

Christopher W Vaughan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

3,832
citations

35
h-index

61
g-index

81
ext. papers

4,240
ext. citations

7.1
avg, IF

5.4
L-index

#	Paper	IF	Citations
79	How opioids inhibit GABA-mediated neurotransmission. <i>Nature</i> , 1997 , 390, 611-4	50.4	405
78	Actions of the FAAH inhibitor URB597 in neuropathic and inflammatory chronic pain models. <i>British Journal of Pharmacology</i> , 2006 , 147, 281-8	8.6	219
77	Increase by the ORL1 receptor (opioid receptor-like1) ligand, nociceptin, of inwardly rectifying K conductance in dorsal raphe nucleus neurones. <i>British Journal of Pharmacology</i> , 1996 , 117, 1609-11	8.6	191
76	Nociceptin receptor coupling to a potassium conductance in rat locus coeruleus neurones in vitro. <i>British Journal of Pharmacology</i> , 1996 , 119, 1614-8	8.6	183
75	Actions of the ORL1 receptor ligand nociceptin on membrane properties of rat periaqueductal gray neurons in vitro. <i>Journal of Neuroscience</i> , 1997 , 17, 996-1003	6.6	162
74	muO-conotoxin MrVIB selectively blocks Nav1.8 sensory neuron specific sodium channels and chronic pain behavior without motor deficits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17030-5	11.5	161
73	Descending modulation of pain: the GABA disinhibition hypothesis of analgesia. <i>Current Opinion in Neurobiology</i> , 2014 , 29, 159-64	7.6	153
72	Enhanced opioid efficacy in opioid dependence is caused by an altered signal transduction pathway. <i>Journal of Neuroscience</i> , 1998 , 18, 10269-76	6.6	134
71	Capsaicin activation of glutamatergic synaptic transmission in the rat locus coeruleus in vitro. <i>Journal of Physiology</i> , 2002 , 543, 531-40	3.9	129
70	Cannabinoid receptor activation inhibits GABAergic neurotransmission in rostral ventromedial medulla neurons in vitro. <i>British Journal of Pharmacology</i> , 1999 , 127, 935-40	8.6	108
69	Rostral ventromedial medulla neurons that project to the spinal cord express multiple opioid receptor phenotypes. <i>Journal of Neuroscience</i> , 2002 , 22, 10847-55	6.6	82
68	Actions of N-arachidonyl-glycine in a rat neuropathic pain model. <i>Neuropharmacology</i> , 2008 , 54, 189-93	5.5	75
67	Cellular actions of opioids and other analgesics: implications for synergism in pain relief. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000 , 27, 520-3	3	67
66	Primary afferents with TRPM8 and TRPA1 profiles target distinct subpopulations of rat superficial dorsal horn neurones. <i>British Journal of Pharmacology</i> , 2009 , 157, 371-80	8.6	66
65	Modulation of GABA release during morphine withdrawal in midbrain neurons in vitro. <i>Neuropharmacology</i> , 2003 , 45, 575-84	5.5	65
64	Glutamate spillover modulates GABAergic synaptic transmission in the rat midbrain periaqueductal grey via metabotropic glutamate receptors and endocannabinoid signaling. <i>Journal of Neuroscience</i> , 2008 , 28, 808-15	6.6	63
63	GABA transporter currents activated by protein kinase A excite midbrain neurons during opioid withdrawal. <i>Neuron</i> , 2005 , 45, 433-45	13.9	63

62	Inhibition of fatty acid amide hydrolase unmasks CB1 receptor and TRPV1 channel-mediated modulation of glutamatergic synaptic transmission in midbrain periaqueductal grey. <i>British Journal of Pharmacology</i> , 2011 , 163, 1214-22	8.6	56
61	Cannabinoid actions on rat superficial medullary dorsal horn neurons in vitro. <i>Journal of Physiology</i> , 2001 , 534, 805-12	3.9	56
60	Opioids, NSAIDs and 5-lipoxygenase inhibitors act synergistically in brain via arachidonic acid metabolism. <i>Inflammation Research</i> , 1999 , 48, 1-4	7.2	56
59	Actions of N-arachidonyl-glycine in a rat inflammatory pain model. <i>Molecular Pain</i> , 2007 , 3, 24	3.4	55
58	Virtual Reality interventions for acute and chronic pain management. <i>International Journal of Biochemistry and Cell Biology</i> , 2019 , 114, 105568	5.6	52
57	Serotonergic and nonserotonergic dorsal raphe neurons are pharmacologically and electrophysiologically heterogeneous. <i>Journal of Neurophysiology</i> , 2004 , 92, 3532-7	3.2	51
56	The actions of anandamide on rat superficial medullary dorsal horn neurons in vitro. <i>Journal of Physiology</i> , 2003 , 548, 121-9	3.9	49
55	Cannabis constituent synergy in a mouse neuropathic pain model. <i>Pain</i> , 2017 , 158, 2452-2460	8	48
54	Role of 5-HT(1) receptor subtypes in the modulation of pain and synaptic transmission in rat spinal superficial dorsal horn. <i>British Journal of Pharmacology</i> , 2012 , 165, 1956-1965	8.6	46
53	Actions of nociceptin/orphanin FQ and other prepronociceptin products on rat rostral ventromedial medulla neurons in vitro. <i>Journal of Physiology</i> , 2001 , 534, 849-59	3.9	46
52	Actions of the dual FAAH/MAGL inhibitor JZL195 in a murine inflammatory pain model. <i>Neuropharmacology</i> , 2014 , 81, 224-30	5.5	42
51	Inhibition by adenosine receptor agonists of synaptic transmission in rat periaqueductal grey neurons. <i>Journal of Physiology</i> , 1999 , 516 (Pt 1), 219-25	3.9	41
50	Opioid and cannabinoid synergy in a mouse neuropathic pain model. <i>British Journal of Pharmacology</i> , 2016 , 173, 2521-31	8.6	40
49	Actions of the dual FAAH/MAGL inhibitor JZL195 in a murine neuropathic pain model. <i>British Journal of Pharmacology</i> , 2016 , 173, 77-87	8.6	40
48	Upregulation of α -adrenoceptors on cutaneous nerve fibres after partial sciatic nerve ligation and in complex regional pain syndrome type II. <i>Pain</i> , 2014 , 155, 606-616	8	39
47	N-arachidonyl-glycine modulates synaptic transmission in superficial dorsal horn. <i>British Journal of Pharmacology</i> , 2010 , 161, 925-35	8.6	39
46	Substance P drives endocannabinoid-mediated disinhibition in a midbrain descending analgesic pathway. <i>Journal of Neuroscience</i> , 2009 , 29, 7220-9	6.6	37
45	Presynaptic gating of excitation in the dorsal raphe nucleus by GABA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15800-5	11.5	35

44	Cholecystokinin exerts an effect via the endocannabinoid system to inhibit GABAergic transmission in midbrain periaqueductal gray. <i>Neuropsychopharmacology</i> , 2011 , 36, 1801-10	8.7	35
43	Nociceptin, Phe(1)psi-nociceptin(1 - 13), nocistatin and prepronociceptin(154 - 181) effects on calcium channel currents and a potassium current in rat locus coeruleus in vitro. <i>British Journal of Pharmacology</i> , 1999 , 128, 1779-87	8.6	35
42	Sumatriptan inhibits synaptic transmission in the rat midbrain periaqueductal grey. <i>Molecular Pain</i> , 2008 , 4, 54	3.4	34
41	Actions of the endocannabinoid transport inhibitor AM404 in neuropathic and inflammatory pain models. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007 , 34, 1186-90	3	33
40	Cellular actions of opioids on periaqueductal grey neurons from C57B16/J mice and mutant mice lacking MOR-1. <i>British Journal of Pharmacology</i> , 2003 , 139, 362-7	8.6	33
39	Multiple metabotropic glutamate receptor subtypes modulate GABAergic neurotransmission in rat periaqueductal grey neurons in vitro. <i>Neuropharmacology</i> , 2004 , 46, 927-34	5.5	32
38	Menthol enhances phasic and tonic GABAA receptor-mediated currents in midbrain periaqueductal grey neurons. <i>British Journal of Pharmacology</i> , 2014 , 171, 2803-13	8.6	30
37	Muscarinic modulation of synaptic transmission via endocannabinoid signalling in the rat midbrain periaqueductal gray. <i>Molecular Pharmacology</i> , 2008 , 74, 1392-8	4.3	29
36	Postsynaptic actions of substance P on rat periaqueductal grey neurons in vitro. <i>Neuropharmacology</i> , 2005 , 49, 587-95	5.5	29
35	THC and gabapentin interactions in a mouse neuropathic pain model. <i>Neuropharmacology</i> , 2019 , 144, 115-121	5.5	27
34	Opioid receptor modulation of GABAergic and serotonergic spinally projecting neurons of the rostral ventromedial medulla in mice. <i>Journal of Neurophysiology</i> , 2011 , 106, 731-40	3.2	25
33	A new mouse line with reduced GluA2 Q/R site RNA editing exhibits loss of dendritic spines, hippocampal CA1-neuron loss, learning and memory impairments and NMDA receptor-independent seizure vulnerability. <i>Molecular Brain</i> , 2020 , 13, 27	4.5	23
32	Cellular actions of somatostatin on rat periaqueductal grey neurons in vitro. <i>British Journal of Pharmacology</i> , 2004 , 142, 1273-80	8.6	22
31	Spinal actions of β -conotoxins, CVID, MVIIA and related peptides in a rat neuropathic pain model. <i>British Journal of Pharmacology</i> , 2013 , 170, 245-54	8.6	21
30	Hypogastric nerve activity to the feline bladder during slow filling. <i>Journal of the Autonomic Nervous System</i> , 1988 , 25, 41-7		21
29	Effect of the cannabinoid ajulemic acid on rat models of neuropathic and inflammatory pain. <i>Neuroscience Letters</i> , 2005 , 382, 231-5	3.3	20
28	Chronic morphine reduces the readily releasable pool of GABA, a presynaptic mechanism of opioid tolerance. <i>Journal of Physiology</i> , 2017 , 595, 6541-6555	3.9	19
27	Stressed-out endogenous cannabinoids relieve pain. <i>Trends in Pharmacological Sciences</i> , 2006 , 27, 69-71	13.2	17

26	Targeting the endogenous cannabinoid system to treat neuropathic pain. <i>Frontiers in Pharmacology</i> , 2014 , 5, 28	5.6	15
25	Endocannabinoid modulation by FAAH and monoacylglycerol lipase within the analgesic circuitry of the periaqueductal grey. <i>British Journal of Pharmacology</i> , 2014 , 171, 5225-36	8.6	15
24	The tarantula toxin α -TRTX-Pre1a highlights the importance of the S1-S2 voltage-sensor region for sodium channel subtype selectivity. <i>Scientific Reports</i> , 2017 , 7, 974	4.9	14
23	Endocannabinoids control vesicle release mode at midbrain periaqueductal grey inhibitory synapses. <i>Journal of Physiology</i> , 2017 , 595, 165-178	3.9	11
22	delta-opioid receptor-mediated actions on rostral ventromedial medulla neurons. <i>Neuroscience</i> , 2005 , 132, 239-44	3.9	11
21	Opioid presynaptic disinhibition of the midbrain periaqueductal grey descending analgesic pathway. <i>British Journal of Pharmacology</i> , 2020 , 177, 2320-2332	8.6	10
20	Dissociation of μ and δ opioid inhibition of glutamatergic synaptic transmission in superficial dorsal horn. <i>Molecular Pain</i> , 2010 , 6, 71	3.4	10
19	Postsynaptic mGluR mediated excitation of neurons in midbrain periaqueductal grey. <i>Neuropharmacology</i> , 2013 , 66, 348-54	5.5	8
18	An analgesic role for cannabinoids. <i>Medical Journal of Australia</i> , 2000 , 173, 270-2	4	8
17	Rate of bladder distension and hypogastric nerve activity in the cat. <i>Journal of the Autonomic Nervous System</i> , 1991 , 34, 129-37		8
16	Electrophysiological Actions of N/OFQ. <i>Handbook of Experimental Pharmacology</i> , 2019 , 254, 91-130	3.2	7
15	Plant-Based Cannabinoids for the Treatment of Chronic Neuropathic Pain. <i>Medicines (Basel, Switzerland)</i> , 2018 , 5,	4.1	7
14	Hypogastric nerve section reveals a role for both afferent and efferent fibres in the feline continence process. <i>Journal of the Autonomic Nervous System</i> , 1992 , 41, 197-207		6
13	Serotonergic modulation of neuronal activity in rat midbrain periaqueductal gray. <i>Journal of Neurophysiology</i> , 2013 , 109, 2712-9	3.2	4
12	Oral efficacy of (Δ^9)-tetrahydrocannabinol and cannabidiol in a mouse neuropathic pain model. <i>Neuropharmacology</i> , 2021 , 189, 108529	5.5	4
11	Mechanisms of endocannabinoid control of synaptic plasticity. <i>Neuropharmacology</i> , 2021 , 197, 108736	5.5	4
10	Nordihydroguaiaretic acid activates hTRPA1 and modulates behavioral responses to noxious cold in mice. <i>Pharmacology Research and Perspectives</i> , 2014 , 2, e00079	3.1	3
9	Developmental changes in the alpha-adrenergic responses of rat periaqueductal grey neurons. <i>NeuroReport</i> , 2003 , 14, 1637-9	1.7	3

8	Endogenous cannabinoid modulation of restraint stress-induced analgesia in thermal nociception. <i>Journal of Neurochemistry</i> , 2020 , 152, 92-102	6	3
7	Humanizing mice: catching up with elusive B1 receptors. <i>British Journal of Pharmacology</i> , 2005 , 144, 885-896	6	2
6	Gender, bladder distension and hypogastric nerve activity in the cat. <i>Journal of the Autonomic Nervous System</i> , 1994 , 47, 59-67		2
5	The anticonvulsant zonisamide positively modulates recombinant and native glycine receptors at clinically relevant concentrations. <i>Neuropharmacology</i> , 2021 , 182, 108371	5.5	2
4	Inflammation induces developmentally regulated sumatriptan inhibition of spinal synaptic transmission. <i>British Journal of Pharmacology</i> , 2020 , 177, 3730-3743	8.6	1
3	Correction to: Electrophysiological Actions of N/OFQ. <i>Handbook of Experimental Pharmacology</i> , 2019 , 254, 417		3.2
2	Decreased neural expression of the noradrenaline transporter in the papillary dermis after partial sciatic nerve lesion. <i>Journal of Chemical Neuroanatomy</i> , 2020 , 107, 101806		3.2
1	CHARACTERIZATION OF SYNTHETIC IRCINIANIN ANALOGUES AS POTENT AND SELECTIVE MODULATORS OF β GLYCINE RECEPTOR. <i>FASEB Journal</i> , 2015 , 29, 770.6		0.9