William F Colmers

List of Publications by Year
in descending order

65 papers	6,253 citations	101543 36 h-index	128289 60 g-index
99 all docs	99 docs citations	99 times ranked	5700 citing authors

#	Article	IF	Citations
1	Longâ€Lived Organotypic Slice Culture Model of the Rat Basolateral Amygdala. Current Protocols, 2021, 1, e267.	2.9	3
2	Contribution of NPY Y₅Receptors to the Reversible Structural Remodeling of Basolateral Amygdala Dendrites in Male Rats Associated with NPY-Mediated Stress Resilience. Journal of Neuroscience, 2020, 40, 3231-3249.	3.6	9
3	Integration of energy homeostasis and stress by parvocellular neurons in rat hypothalamic paraventricular nucleus. Journal of Physiology, 2020, 598, 1073-1092.	2.9	6
4	Convergent neuronal projections from paraventricular nucleus, parabrachial nucleus, and brainstem onto gastrocnemius muscle, white and brown adipose tissue in male rats. Journal of Comparative Neurology, 2019, 527, 2826-2842.	1.6	14
5	NPY₂ Receptors Reduce Tonic Action Potential-Independent GABA_B Currents in the Basolateral Amygdala. Journal of Neuroscience, 2019, 39, 4909-4930.	3.6	17
6	NPY Induces Stress Resilience via Downregulation ofI_hin Principal Neurons of Rat Basolateral Amygdala. Journal of Neuroscience, 2018, 38, 4505-4520.	3.6	26
7	Magel2â€null mice are hyperâ€responsive to setmelanotide, a melanocortin 4 receptor agonist. British Journal of Pharmacology, 2016, 173, 2614-2621.	5.4	26
8	The Gâ€protein biased partial Îº opioid receptor agonist 6â€²â€²GNTI blocks hippocampal paroxysmal discharges without inducing aversion. British Journal of Pharmacology, 2016, 173, 1756-1767.	5.4	26
9	Progressive postnatal decline in leptin sensitivity of arcuate hypothalamic neurons in theMagel2-null mouse model of Praderâ€“Willi syndrome. Human Molecular Genetics, 2015, 24, 4276-4283.	2.9	37
10	Defense of Elevated Body Weight Setpoint in Diet-Induced Obese Rats on Low Energy Diet Is Mediated by Loss of Melanocortin Sensitivity in the Paraventricular Hypothalamic Nucleus. PLoS ONE, 2015, 10, e0139462.	2.5	9
11	Modulation of Distal Calcium Electrogenesis by Neuropeptide Y1 Receptors Inhibits Neocortical Long-Term Depression. Journal of Neuroscience, 2013, 33, 11184-11193.	3.6	10
12	Magel2 Is Required for Leptin-Mediated Depolarization of POMC Neurons in the Hypothalamic Arcuate Nucleus in Mice. PLoS Genetics, 2013, 9, e1003207.	3.5	60
13	Leptin signaling defects in a mouse model of Prader-Willi syndrome. Rare Diseases (Austin, Tex), 2013, 1, e24421.	1.8	8
14	Long-term actions of BDNF on inhibitory synaptic transmission in identified neurons of the rat substantia gelatinosa. Journal of Neurophysiology, 2012, 108, 441-452.	1.8	16
15	Defined Medium Organotypic Cultures of Spinal Cord Put â€˜Pain in a Dishâ€™. Neuromethods, 2012, , 405-436.	0.3	12
16	Glucosensing in parvocellular neurons of the rat hypothalamic paraventricular nucleus. European Journal of Neuroscience, 2011, 34, 272-282.	2.6	42
17	Nociceptin/orphanin FQ suppresses the excitability of neurons in the ventromedial nucleus of the hypothalamus. Journal of Physiology, 2011, 589, 3103-3114.	2.9	29
18	The role of NPY in hypothalamic mediated food intake. Frontiers in Neuroendocrinology, 2011, 32, 398-415.	5.2	155

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19	Central nervous system inflammation induces muscle atrophy via activation of the hypothalamicâ€“pituitaryâ€“adrenal axis. Journal of Experimental Medicine, 2011, 208, 2449-2463.	8.5	162
20	Dopamine modulates synaptic plasticity in dendrites of rat and human dentate granule cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18185-18190.	7.1	81
21	Neuropeptide Y Suppresses Anorexigenic Output from the Ventromedial Nucleus of the Hypothalamus. Journal of Neuroscience, 2010, 30, 3380-3390.	3.6	61
22	Countervailing Modulation ofI_hby Neuropeptide Y and Corticotrophin-Releasing Factor in Basolateral Amygdala As a Possible Mechanism for Their Effects on Stress-Related Behaviors. Journal of Neuroscience, 2010, 30, 16970-16982.	3.6	93
23	The Skinny on Adiponectin. Endocrinology, 2009, 150, 559-560.	2.8	0
24	Neuropeptide Y and gamma-melanocyte stimulating hormone (Î³-MSH) share a common pressor mechanism of action. Endocrine, 2009, 35, 312-324.	2.3	6
25	Brainâ€derived neurotrophic factor drives the changes in excitatory synaptic transmission in the rat superficial dorsal horn that follow sciatic nerve injury. Journal of Physiology, 2009, 587, 1013-1032.	2.9	104
26	Y eat?. Nutrition, 2008, 24, 869-877.	2.4	66
27	Absolute Threshold. , 2008, , 3-3.		0
28	The Third Intracellular Loop Stabilizes the Inactive State of the Neuropeptide Y1 Receptor. Journal of Biological Chemistry, 2008, 283, 33337-33346.	3.4	32
29	Less fat with nesfatin. Trends in Endocrinology and Metabolism, 2007, 18, 131-132.	7.1	16
30	Developmental Switch in Neuropeptide Y and Melanocortin Effects in the Paraventricular Nucleus of the Hypothalamus. Neuron, 2007, 56, 1103-1115.	8.1	71
31	Neuropeptide Y in the dentate gyrus. Progress in Brain Research, 2007, 163, 285-297.	1.4	109
32	Serotonin Activates the Hypothalamic-Pituitary-Adrenal Axis via Serotonin 2C Receptor Stimulation. Journal of Neuroscience, 2007, 27, 6956-6964.	3.6	243
33	Neuron typeâ€specific effects of brainâ€derived neurotrophic factor in rat superficial dorsal horn and their relevance to â€˜central sensitizationâ€™. Journal of Physiology, 2007, 584, 543-563.	2.9	65
34	Substantia Gelatinosa neurons in defined-medium organotypic slice culture are similar to those in acute slices from young adult rats. Pain, 2006, 121, 261-275.	4.2	38
35	What Makes People Fat? View from the Chair. Obesity, 2006, 14, 190S-191S.	3.0	0
36	The antiâ€epileptic actions of neuropeptide Y in the hippocampus are mediated by Y₂ and not Y₅ receptors. European Journal of Neuroscience, 2005, 22, 1417-1430.	2.6	114

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37	PYY3â€“36 inhibits the action potential firing activity of POMC neurons of arcuate nucleus through postsynaptic Y2 receptors. Cell Metabolism, 2005, 2, 191-199.	16.2	59
38	NPY presynaptic actions are reduced in the hypothalamic mpPVN of obese (fa/fa), but not lean, Zucker rats in vitro. British Journal of Pharmacology, 2004, 141, 1032-1036.	5.4	8
39	Extratemporal resection for childhood epilepsy. Pediatric Neurology, 2004, 30, 177-185.	2.1	49
40	Opioid-Like Actions of Neuropeptide Y in Rat Substantia Gelatinosa: Y1 Suppression of Inhibition and Y2 Suppression of Excitation. Journal of Neurophysiology, 2004, 92, 3266-3275.	1.8	58
41	Neuropeptide Y and Epilepsy. Epilepsy Currents, 2003, 3, 53-58.	0.8	86
42	Pediatric epilepsy surgery at the University of Alberta: 1988-2000. Pediatric Neurology, 2003, 29, 302-311.	2.1	49
43	The Distribution and Mechanism of Action of Ghrelin in the CNS Demonstrates a Novel Hypothalamic Circuit Regulating Energy Homeostasis. Neuron, 2003, 37, 649-661.	8.1	1,465
44	Multiple NPY Receptors Inhibit GABAA Synaptic Responses of Rat Medial Parvocellular Effector Neurons in the Hypothalamic Paraventricular Nucleus. Endocrinology, 2002, 143, 535-543.	2.8	55
45	ATP-Inhibition of M Current in Frog Sympathetic Neurons Involves Phospholipase C But Not Ins P3, Ca2+, PKC, orRas. Journal of Neurophysiology, 2002, 88, 277-288.	1.8	26
46	Blockade of neuropeptide Y₂ receptors and suppression of NPY's antiâ€epileptic actions in the rat hippocampal slice by BIIE0246. British Journal of Pharmacology, 2002, 136, 502-509.	5.4	47
47	Neuropeptide Y5 Receptors Reduce Synaptic Excitation in Proximal Subiculum, But Not Epileptiform Activity in Rat Hippocampal Slices. Journal of Neurophysiology, 2000, 83, 723-734.	1.8	49
48	Integration of NPY, AGRP, and Melanocortin Signals in the Hypothalamic Paraventricular Nucleus. Neuron, 1999, 24, 155-163.	8.1	569
49	Neuropeptide Y: emerging evidence for a functional role in seizure modulation. Trends in Neurosciences, 1999, 22, 25-30.	8.6	451
50	Changes in Mitochondrial Function Resulting from Synaptic Activity in the Rat Hippocampal Slice. Journal of Neuroscience, 1998, 18, 4570-4587.	3.6	107
51	Neuropeptide Y Suppresses Epileptiform Activity in Rat Hippocampus In Vitro. Journal of Neurophysiology, 1997, 78, 1651-1661.	1.8	153
52	Inhibition of Synaptic Transmission by Neuropeptide Y in Rat Hippocampal Area CA1: Modulation of Presynaptic Ca²⁺Entry. Journal of Neuroscience, 1997, 17, 8169-8177.	3.6	199
53	Effects of neuropeptide Y on the electrical properties of neurons. Trends in Neurosciences, 1994, 17, 373-379.	8.6	242
54	On the sites of presynaptic inhibition by neuropeptide y in rat hippocampusin vitro. Hippocampus, 1993, 3, 103-111.	1.9	127

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55	Mechanism of presynaptic inhibition by neuropeptide Y at sympathetic nerve terminals. Nature, 1993, 364, 635-639.	27.8	153
56	Actions of Neuropeptide Y on the Electrophysiological Properties of Nerve Cells. , 1993, , 241-272.		4
57	Presynaptic Inhibition Mediated by Neuropeptide Y in the Mammalian CNS: Possible Physiological Implications. , 1993, , 87-103.		0
58	Investigations into neuropeptide Yâ€mediated presynaptic inhibition in cultured hippocampal neurones of the rat. British Journal of Pharmacology, 1992, 107, 334-340.	5.4	63
59	4â€Aminopyridine and low Ca²⁺ differentiate presynaptic inhibition mediated by neuropeptide Y, baclofen and 2â€chloroadenosine in rat hippocampal CA1 in vitro. British Journal of Pharmacology, 1992, 105, 470-474.	5.4	61
60	Presynaptic inhibition by neuropeptide Y in rat hippocampal slice in vitro is mediated by a Y₂ receptor. British Journal of Pharmacology, 1991, 102, 41-44.	5.4	174
61	Modulation of Synaptic Tranmission in Hippocampus by Neuropeptide Y: Presynaptic Actions. Annals of the New York Academy of Sciences, 1990, 611, 206-218.	3.8	33
62	Pertussis toxin pretreatment discriminates between pre- and postsynaptic actions of baclofen in rat dorsal raphe nucleus in vitro. Neuroscience Letters, 1988, 93, 300-306.	2.1	64
63	Neuropeptide Y reduces orthodromically evoked population spike in rat hippocampal CA1 by a possibly presynaptic mechanism. Brain Research, 1985, 346, 404-408.	2.2	90
64	?Spinner? cephalopods: defects of statocyst suprastructures in an invertebrate analogue of the vestibular apparatus. Cell and Tissue Research, 1984, 236, 505-15.	2.9	22
65	Afferent synaptic connections between hair cells and the somata of intramacular neurons in the gravity receptor system of the statocyst of octopus vulgaris. Journal of Comparative Neurology, 1981, 197, 385-394.	1.6	23