoalkylindole WIN 55,212-2 on trigeminal sensory neurons. British Journal of Pharmacology, 2004, 142, 257-266.	5.4	38
89	Reversal of pancreatitis-induced pain by an orally available, small molecule interleukin-6 receptor antagonist. Pain, 2010, 151, 257-265.	4.2	38
90	Spinal Inhibition of P2XR or p38 Signaling Disrupts Hyperalgesic Priming in Male, but not Female, Mice. Neuroscience, 2018, 385, 133-142.	2.3	38

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91	Sex-stratified genome-wide association study of multisite chronic pain in UK Biobank. PLoS Genetics, 2021, 17, e1009428.	3.5	37
92	Oestrogen receptors interact with the Î±-catalytic subunit of AMP-activated protein kinase. Bioscience Reports, 2015, 35, .	2.4	36
93	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.	2.5	36
94	Sex-dependent role of microglia in disulfide high mobility group box 1 protein-mediated mechanical hypersensitivity. Pain, 2021, 162, 446-458.	4.2	36
95	Inhibition of Carbonic Anhydrase Augments GABAA Receptor-Mediated Analgesia via a Spinal Mechanism of Action. Journal of Pain, 2014, 15, 395-406.	1.4	35
96	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
97	Prolactin receptor expression in mouse dorsal root ganglia neuronal subtypes is sexâ€dependent. Journal of Neuroendocrinology, 2019, 31, e12759.	2.6	34
98	Neuroendocrine Mechanisms Governing Sex Differences in Hyperalgesic Priming Involve Prolactin Receptor Sensory Neuron Signaling. Journal of Neuroscience, 2020, 40, 7080-7090.	3.6	34
99	Pharmacological Manipulation of Translation as a Therapeutic Target for Chronic Pain. Pharmacological Reviews, 2021, 73, 59-88.	16.0	34
100	The novel <scp>PAR</scp>2 ligand <scp>C</scp>391 blocks multiple <scp>PAR</scp>2 signalling pathways <i>in vitro</i> and <i>in vivo</i>. British Journal of Pharmacology, 2015, 172, 4535-4545.	5.4	33
101	eIF4E Phosphorylation Influences Bdnf mRNA Translation in Mouse Dorsal Root Ganglion Neurons. Frontiers in Cellular Neuroscience, 2018, 12, 29.	3.7	33
102	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
103	ZIPping to Pain Relief: The Role (or Not) of PKMÎ¶ in Chronicc Pain. Molecular Pain, 2013, 9, 1744-8069-9-6.	2.1	32
104	Inhibitory regulation of the pain gate and how its failure causes pathological pain. Pain, 2015, 156, 789-792.	4.2	32
105	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
106	A ligand-receptor interactome platform for discovery of pain mechanisms and therapeutic targets. Science Signaling, 2021, 14, .	3.6	32
107	Potent Agonists of the Protease Activated Receptor 2 (PAR₂). Journal of Medicinal Chemistry, 2011, 54, 1308-1313.	6.4	31
108	Ultrafast Nearâ€Infrared Lightâ€Triggered Intracellular Uncaging to Probe Cell Signaling. Advanced Functional Materials, 2017, 27, 1605778.	14.9	31

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109	A role for the anandamide membrane transporter in TRPV1-mediated neurosecretion from trigeminal sensory neurons. Neuropharmacology, 2005, 49, 25-39.	4.1	30
110	Competing molecular interactions of aPKC isoforms regulate neuronal polarity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14450-14455.	7.1	30
111	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
112	Transcriptomic analysis of human sensory neurons in painful diabetic neuropathy reveals inflammation and neuronal loss. Scientific Reports, 2022, 12, 4729.	3.3	30
113	Targeting AMPK for the Alleviation of Pathological Pain. Exs, 2016, 107, 257-285.	1.4	29
114	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.	2.2	29
115	Sex- and cell-dependent contribution of peripheral high mobility group box 1 and TLR4 in arthritis-induced pain. Pain, 2021, 162, 459-470.	4.2	29
116	Neuroligin 2 regulates spinal GABAergic plasticity in hyperalgesic priming, a model of the transition from acute to chronic pain. Pain, 2016, 157, 1314-1324.	4.2	27
117	Development of highly potent proteaseâ€activated receptor 2 agonists<i>via</i>synthetic lipid tethering. FASEB Journal, 2013, 27, 1498-1510.	0.5	26
118	Evaluation of the neonatal streptozotocin model of diabetes in rats: Evidence for a model of neuropathic pain. Pharmacological Reports, 2018, 70, 294-303.	3.3	26
119	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, 19076-19088.	3.4	25
120	Bidirectional regulation of P body formation mediated by eIF4F complex formation in sensory neurons. Neuroscience Letters, 2014, 563, 169-174.	2.1	25
121	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
122	Organ-specific, multimodal, wireless optoelectronics for high-throughput phenotyping of peripheral neural pathways. Nature Communications, 2021, 12, 157.	12.8	25
123	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
124	Sexâ€dependent pronociceptive role of spinal Î±₅â€GABA_A receptor and its epigenetic regulation in neuropathic rodents. Journal of Neurochemistry, 2021, 156, 897-916.	3.9	24
125	Evolution: The Advantage of â€˜Maladaptiveâ€™ Pain Plasticity. Current Biology, 2014, 24, R384-R386.	3.9	22
126	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.	0.6	22

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127	Modulation of Spinal GABAergic Analgesia by Inhibition of Chloride Extrusion Capacity in Mice. Journal of Pain, 2012, 13, 546-554.	1.4	21
128	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
129	Transient Photoinactivation of Cell Membrane Protein Activity without Genetic Modification by Molecular Hyperthermia. ACS Nano, 2019, 13, 12487-12499.	14.6	21
130	Anthrax toxins regulate pain signaling and can deliver molecular cargoes into ANTXR2+ DRG sensory neurons. Nature Neuroscience, 2022, 25, 168-179.	14.8	20
131	Meningeal norepinephrine produces headache behaviors in rats via actions both on dural afferents and fibroblasts. Cephalalgia, 2015, 35, 1054-1064.	3.9	19
132	Predominant role of spinal P2Y 1 receptors in the development of neuropathic pain in rats. Brain Research, 2016, 1636, 43-51.	2.2	19
133	Emerging neurotechnology for antinoceptive mechanisms and therapeutics discovery. Biosensors and Bioelectronics, 2019, 126, 679-689.	10.1	19
134	Rapamycin inhibition of mTORC1 reverses lithium-induced proliferation of renal collecting duct cells. American Journal of Physiology - Renal Physiology, 2013, 305, F1201-F1208.	2.7	18
135	Recent advances toward understanding the mysteries of the acute to chronic pain transition. Current Opinion in Physiology, 2019, 11, 42-50.	1.8	18
136	The cellular basis of protease activated receptor type 2 (PAR2) evoked mechanical and affective pain. JCI Insight, 2020, 5, .	5.0	18
137	Therapeutic opportunities for pain medicines via targeting of specific translation signaling mechanisms. Neurobiology of Pain (Cambridge, Mass), 2018, 4, 8-19.	2.5	17
138	Development and Evaluation of Small Peptidomimetic Ligands to Protease-Activated Receptor-2 (PAR2) through the Use of Lipid Tethering. PLoS ONE, 2014, 9, e99140.	2.5	16
139	eIF4E phosphorylation modulates pain and neuroinflammation in the aged. GeroScience, 2020, 42, 1663-1674.	4.6	16
140	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
141	Activating transcription factor 3 mRNA is upregulated in primary cultures of trigeminal ganglion neurons. Molecular Brain Research, 2003, 118, 156-159.	2.3	15
142	Lanthanide Labeling of a Potent Protease Activated Receptor-2 Agonist for Time-Resolved Fluorescence Analysis. Bioconjugate Chemistry, 2012, 23, 2098-2104.	3.6	15
143	Fragile X Mental Retardation Protein (FMRP) and the Spinal Sensory System. Results and Problems in Cell Differentiation, 2012, 54, 41-59.	0.7	15
144	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

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145	Molecular, circuit, and anatomical changes in the prefrontal cortex in chronic pain. Pain, 2020, 161, 1726-1729.	4.2	13
146	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.	2.5	13
147	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, e562.	2.7	12
148	Intercellular Arc Signaling Regulates Vasodilation. Journal of Neuroscience, 2021, 41, 7712-7726.	3.6	12
149	MNK-eIF4E signalling is a highly conserved mechanism for sensory neuron axonal plasticity: evidence from <i>Aplysia californica</i>. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190289.	4.0	11
150	Prolactin signaling modulates stressâ€induced behavioral responses in a preclinical mouse model of migraine. Headache, 2022, 62, 11-25.	3.9	10
151	Dendritic spine plasticity as an underlying mechanism of neuropathic pain: Commentary on Tan et al.. Experimental Neurology, 2012, 233, 740-744.	4.1	9
152	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
153	RNA sequencing on muscle biopsy from a 5â€week bed rest study reveals the effect of exercise and potential interactions with dorsal root ganglion neurons. Physiological Reports, 2022, 10, e15176.	1.7	9
154	Contrasting effects of chronic, systemic treatment with mTOR inhibitors rapamycin and metformin on adult neural progenitors in mice. Age, 2014, 36, 199-212.	3.0	8
155	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
156	A peptide encoded within a 5â€² untranslated region promotes pain sensitization in mice. Pain, 2021, 162, 1864-1875.	4.2	8
157	Response of Astrocyte Subpopulations Following Spinal Cord Injury. Cells, 2022, 11, 721.	4.1	8
158	Receptor Specificity Defines Algogenic Properties of Propofol and Fospropofol. Anesthesia and Analgesia, 2012, 115, 837-840.	2.2	7
159	Diversity of Receptor Expression in Central and Peripheral Mouse Neurons Estimated from Single Cell RNA Sequencing. Neuroscience, 2021, 463, 86-96.	2.3	7
160	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
161	Alternaria alternata-induced airway epithelial signaling and inflammatory responses via protease-activated receptor-2 expression. Biochemical and Biophysical Research Communications, 2022, 591, 13-19.	2.1	7
162	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-C726.	4.6	6

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163	De novo protein synthesis is necessary for priming in preclinical models of migraine. Cephalalgia, 2021, 41, 237-246.	3.9	6
164	Transforaminal Blood Patch for the Treatment of Chronic Headache from Intracranial Hypotension: A Case Report and Review. Anesthesiology Research and Practice, 2012, 2012, 1-4.	0.7	5
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