Stuart John Bevan

List of Publications by Year
in descending order

86 papers	13,870 citations	28274 55 h-index	56724 83 g-index
89 all docs	89 docs citations	89 times ranked	9794 citing authors

#	Article	IF	Citations
1	ANKTM1, a TRP-like Channel Expressed in Nociceptive Neurons, Is Activated by Cold Temperatures. Cell, 2003, 112, 819-829.	28.9	2,180
2	A TRP Channel that Senses Cold Stimuli and Menthol. Cell, 2002, 108, 705-715.	28.9	1,972
3	A Heat-Sensitive TRP Channel Expressed in Keratinocytes. Science, 2002, 296, 2046-2049.	12.6	828
4	Transient Receptor Potential A1 Is a Sensory Receptor for Multiple Products of Oxidative Stress. Journal of Neuroscience, 2008, 28, 2485-2494.	3.6	625
5	Inhibition of spinal microglial cathepsin S for the reversal of neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10655-10660.	7.1	410
6	Sensory neuron-specific actions of capsaicin: mechanisms and applications. Trends in Pharmacological Sciences, 1990, 11, 331-333.	8.7	395
7	Pain related behaviour in two models of osteoarthritis in the rat knee. Pain, 2004, 112, 83-93.	4.2	356
8	siRNA relieves chronic neuropathic pain. Nucleic Acids Research, 2004, 32, e49-e49.	14.5	338
9	Protons: small stimulants of capsaicin-sensitive sensory nerves. Trends in Neurosciences, 1994, 17, 509-512.	8.6	285
10	Distribution and Function of the Hydrogen Sulfideâ€“Sensitive TRPA1 Ion Channel in Rat Urinary Bladder. European Urology, 2008, 53, 391-400.	1.9	263
11	The distribution of Î±â€bungarotoxin binding sites on mammalian skeletal muscle developing <i>in vivo</i>. Journal of Physiology, 1977, 267, 195-213.	2.9	258
12	Functional Downregulation of P2X₃Receptor Subunit in Rat Sensory Neurons Reveals a Significant Role in Chronic Neuropathic and Inflammatory Pain. Journal of Neuroscience, 2002, 22, 8139-8147.	3.6	242
13	TRPA1 mediates spinal antinociception induced by acetaminophen and the cannabinoid Î”9-tetrahydrocannabiorcol. Nature Communications, 2011, 2, 551.	12.8	236
14	The Discovery of Capsazepine, the First Competitive Antagonist of the Sensory Neuron Excitants Capsaicin and Resiniferatoxin. Journal of Medicinal Chemistry, 1994, 37, 1942-1954.	6.4	201
15	TRPM8 Activation by Menthol, Icilin, and Cold Is Differentially Modulated by Intracellular pH. Journal of Neuroscience, 2004, 24, 5364-5369.	3.6	198
16	Anandamide-Evoked Activation of Vanilloid Receptor 1 Contributes to the Development of Bladder Hyperreflexia and Nociceptive Transmission to Spinal Dorsal Horn Neurons in Cystitis. Journal of Neuroscience, 2004, 24, 11253-11263.	3.6	182
17	Capsaicin sensitivity is associated with the expression of the vanilloid (capsaicin) receptor (VR1) mRNA in adult rat sensory ganglia. Neuroscience Letters, 1998, 250, 177-180.	2.1	180
18	Pharmacological differences between the human and rat vanilloid receptor 1 (VR1). British Journal of Pharmacology, 2001, 132, 1084-1094.	5.4	176

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19	Anandamide regulates neuropeptide release from capsaicin-sensitive primary sensory neurons by activating both the cannabinoidâ€ƒ1 receptor and the vanilloid receptorâ€ƒ1in vitro. European Journal of Neuroscience, 2003, 17, 2611-2618.	2.6	168
20	Modulation of the Cold-Activated Channel TRPM8 by Lysophospholipids and Polyunsaturated Fatty Acids. Journal of Neuroscience, 2007, 27, 3347-3355.	3.6	158
21	A distinct role for transient receptor potential ankyrin 1, in addition to transient receptor potential vanilloid 1, in tumor necrosis factor Î±-induced inflammatory hyperalgesia and Freund's complete adjuvant-induced monarthritis. Arthritis and Rheumatism, 2011, 63, 819-829.	6.7	151
22	Analogs of capsaicin with agonist activity as novel analgesic agents; structure-activity studies. 1. The aromatic "A-region". Journal of Medicinal Chemistry, 1993, 36, 2362-2372.	6.4	148
23	Monocytes expressing CX3CR1 orchestrate the development of vincristine-induced pain. Journal of Clinical Investigation, 2014, 124, 2023-2036.	8.2	140
24	Regulation of calcitonin gene-related peptide and TRPV1 in a rat model of osteoarthritis. Neuroscience Letters, 2005, 388, 75-80.	2.1	138
25	TRPV1. Handbook of Experimental Pharmacology, 2014, 222, 207-245.	1.8	137
26	Cellular mechanism of action of resiniferatoxin: a potent sensory neuron excitotoxin. Brain Research, 1990, 520, 131-140.	2.2	130
27	Clioquinol and pyrithione activate TRPA1 by increasing intracellular Zn ²⁺. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8374-8379.	7.1	130
28	Monoacylglycerols Activate TRPV1 â€“ A Link between Phospholipase C and TRPV1. PLoS ONE, 2013, 8, e81618.	2.5	125
29	Role of the cysteine protease cathepsin S in neuropathic hyperalgesia. Pain, 2007, 130, 225-234.	4.2	119
30	Evidence for the pathophysiological relevance of TRPA1 receptors in the cardiovascular system in vivo. Cardiovascular Research, 2010, 87, 760-768.	3.8	114
31	Analogs of capsaicin with agonist activity as novel analgesic agents; structure-activity studies. 2. The amide bond "B-region". Journal of Medicinal Chemistry, 1993, 36, 2373-2380.	6.4	112
32	TRPM8 is a neuronal osmosensor that regulates eye blinking in mice. Nature Communications, 2015, 6, 7150.	12.8	111
33	Methylglyoxal Evokes Pain by Stimulating TRPA1. PLoS ONE, 2013, 8, e77986.	2.5	109
34	Analogs of capsaicin with agonist activity as novel analgesic agents; structure-activity studies. 3. The hydrophobic side-chain "C-region". Journal of Medicinal Chemistry, 1993, 36, 2381-2389.	6.4	107
35	The Roles of iPLA2, TRPM8 and TRPA1 in Chemically Induced Cold Hypersensitivity. Molecular Pain, 2010, 6, 1744-8069-6-4.	2.1	107
36	TRPA1 is essential for the vascular response to environmental cold exposure. Nature Communications, 2014, 5, 5732.	12.8	107

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37	Passive transfer of fibromyalgia symptoms from patients to mice. Journal of Clinical Investigation, 2021, 131, .	8.2	106
38	Voltage-dependent potassium currents in cultured astrocytes. Nature, 1985, 315, 229-232.	27.8	105
39	Metabotropic Glutamate Receptor 5 Upregulation in A-Fibers after Spinal Nerve Injury: 2-Methyl-6-(Phenylethynyl)-Pyridine (MPEP) Reverses the Induced Thermal Hyperalgesia. Journal of Neuroscience, 2002, 22, 2660-2668.	3.6	96
40	Comparative activity of the anti-convulsants oxcarbazepine, carbamazepine, lamotrigine and gabapentin in a model of neuropathic pain in the rat and guinea-pig. Pain, 2003, 105, 355-362.	4.2	93
41	Identification of Species-specific Determinants of the Action of the Antagonist Capsazepine and the Agonist PPAHV on TRPV1. Journal of Biological Chemistry, 2004, 279, 17165-17172.	3.4	89
42	Similarities and Differences in the Structureâˆ’Activity Relationships of Capsaicin and Resiniferatoxin Analogues. Journal of Medicinal Chemistry, 1996, 39, 2939-2952.	6.4	80
43	THIS ARTICLE HAS BEEN RETRACTED Activation of capsaicinâ€sensitive primary sensory neurones induces anandamide production and release. Journal of Neurochemistry, 2003, 84, 585-591.	3.9	80
44	G protein Î²Î³ subunits inhibit TRPM3 ion channels in sensory neurons. ELife, 2017, 6, .	6.0	76
45	A comparison of capsazepine and ruthenium red as capsaicin antagonists in the rat isolated urinary bladder and vas deferens. British Journal of Pharmacology, 1993, 108, 801-805.	5.4	73
46	Nociceptive Sensitizers Are Regulated in Damaged Joint Tissues, Including Articular Cartilage, When Osteoarthritic Mice Display Pain Behavior. Arthritis and Rheumatology, 2016, 68, 857-867.	5.6	73
47	Partial medial meniscectomy produces osteoarthritis pain-related behaviour in female C57BL/6 mice. Pain, 2012, 153, 281-292.	4.2	67
48	Superoxide generation and leukocyte accumulation: key elements in the mediation of leukotriene B₄â€induced itch by transient receptor potential ankyrin 1 and transient receptor potential vanilloid 1. FASEB Journal, 2013, 27, 1664-1673.	0.5	67
49	TRPA1 activation leads to neurogenic vasodilatation: involvement of reactive oxygen nitrogen species in addition to CGRP and NO. British Journal of Pharmacology, 2016, 173, 2419-2433.	5.4	67
50	Identification and Biological Characterization of 6-Aryl-7-isopropylquinazolinones as Novel TRPV1 Antagonists that Are Effective in Models of Chronic Pain. Journal of Medicinal Chemistry, 2006, 49, 471-474.	6.4	61
51	Streptozotocin Stimulates the Ion Channel TRPA1 Directly. Journal of Biological Chemistry, 2015, 290, 15185-15196.	3.4	59
52	Therapeutic potential of cannabinoid receptor agonists as analgesic agents. Expert Opinion on Investigational Drugs, 2005, 14, 695-703.	4.1	58
53	TRPA1 Has a Key Role in the Somatic Pro-Nociceptive Actions of Hydrogen Sulfide. PLoS ONE, 2012, 7, e46917.	2.5	57
54	Analogues of Capsaicin with Agonist Activity as Novel Analgesic Agents:Â Structureâˆ’Activity Studies. 4. Potent, Orally Active Analgesics. Journal of Medicinal Chemistry, 1996, 39, 4942-4951.	6.4	56

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55	Inflammatory mediators and modulators of pain. , 2006, , 49-72.		55
56	Stimulation of GLP-1 Secretion Downstream of the Ligand-Gated Ion Channel TRPA1. Diabetes, 2015, 64, 1202-1210.	0.6	50
57	4-Oxo-2-nonenal (4-ONE): Evidence of Transient Receptor Potential Ankyrin 1-Dependent and -Independent Nociceptive and Vasoactive Responses In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 117-124.	2.5	49
58	Arachidonic-acid metabolites as second messengers. Nature, 1987, 328, 20-20.	27.8	46
59	Anti-hyperalgesic activity of the cox-2 inhibitor lumiracoxib in a model of bone cancer pain in the rat. Pain, 2004, 107, 33-40.	4.2	46
60	Properties of 5â€hydroxytryptamine₃ receptorâ€gated currents in adult rat dorsal root ganglion neurones. British Journal of Pharmacology, 1991, 102, 272-276.	5.4	44
61	Effect of capsazepine on the release of calcitonin geneâ€related peptideâ€like immunoreactivity (CGRPâ€LI) induced by low pH, capsaicin and potassium in rat soleus muscle. British Journal of Pharmacology, 1993, 110, 609-612.	5.4	44
62	Autoantibodies produce pain in complex regional pain syndrome by sensitizing nociceptors. Pain, 2019, 160, 2855-2865.	4.2	41
63	Environmental cold exposure increases blood flow and affects pain sensitivity in the knee joints of CFA-induced arthritic mice in a TRPA1-dependent manner. Arthritis Research and Therapy, 2016, 18, 7.	3.5	39
64	7-<i>tert</i>-Butyl-6-(4-Chloro-Phenyl)-2-Thioxo-2,3-Dihydro-1<i>H</i>-Pyrido[2,3-<i>d</i>]Pyrimidin-4-One, a Classic Polymodal Inhibitor of Transient Receptor Potential Vanilloid Type 1 with a Reduced Liability for Hyperthermia, Is Analgesic and Ameliorates Visceral Hypersensitivity. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 389-398.	2.5	38
65	TRPA1 mediates the hypothermic action of acetaminophen. Scientific Reports, 2015, 5, 12771.	3.3	37
66	Antihyperalgesic activity of a novel nonpeptide bradykinin B1 receptor antagonist in transgenic mice expressing the human B1 receptor. British Journal of Pharmacology, 2005, 144, 889-899.	5.4	36
67	Selective internalization of sodium channels in rat dorsal root ganglion neurons infected with herpes simplex virus-1. Journal of Cell Biology, 2002, 158, 1251-1262.	5.2	33
68	Promiscuous G-Protein-Coupled Receptor Inhibition of Transient Receptor Potential Melastatin 3 Ion Channels by GÎ²Î³ Subunits. Journal of Neuroscience, 2019, 39, 7840-7852.	3.6	32
69	Modifications of Gait as Predictors of Natural Osteoarthritis Progression in STR/Ort Mice. Arthritis and Rheumatology, 2014, 66, 1832-1842.	5.6	25
70	A Novel Small Conductance Ca2+-activated K+ Channel Blocker from Oxyuranus scutellatusTaipan Venom. Journal of Biological Chemistry, 1997, 272, 19925-19930.	3.4	22
71	Structureâ€“Pungency Relationships and TRP Channel Activation of Drimane Sesquiterpenes in Tasmanian Pepper (<i>Tasmannia lanceolata</i>). Journal of Agricultural and Food Chemistry, 2017, 65, 5700-5712.	5.2	20
72	Expression of Functional Bradykinin Receptors in Xenopus Oocytes. Journal of Neurochemistry, 1992, 58, 243-249.	3.9	16

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73	Mechanisms Underlying the Scratching Behavior Induced by the Activation of Proteinase-Activated Receptor-4 in Mice. Journal of Investigative Dermatology, 2015, 135, 2484-2491.	0.7	16
74	The KINGS <i>Ins2</i>+/G32S Mouse: A Novel Model of Î²-Cell Endoplasmic Reticulum Stress and Human Diabetes. Diabetes, 2020, 69, 2667-2677.	0.6	16
75	Activation of transient receptor potential ankyrin 1 induces CGRP release from spinal cord synaptosomes. Pharmacology Research and Perspectives, 2015, 3, e00191.	2.4	15
76	An Analysis of Cell Membrane Noise. Annals of Statistics, 1979, 7, 237.	2.6	14
77	Impaired Nociception in the Diabetic <i>Ins2+/Akita</i> Mouse. Diabetes, 2018, 67, 1650-1662.	0.6	13
78	Disruption of the Sensory System Affects Sterile Cutaneous Inflammation InÂVivo. Journal of Investigative Dermatology, 2019, 139, 1936-1945.e3.	0.7	12
79	Chapter 12. Signal transduction in nociceptive afferent neurons in inflammatory conditions. Progress in Brain Research, 1996, 113, 201-213.	1.4	11
80	Modulation of sodium channels in primary afferent neurons. Novartis Foundation Symposium, 2002, 241, 144-53; discussion 153-8, 226-32.	1.1	9
81	Research Recommendations Following the Discovery of Pain Sensitizing IgG Autoantibodies in Fibromyalgia Syndrome. Pain Medicine, 2022, 23, 1084-1094.	1.9	4
82	Sulfated Progesterone Metabolites That Enhance Insulin Secretion via TRPM3 Are Reduced in Serum From Women With Gestational Diabetes Mellitus. Diabetes, 2022, 71, 837-852.	0.6	3
83	Capsaicin and pain mechanisms. , 1999, , 61-80.		2
84	Chapter 7 TRP Channels as Thermosensors. Current Topics in Membranes, 2006, 57, 199-239.	0.9	1
85	Vanilloid receptor 1 (VR1): an integrator of noxious and inflammatory stimuliâˆ—. Advances in Molecular and Cell Biology, 2004, 32, 331-350.	0.1	0
86	Mediadores inflamatorios y moduladores del dolor. , 2007, , 49-72.		0