Clifford J Woolf

List of Publications by Year
in descending order

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299	71,751	704 125	704 260
papers	citations	h-index	g-index

338	338	338	47948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural imaging studies of patients with chronic pain: an anatomical likelihood estimate meta-analysis. Pain, 2023, 164, e10-e24.	2.0	8
2	Cannabidiol activates neuronal Kv7 channels. ELife, 2022, 11, .	2.8	19
3	A multiparametric activity profiling platform for neuron disease phenotyping and drug screening. Molecular Biology of the Cell, 2022, 33, mbcE21100481.	0.9	4
4	Automated preclinical detection of mechanical pain hypersensitivity and analgesia. Pain, 2022, 163, 2326-2336.	2.0	9
5	Effect of Ezogabine on Cortical and Spinal Motor Neuron Excitability in Amyotrophic Lateral Sclerosis. JAMA Neurology, 2021, 78, 186.	4.5	79
6	Epineural optogenetic activation of nociceptors initiates and amplifies inflammation. Nature Biotechnology, 2021, 39, 179-185.	9.4	54
7	Brain Responses to Noxious Stimuli in Patients With Chronic Pain. JAMA Network Open, 2021, 4, e2032236.	2.8	12
8	Isolation of Nuclei from Mouse Dorsal Root Ganglia for Single-nucleus Genomics. Bio-protocol, 2021, 11, e4102.	0.2	4
9	Reduced MC4R signaling alters nociceptive thresholds associated with red hair. Science Advances, 2021, 7, .	4.7	7
10	Human cells and networks of pain: Transforming pain target identification and therapeutic development. Neuron, 2021, 109, 1426-1429.	3.8	47
11	Inhibition of inflammatory pain and cough by a novel charged sodium channel blocker. British Journal of Pharmacology, 2021, 178, 3905-3923.	2.7	19
12	FcÎµR1-expressing nociceptors trigger allergic airway inflammation. Journal of Allergy and Clinical Immunology, 2021, 147, 2330-2342.	1.5	36
13	Human amyotrophic lateral sclerosis excitability phenotype screen: Target discovery and validation. Cell Reports, 2021, 35, 109224.	2.9	33
14	Dissecting the precise nature of itch-evoked scratching. Neuron, 2021, 109, 3075-3087.e2.	3.8	19
15	Promoting Longâ€Term Cultivation of Motor Neurons for 3D Neuromuscular Junction Formation of 3D In Vitro Using Centralâ€Nervousâ€Tissueâ€Derived Bioink. Advanced Healthcare Materials, 2021, 10, e2100581.	3.9	14
16	DeepEthogram, a machine learning pipeline for supervised behavior classification from raw pixels. ELife, 2021, 10, .	2.8	80
17	Topoisomerase I inhibition and peripheral nerve injury induce DNA breaks and ATF3-associated axon regeneration in sensory neurons. Cell Reports, 2021, 36, 109666.	2.9	16
18	Two independent mouse lines carrying the Nav1.7 I228M gain-of-function variant display dorsal root ganglion neuron hyperexcitability but a minimal pain phenotype. Pain, 2021, 162, 1758-1770.	2.0	9

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19	Nociceptor neurons promote IgE class switch in B cells. JCI Insight, 2021, 6, .	2.3	11
20	Developing nociceptor-selective treatments for acute and chronic pain. Science Translational Medicine, 2021, 13, eabj9837.	5.8	22
21	Capturing Novel Non-opioid Pain Targets. Biological Psychiatry, 2020, 87, 74-81.	0.7	69
22	Sepiapterin Reductase Inhibition Leading to Selective Reduction of Inflammatory Joint Pain in Mice and Increased Urinary Sepiapterin Levels in Humans and Mice. Arthritis and Rheumatology, 2020, 72, 57-66.	2.9	13
23	Unraveling the Plastic Peripheral Neuroimmune Interactome. Journal of Immunology, 2020, 204, 257-263.	0.4	31
24	Transcriptional Reprogramming of Distinct Peripheral Sensory Neuron Subtypes after Axonal Injury. Neuron, 2020, 108, 128-144.e9.	3.8	254
25	Convergent neural representations of experimentally-induced acute pain in healthy volunteers: A large-scale fMRI meta-analysis. Neuroscience and Biobehavioral Reviews, 2020, 112, 300-323.	2.9	66
26	Vagal sensory neurons drive mucous cell metaplasia. Journal of Allergy and Clinical Immunology, 2020, 145, 1693-1696.e4.	1.5	17
27	Nonsurgical mouse model of endometriosis-associated pain that responds to clinically active drugs. Pain, 2020, 161, 1321-1331.	2.0	28
28	Composite Pain Biomarker Signatures for Objective Assessment and Effective Treatment. Neuron, 2019, 101, 783-800.	3.8	153
29	Recurrent SMARCB1 Mutations Reveal a Nucleosome Acidic Patch Interaction Site That Potentiates mSWI/SNF Complex Chromatin Remodeling. Cell, 2019, 179, 1342-1356.e23.	13.5	72
30	The Role of Iron Regulation in Immunometabolism and Immune-Related Disease. Frontiers in Molecular Biosciences, 2019, 6, 116.	1.6	178
31	Neurite Collapse and Altered ER Ca2+ Control in Human Parkinson Disease Patient iPSC-Derived Neurons with LRRK2 G2019S Mutation. Stem Cell Reports, 2019, 12, 29-41.	2.3	57
32	ALS-implicated protein TDP-43 sustains levels of STMN2, a mediator of motor neuron growth and repair. Nature Neuroscience, 2019, 22, 167-179.	7.1	353
33	Diltiazem Promotes Regenerative Axon Growth. Molecular Neurobiology, 2019, 56, 3948-3957.	1.9	19
34	Novel charged sodium and calcium channel inhibitor active against neurogenic inflammation. ELife, 2019, 8, .	2.8	26
35	Pain amplificationâ€"A perspective on the how, why, when, and where of central sensitization. Journal of Applied Biobehavioral Research, 2018, 23, e12124.	2.0	48
36	Mechanistic Differences in Neuropathic Pain Modalities Revealed by Correlating Behavior with Global Expression Profiling. Cell Reports, 2018, 22, 1301-1312.	2.9	142

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37	Purkinje cells derived from TSC patients display hypoexcitability and synaptic deficits associated with reduced FMRP levels and reversed by rapamycin. Molecular Psychiatry, 2018, 23, 2167-2183.	4.1	90
38	Staphylococcus aureus produces pain through pore-forming toxins and neuronal TRPV1 that is silenced by QX-314. Nature Communications, 2018, 9, 37.	5.8	117
39	Optical cuff for optogenetic control of the peripheral nervous system. Journal of Neural Engineering, 2018, 15, 015002.	1.8	29
40	The metabolite BH4 controls T cell proliferation in autoimmunity and cancer. Nature, 2018, 563, 564-568.	13.7	174
41	Touch and tactile neuropathic pain sensitivity are set by corticospinal projections. Nature, 2018, 561, 547-550.	13.7	171
42	Commensal microflora-induced T cell responses mediate progressive neurodegeneration in glaucoma. Nature Communications, 2018, 9, 3209.	5.8	184
43	Axonal G3BP1 stress granule protein limits axonal mRNA translation and nerve regeneration. Nature Communications, 2018, 9, 3358.	5.8	114
44	Neuronal-Specific TUBB3 Is Not Required for Normal Neuronal Function but Is Essential for Timely Axon Regeneration. Cell Reports, 2018, 24, 1865-1879.e9.	2.9	101
45	Substance P activates Mas-related G proteinâ€“coupled receptors to induce itch. Journal of Allergy and Clinical Immunology, 2017, 140, 447-453.e3.	1.5	131
46	Time for nonaddictive relief of pain. Science, 2017, 355, 1026-1027.	6.0	56
47	The G2A receptor (GPR132) contributes to oxaliplatin-induced mechanical pain hypersensitivity. Scientific Reports, 2017, 7, 446.	1.6	46
48	Decreased alertness due to sleep loss increases pain sensitivity in mice. Nature Medicine, 2017, 23, 768-774.	15.2	119
49	Breaking barriers to novel analgesic drug development. Nature Reviews Drug Discovery, 2017, 16, 545-564.	21.5	258
50	Crosstalk between KCNK3-Mediated Ion Current and Adrenergic Signaling Regulates Adipose Thermogenesis and Obesity. Cell, 2017, 171, 836-848.e13.	13.5	69
51	Time-Resolved Fast Mammalian Behavior Reveals the Complexity of Protective Pain Responses. Cell Reports, 2017, 20, 89-98.	2.9	41
52	Mouse embryonic stem cells can differentiate via multiple paths to the same state. ELife, 2017, 6, .	2.8	63
53	Sense and Immunity: Context-Dependent Neuro-Immune Interplay. Frontiers in Immunology, 2017, 8, 1463.	2.2	53
54	Neuronal Circuits Modulate Antigen Flow Through Lymph Nodes. Bioelectronic Medicine, 2016, 3, 18-28.	1.0	23

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55	Ensuring transparency and minimization of methodologic bias in preclinical pain research. Pain, 2016, 157, 901-909.	2.0	70
56	Pain and infection. Pain, 2016, 157, 1192-1193.	2.0	28
57	Association of Joint Inflammation With Pain Sensitization in Knee Osteoarthritis: The Multicenter Osteoarthritis Study. Arthritis and Rheumatology, 2016, 68, 654-661.	2.9	195
58	Nucleolin-Mediated RNA Localization Regulates Neuron Growth and Cycling Cell Size. Cell Reports, 2016, 16, 1664-1676.	2.9	64
59	Toward a Mechanism-Based Approach to Pain Diagnosis. Journal of Pain, 2016, 17, T50-T69.	0.7	244
60	Targeting CYP2J to reduce paclitaxel-induced peripheral neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12544-12549.	3.3	79
61	Inhibition of the kinase WNK1/HSN2 ameliorates neuropathic pain by restoring GABA inhibition. Science Signaling, 2016, 9, ra32.	1.6	43
62	A Systems-Level Analysis of the Peripheral Nerve Intrinsic Axonal Growth Program. Neuron, 2016, 89, 956-970.	3.8	314
63	Neuroimmunity: Physiology and Pathology. Annual Review of Immunology, 2016, 34, 421-447.	9.5	159
64	Lack of motor recovery after prolonged denervation of the neuromuscular junction is not due to regenerative failure. European Journal of Neuroscience, 2016, 43, 451-462.	1.2	72
65	Research design considerations for chronic pain prevention clinical trials. Pain, 2015, 156, 1184-1197.	2.0	115
66	Chronic Electrical Nerve Stimulation as a Therapeutic Intervention for Peripheral Nerve Repair. Bioelectronic Medicine, 2015, 2, 43-48.	1.0	5
67	Robust Axonal Regeneration Occurs in the Injured CAST/Ei Mouse CNS. Neuron, 2015, 86, 1215-1227.	3.8	87
68	CD11b⁺Ly6G^{â”}myeloid cells mediate mechanical inflammatory pain hypersensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6808-17.	3.3	139
69	Sensitivity and sensitisation in relation to pain severity in knee osteoarthritis: trait or state?. Annals of the Rheumatic Diseases, 2015, 74, 682-688.	0.5	158
70	Silencing Nociceptor Neurons Reduces Allergic Airway Inflammation. Neuron, 2015, 87, 341-354.	3.8	299
71	From Dish to Bedside: Lessons Learned While Translating Findings from a Stem Cell Model of Disease to a Clinical Trial. Cell Stem Cell, 2015, 17, 8-10.	5.2	86
72	Reduction of Neuropathic and Inflammatory Pain through Inhibition of the Tetrahydrobiopterin Pathway. Neuron, 2015, 86, 1393-1406.	3.8	101

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73	The serine protease inhibitor SerpinA3N attenuates neuropathic pain by inhibiting T cellâ€“derived leukocyte elastase. Nature Medicine, 2015, 21, 518-523.	15.2	182
74	CNS Injury: IL-33 Sounds the Alarm. Immunity, 2015, 42, 403-405.	6.6	19
75	Injury-Induced Decline of Intrinsic Regenerative Ability Revealed by Quantitative Proteomics. Neuron, 2015, 86, 1000-1014.	3.8	220
76	Doublecortin-Like Kinases Promote Neuronal Survival and Induce Growth Cone Reformation via Distinct Mechanisms. Neuron, 2015, 88, 704-719.	3.8	104
77	The Stress-Induced Atf3-Gelsolin Cascade Underlies Dendritic Spine Deficits in Neuronal Models of Tuberous Sclerosis Complex. Journal of Neuroscience, 2015, 35, 10762-10772.	1.7	40
78	Modeling pain in vitro using nociceptor neurons reprogrammed from fibroblasts. Nature Neuroscience, 2015, 18, 17-24.	7.1	197
79	ATF3 expression improves motor function in the ALS mouse model by promoting motor neuron survival and retaining muscle innervation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1622-1627.	3.3	50
80	Casting light on pain. Nature Biotechnology, 2014, 32, 240-241.	9.4	3
81	Intrinsic Membrane Hyperexcitability of Amyotrophic Lateral Sclerosis Patient-Derived Motor Neurons. Cell Reports, 2014, 7, 1-11.	2.9	583
82	Pathways Disrupted in Human ALS Motor Neurons Identified through Genetic Correction of Mutant SOD1. Cell Stem Cell, 2014, 14, 781-795.	5.2	392
83	What to call the amplification of nociceptive signals in the central nervous system that contribute to widespread pain?. Pain, 2014, 155, 1911-1912.	2.0	69
84	Skin Î²-Endorphin Mediates Addiction to UV Light. Cell, 2014, 157, 1527-1534.	13.5	254
85	Therapeutic Restoration of Spinal Inhibition via Druggable Enhancement of Potassium-Chloride Cotransporter KCC2â€“Mediated Chloride Extrusion in Peripheral Neuropathic Pain. JAMA Neurology, 2014, 71, 640.	4.5	50
86	Diminished Schwann Cell Repair Responses Underlie Age-Associated Impaired Axonal Regeneration. Neuron, 2014, 83, 331-343.	3.8	215
87	A three-dimensional human neural cell culture model of Alzheimerâ€™s disease. Nature, 2014, 515, 274-278.	13.7	950
88	Transcriptional profiling at whole population and single cell levels reveals somatosensory neuron molecular diversity. ELife, 2014, 3, .	2.8	208
89	Bacteria activate sensory neurons that modulate pain and inflammation. Nature, 2013, 501, 52-57.	13.7	684
90	Personalized Medicine and Opioid Analgesic Prescribing for Chronic Pain: Opportunities and Challenges. Journal of Pain, 2013, 14, 103-113.	0.7	98

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91	Pain: morphine, metabolites, mambas, and mutations. Lancet Neurology, The, 2013, 12, 18-20.	4.9	12
92	Photochemical activation of TRPA1 channels in neurons and animals. Nature Chemical Biology, 2013, 9, 257-263.	3.9	97
93	CLP1 links tRNA metabolism to progressive motor-neuron loss. Nature, 2013, 495, 474-480.	13.7	231
94	Phenotyping the Function of TRPV1-Expressing Sensory Neurons by Targeted Axonal Silencing. Journal of Neuroscience, 2013, 33, 315-326.	1.7	86
95	A Small Molecule Screen in Stem-Cell-Derived Motor Neurons Identifies a Kinase Inhibitor as a Candidate Therapeutic for ALS. Cell Stem Cell, 2013, 12, 713-726.	5.2	285
96	Activity-dependent silencing reveals functionally distinct itch-generating sensory neurons. Nature Neuroscience, 2013, 16, 910-918.	7.1	133
97	Permeation and block of TRPV1 channels by the cationic lidocaine derivative QX-314. Journal of Neurophysiology, 2013, 109, 1704-1712.	0.9	85
98	Construction of a Global Pain Systems Network Highlights Phospholipid Signaling as a Regulator of Heat Nociception. PLoS Genetics, 2012, 8, e1003071.	1.5	23
99	5,6-EET Is Released upon Neuronal Activity and Induces Mechanical Pain Hypersensitivity via TRPA1 on Central Afferent Terminals. Journal of Neuroscience, 2012, 32, 6364-6372.	1.7	103
100	Genetically determined P2X7 receptor pore formation regulates variability in chronic pain sensitivity. Nature Medicine, 2012, 18, 595-599.	15.2	335
101	Deconstructing the Neuropathic Pain Phenotype to Reveal Neural Mechanisms. Neuron, 2012, 73, 638-652.	3.8	689
102	Neurogenic inflammation and the peripheral nervous system in host defense and immunopathology. Nature Neuroscience, 2012, 15, 1063-1067.	7.1	506
103	Analgesia by inhibiting tetrahydrobiopterin synthesis. Current Opinion in Pharmacology, 2012, 12, 92-99.	1.7	39
104	Conversion of Mouse and Human Fibroblasts into Functional Spinal Motor Neurons. Cell Stem Cell, 2011, 9, 205-218.	5.2	591
105	TrpA1 Regulates Thermal Nociception in Drosophila. PLoS ONE, 2011, 6, e24343.	1.1	140
106	A functionally characterized test set of human induced pluripotent stem cells. Nature Biotechnology, 2011, 29, 279-286.	9.4	446
107	Central sensitization: Implications for the diagnosis and treatment of pain. Pain, 2011, 152, S2-S15.	2.0	3,166
108	Considerations for extrapolating evidence of acute and chronic pain analgesic efficacy. Pain, 2011, 152, 1705-1708.	2.0	36

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109	The BMP Coreceptor RGMb Promotes While the Endogenous BMP Antagonist Noggin Reduces Neurite Outgrowth and Peripheral Nerve Regeneration by Modulating BMP Signaling. Journal of Neuroscience, 2011, 31, 18391-18400.	1.7	64
110	Accelerating axonal growth promotes motor recovery after peripheral nerve injury in mice. Journal of Clinical Investigation, 2011, 121, 4332-4347.	3.9	195
111	What is this thing called pain?. Journal of Clinical Investigation, 2010, 120, 3742-3744.	3.9	392
112	Selectively targeting pain in the trigeminal system. Pain, 2010, 150, 29-40.	2.0	51
113	Overcoming obstacles to developing new analgesics. Nature Medicine, 2010, 16, 1241-1247.	15.2	189
114	TRPA1 Contributes to Cold Hypersensitivity. Journal of Neuroscience, 2010, 30, 15165-15174.	1.7	248
115	Multiple chronic pain states are associated with a common amino acidâ€“changing allele in KCNS1. Brain, 2010, 133, 2519-2527.	3.7	224
116	A Genome-wide Drosophila Screen for Heat Nociception Identifies Î±2Î´3 as an Evolutionarily Conserved Pain Gene. Cell, 2010, 143, 628-638.	13.5	283
117	Loss of Inhibitory Interneurons in the Dorsal Spinal Cord and Elevated Itch in Bhlhb5 Mutant Mice. Neuron, 2010, 65, 886-898.	3.8	376
118	Synaptic Plasticity and Central Sensitization: Author Reply. Journal of Pain, 2010, 11, 801-803.	0.7	22
119	T-Cell Infiltration and Signaling in the Adult Dorsal Spinal Cord Is a Major Contributor to Neuropathic Pain-Like Hypersensitivity. Journal of Neuroscience, 2009, 29, 14415-14422.	1.7	380
120	Overexpression of the Wild-Type SPT1 Subunit Lowers Desoxysphingolipid Levels and Rescues the Phenotype of HSAN1. Journal of Neuroscience, 2009, 29, 14646-14651.	1.7	87
121	A Novel Tool for the Assessment of Pain: Validation in Low Back Pain. PLoS Medicine, 2009, 6, e1000047.	3.9	226
122	Transient receptor potential channels: targeting pain at the source. Nature Reviews Drug Discovery, 2009, 8, 55-68.	21.5	548
123	Mu and Delta Opioid Receptors Diverge. Cell, 2009, 137, 987-988.	13.5	20
124	Periganglionic inflammation elicits a distally radiating pain hypersensitivity by promoting COX-2 induction in the dorsal root ganglion. Pain, 2009, 142, 59-67.	2.0	59
125	Central Sensitization: A Generator of Pain Hypersensitivity by Central Neural Plasticity. Journal of Pain, 2009, 10, 895-926.	0.7	2,675
126	Neuropathic Pain: A Maladaptive Response of the Nervous System to Damage. Annual Review of Neuroscience, 2009, 32, 1-32.	5.0	1,562

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127	COX2 in CNS neural cells mediates mechanical inflammatory pain hypersensitivity in mice. Journal of Clinical Investigation, 2009, 119, 287-94.	3.9	98
128	Reduced hyperalgesia in homozygous carriers of a GTP cyclohydrolase 1 haplotype. European Journal of Pain, 2008, 12, 1069-1077.	1.4	97
129	Ro5-4864 promotes neonatal motor neuron survival and nerve regeneration in adult rats. European Journal of Neuroscience, 2008, 27, 937-946.	1.2	38
130	GCH1 Haplotype Determines Vascular and Plasma Biopterin Availability in Coronary Artery Disease. Journal of the American College of Cardiology, 2008, 52, 158-165.	1.2	83
131	Low-dose methotrexate reduces peripheral nerve injury-evoked spinal microglial activation and neuropathic pain behavior in rats. Pain, 2008, 138, 130-142.	2.0	78
132	Nociceptors Are Interleukin-1Î² Sensors. Journal of Neuroscience, 2008, 28, 14062-14073.	1.7	533
133	Bradykinin Enhances AMPA and NMDA Receptor Activity in Spinal Cord Dorsal Horn Neurons by Activating Multiple Kinases to Produce Pain Hypersensitivity. Journal of Neuroscience, 2008, 28, 4533-4540.	1.7	99
134	Reliable Screening for a Pain-Protective Haplotype in the GTP Cyclohydrolase 1 Gene (GCH1) Through the Use of 3 or Fewer Single Nucleotide Polymorphisms. Clinical Chemistry, 2007, 53, 1010-1015.	1.5	52
135	Complement Induction in Spinal Cord Microglia Results in Anaphylatoxin C5a-Mediated Pain Hypersensitivity. Journal of Neuroscience, 2007, 27, 8699-8708.	1.7	211
136	Central Sensitization. Anesthesiology, 2007, 106, 864-867.	1.3	245
137	Nociceptorsâ€"Noxious Stimulus Detectors. Neuron, 2007, 55, 353-364.	3.8	768
138	GDNF selectively promotes regeneration of injury-primed sensory neurons in the lesioned spinal cord. Molecular and Cellular Neurosciences, 2007, 36, 185-194.	1.0	55
139	ATF3 Increases the Intrinsic Growth State of DRG Neurons to Enhance Peripheral Nerve Regeneration. Journal of Neuroscience, 2007, 27, 7911-7920.	1.7	356
140	BACE1 regulates voltage-gated sodium channels and neuronal activity. Nature Cell Biology, 2007, 9, 755-764.	4.6	274
141	Cannabinoids mediate analgesia largely via peripheral type 1 cannabinoid receptors in nociceptors. Nature Neuroscience, 2007, 10, 870-879.	7.1	504
142	The neuropathic pain triad: neurons, immune cells and glia. Nature Neuroscience, 2007, 10, 1361-1368.	7.1	1,495
143	Inhibition of nociceptors by TRPV1-mediated entry of impermeant sodium channel blockers. Nature, 2007, 449, 607-610.	13.7	404
144	Persistent postsurgical pain: risk factors and prevention. Lancet, The, 2006, 367, 1618-1625.	6.3	3,242

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145	The transcription factor ATF-3 promotes neurite outgrowth. Molecular and Cellular Neurosciences, 2006, 32, 143-154.	1.0	199
146	RNAi blocks DYT1 mutant torsinA inclusions in neurons. Neuroscience Letters, 2006, 395, 201-205.	1.0	21
147	Runx1 Determines Nociceptive Sensory Neuron Phenotype and Is Required for Thermal and Neuropathic Pain. Neuron, 2006, 49, 365-377.	3.8	288
148	TRPA1 Contributes to Cold, Mechanical, and Chemical Nociception but Is Not Essential for Hair-Cell Transduction. Neuron, 2006, 50, 277-289.	3.8	1,134
149	Bone morphogenetic protein signaling by hemojuvelin regulates hepcidin expression. Nature Genetics, 2006, 38, 531-539.	9.4	921
150	GTP cyclohydrolase and tetrahydrobiopterin regulate pain sensitivity and persistence. Nature Medicine, 2006, 12, 1269-1277.	15.2	504
151	Constitutive cyclo-oxygenase-2 does not contribute to the development of human visceral pain hypersensitivity. European Journal of Pain, 2006, 10, 487-487.	1.4	15
152	Prostaglandin E2 Receptor EP4 Contributes to Inflammatory Pain Hypersensitivity. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1096-1103.	1.3	218
153	The Voltage-Gated Sodium Channel Nav1.9 Is an Effector of Peripheral Inflammatory Pain Hypersensitivity. Journal of Neuroscience, 2006, 26, 12852-12860.	1.7	265
154	Bradykinin Produces Pain Hypersensitivity by Potentiating Spinal Cord Glutamatergic Synaptic Transmission. Journal of Neuroscience, 2005, 25, 7986-7992.	1.7	130
155	Repulsive Guidance Molecule (RGMa), a DRAGON Homologue, Is a Bone Morphogenetic Protein Co-receptor. Journal of Biological Chemistry, 2005, 280, 29820-29827.	1.6	168
156	Mutant SPTLC1 dominantly inhibits serine palmitoyltransferase activity in vivo and confers an age-dependent neuropathy. Human Molecular Genetics, 2005, 14, 3507-3521.	1.4	57
157	Upregulation of the Voltage-Gated Sodium Channel Â2 Subunit in Neuropathic Pain Models: Characterization of Expression in Injured and Non-Injured Primary Sensory Neurons. Journal of Neuroscience, 2005, 25, 10970-10980.	1.7	108
158	Blocking Caspase Activity Prevents Transsynaptic Neuronal Apoptosis and the Loss of Inhibition in Lamina II of the Dorsal Horn after Peripheral Nerve Injury. Journal of Neuroscience, 2005, 25, 7317-7323.	1.7	360
159	DRAGON, a Bone Morphogenetic Protein Co-receptor. Journal of Biological Chemistry, 2005, 280, 14122-14129.	1.6	193
160	Role of the peripheral benzodiazepine receptor in sensory neuron regeneration. Molecular and Cellular Neurosciences, 2005, 30, 228-237.	1.0	41
161	ERK is sequentially activated in neurons, microglia, and astrocytes by spinal nerve ligation and contributes to mechanical allodynia in this neuropathic pain model. Pain, 2005, 114, 149-159.	2.0	669
162	Peripheral axonal injury results in reduced Î¼ opioid receptor pre- and post-synaptic action in the spinal cordâ˜†. Pain, 2005, 117, 77-87.	2.0	158

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163	Pain TRPs. Neuron, 2005, 46, 9-12.	3.8	114
164	Hemojuvelin Acts as a Bone Morphogenetic Protein Co-Receptor To Regulate Hepcidin Expression.. Blood, 2005, 106, 511-511.	0.6	5
165	Ionotropic and Metabotropic Receptors, Protein Kinase A, Protein Kinase C, and Src Contribute to C-Fiber-Induced ERK Activation and cAMP Response Element-Binding Protein Phosphorylation in Dorsal Horn Neurons, Leading to Central Sensitization. Journal of Neuroscience, 2004, 24, 8310-8321.	1.7	348
166	DRAGON: A Member of the Repulsive Guidance Molecule-Related Family of Neuronal- and Muscle-Expressed Membrane Proteins Is Regulated by DRG11 and Has Neuronal Adhesive Properties. Journal of Neuroscience, 2004, 24, 2027-2036.	1.7	99
167	Patients with Chest Pain and Occult Gastroesophageal Reflux Demonstrate Visceral Pain Hypersensitivity which may be Partially Responsive to Acid Suppression. American Journal of Gastroenterology, 2004, 99, 1998-2006.	0.2	79
168	Dynamic changes in glypican-1 expression in dorsal root ganglion neurons after peripheral and central axonal injury. European Journal of Neuroscience, 2004, 19, 1119-1132.	1.2	45
169	Axonal injury-dependent induction of the peripheral benzodiazepine receptor in small-diameter adult rat primary sensory neurons. European Journal of Neuroscience, 2004, 20, 671-683.	1.2	51
170	Adult neuron survival strategies â€" slamming on the brakes. Nature Reviews Neuroscience, 2004, 5, 686-700.	4.9	210
171	Peripheral noxious stimulation induces phosphorylation of the NMDA receptor NR1 subunit at the PKC-dependent site, serine-896, in spinal cord dorsal horn neurons. European Journal of Neuroscience, 2004, 20, 375-384.	1.2	125
172	Utilization of an HSV-based amplicon vector encoding the axonal marker hPLAP to follow neurite outgrowth in cultured DRG neurons. Journal of Neuroscience Methods, 2004, 132, 169-176.	1.3	2
173	The development and maintenance of human visceral pain hypersensitivity is dependent on the N-methyl-d-aspartate receptor. Gastroenterology, 2004, 126, 683-692.	0.6	187
174	Pain: Moving from Symptom Control toward Mechanism-Specific Pharmacologic Management. Annals of Internal Medicine, 2004, 140, 441.	2.0	844
175	Dissecting out mechanisms responsible for peripheral neuropathic pain: Implications for diagnosis and therapy. Life Sciences, 2004, 74, 2605-2610.	2.0	278
176	Differential Analgesic Sensitivity of Two Distinct Neuropathic Pain Models. Anesthesia and Analgesia, 2004, 99, 457-463.	1.1	71
177	Selective up-regulation of the growth arrest DNA damage-inducible gene Gadd45 alpha in sensory and motor neurons after peripheral nerve injury. European Journal of Neuroscience, 2003, 18, 911-922.	1.2	47
178	Disruption of ErbB receptor signaling in adult non-myelinating Schwann cells causes progressive sensory loss. Nature Neuroscience, 2003, 6, 1186-1193.	7.1	154
179	The prostaglandin E2 receptor-1 (EP-1) mediates acid-induced visceral pain hypersensitivity in humans. Gastroenterology, 2003, 124, 18-25.	0.6	128
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