

Kathryn G Commons

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Rodent Forced Swim Test Measures Stress-Coping Strategy, Not Depression-like Behavior. <i>ACS Chemical Neuroscience</i> , 2017, 8, 955-960.	3.5	345
2	A Neurochemically Distinct Dorsal Raphe-Limbic Circuit with a Potential Role in Affective Disorders. <i>Neuropsychopharmacology</i> , 2003, 28, 206-215.	5.4	187
3	Embracing diversity in the 5-HT neuronal system. <i>Nature Reviews Neuroscience</i> , 2019, 20, 397-424.	10.2	186
4	Circuitry Underlying Regulation of the Serotonergic System by Swim Stress. <i>Journal of Neuroscience</i> , 2003, 23, 970-977.	3.6	181
5	Projections and interconnections of genetically defined serotonin neurons in mice. <i>European Journal of Neuroscience</i> , 2012, 35, 85-96.	2.6	149
6	Morphine-enhanced apoptosis in selective brain regions of neonatal rats. <i>International Journal of Developmental Neuroscience</i> , 2013, 31, 258-266.	1.6	94
7	Glutamatergic drive of the dorsal raphe nucleus. <i>Journal of Chemical Neuroanatomy</i> , 2011, 41, 247-255.	2.1	77
8	Frequent colocalization of mu opioid and NMDA-type glutamate receptors at postsynaptic sites in periaqueductal gray neurons. <i>Journal of Comparative Neurology</i> , 1999, 408, 549-559.	1.6	76
9	Cellular basis for the effects of substance P in the periaqueductal gray and dorsal raphe nucleus. <i>Journal of Comparative Neurology</i> , 2002, 447, 82-97.	1.6	74
10	Failed heart rate recovery at a critical age in 5-HT-deficient mice exposed to episodic anoxia: implications for SIDS. <i>Journal of Applied Physiology</i> , 2011, 111, 825-833.	2.5	74
11	Presynaptic and postsynaptic relations of δ -opioid receptors to γ -aminobutyric acid-immunoreactive and medullary-projecting periaqueductal gray neurons. <i>Journal of Comparative Neurology</i> , 2000, 419, 532-542.	1.6	65
12	Neuronal pathways linking substance P to drug addiction and stress. <i>Brain Research</i> , 2010, 1314, 175-182.	2.2	64
13	Translocation of presynaptic delta opioid receptors in the ventrolateral periaqueductal gray after swim stress. <i>Journal of Comparative Neurology</i> , 2003, 464, 197-207.	1.6	61
14	Substance P Acts through Local Circuits within the Rat Dorsal Raphe Nucleus to Alter Serotonergic Neuronal Activity. <i>Journal of Neuroscience</i> , 2003, 23, 7155-7159.	3.6	60
15	Forebrain GABAergic projections from the dorsal raphe nucleus identified by using GAD67 ^{Cre} /GFP knock-in mice. <i>Journal of Comparative Neurology</i> , 2012, 520, 4157-4167.	1.6	59
16	Ascending serotonin neuron diversity under two umbrellas. <i>Brain Structure and Function</i> , 2016, 221, 3347-3360.	2.3	58
17	Cellular and subcellular localization of δ opioid receptor immunoreactivity in the rat dentate gyrus. <i>Brain Research</i> , 1996, 738, 181-195.	2.2	57
18	Localization of delta opioid receptor immunoreactivity in interneurons and pyramidal cells in the rat hippocampus. <i>Journal of Comparative Neurology</i> , 1997, 381, 373-387.	1.6	55

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19	Locally collateralizing glutamate neurons in the dorsal raphe nucleus responsive to substance P contain vesicular glutamate transporter 3 (VGLUT3). <i>Journal of Chemical Neuroanatomy</i> , 2009, 38, 273-281.	2.1	53
20	Ultrastructural heterogeneity of enkephalin-containing terminals in the rat hippocampal formation. <i>Journal of Comparative Neurology</i> , 1995, 358, 324-342.	1.6	50
21	Two major network domains in the dorsal raphe nucleus. <i>Journal of Comparative Neurology</i> , 2015, 523, 1488-1504.	1.6	45
22	The Dorsal Raphe Nucleus as a Site of Action of the Antinociceptive and Behavioral Effects of the $\alpha 4$ Nicotinic Receptor Agonist Epibatidine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 389-394.	2.5	42
23	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, 15800-15805.	7.1	42
24	Evidence for topographically organized endogenous 5-HT _{1A} receptor-dependent feedback inhibition of the ascending serotonin system. <i>European Journal of Neuroscience</i> , 2008, 27, 2611-2618.	2.6	40
25	Serotonin neuron abnormalities in the BTBR mouse model of autism. <i>Autism Research</i> , 2017, 10, 66-77.	3.8	39
26	Anatomical evidence for presynaptic modulation by the delta opioid receptor in the ventrolateral periaqueductal gray of the rat. <i>Journal of Comparative Neurology</i> , 2001, 430, 200-208.	1.6	36
27	Alpha 4 nicotinic acetylcholine receptor subunit links cholinergic to brainstem monoaminergic neurotransmission. <i>Synapse</i> , 2003, 49, 195-205.	1.2	36
28	Unraveling the architecture of the dorsal raphe synaptic neuropil using high-resolution neuroanatomy. <i>Frontiers in Neural Circuits</i> , 2014, 8, 105.	2.8	35
29	Two populations of glutamatergic axons in the rat dorsal raphe nucleus defined by the vesicular glutamate transporters 1 and 2. <i>European Journal of Neuroscience</i> , 2005, 21, 1577-1586.	2.6	33
30	Ultrastructural relationships between leu-enkephalin- and GABA-containing neurons differ within the hippocampal formation. <i>Brain Research</i> , 1996, 724, 1-15.	2.2	31
31	Quantitative analysis of glutamatergic innervation of the mouse dorsal raphe nucleus using array tomography. <i>Journal of Comparative Neurology</i> , 2011, 519, 3802-3814.	1.6	31
32	Shifting topographic activation and 5-HT _{1A} receptor-mediated inhibition of dorsal raphe serotonin neurons produced by nicotine exposure and withdrawal. <i>European Journal of Neuroscience</i> , 2011, 33, 1866-1875.	2.6	27
33	Dual Effects of 5-HT _{1A} Receptor Activation on Breathing in Neonatal Mice. <i>Journal of Neuroscience</i> , 2014, 34, 51-59.	3.6	27
34	In the ventromedial nucleus of the rat hypothalamus, GABA-immunolabeled neurons are abundant and are innervated by both enkephalin- and GABA-immunolabeled axon terminals. <i>Brain Research</i> , 1999, 816, 58-67.	2.2	26
35	Caffeine improves the ability of serotonin-deficient (Pet-1 ^{-/-}) mice to survive episodic asphyxia. <i>Pediatric Research</i> , 2013, 73, 38-45.	2.3	20
36	Endogenous Cholinergic Neurotransmission Contributes to Behavioral Sensitization to Morphine. <i>PLoS ONE</i> , 2015, 10, e0117601.	2.5	20

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37	Delayed Antidepressant Efficacy and the Desensitization Hypothesis. ACS Chemical Neuroscience, 2019, 10, 3048-3052.	3.5	19
38	Eliminating medullary 5-HT neurons delays arousal and decreases the respiratory response to repeated episodes of hypoxia in neonatal rat pups. Journal of Applied Physiology, 2016, 120, 514-525.	2.5	17
39	The locus coeruleus nucleus as a site of action of the antinociceptive and behavioral effects of the nicotinic receptor agonist, epibatidine. Neuropharmacology, 2006, 50, 769-776.	4.1	16
40	16p11.2 deletion syndrome mice perseverate with active coping response to acute stress "rescue" by blocking 5-HT _{2A} receptors. Journal of Neurochemistry, 2017, 143, 708-721.	3.9	16
41	Patterned expression of ion channel genes in mouse dorsal raphe nucleus determined with the Allen Mouse Brain Atlas. Brain Research, 2012, 1457, 1-12.	2.2	15
42	Enhanced 5-HT _{1A} receptor-dependent feedback control over dorsal raphe serotonin neurons in the SERT knockout mouse. Neuropharmacology, 2015, 89, 185-192.	4.1	15
43	Organization of endogenous opioids in the rostral agranular insular cortex of the rat. Journal of Comparative Neurology, 2007, 500, 530-541.	1.6	14
44	Altered Cav1.2 function in the Timothy syndrome mouse model produces ascending serotonergic abnormalities. European Journal of Neuroscience, 2017, 46, 2416-2425.	2.6	11
45	Evidence for intact 5-HT _{1A} receptor-mediated feedback inhibition following sustained antidepressant treatment in a rat model of depression. Neuropharmacology, 2018, 141, 139-147.	4.1	11
46	Cav1.2 L-type calcium channels regulate stress coping behavior via serotonin neurons. Neuropharmacology, 2019, 144, 282-290.	4.1	11
47	Dorsal raphe organization. Journal of Chemical Neuroanatomy, 2020, 110, 101868.	2.1	11
48	A 5-HT _{1D} receptor agonist protects Dravet syndrome mice from seizure and early death. European Journal of Neuroscience, 2020, 52, 4370-4374.	2.6	11
49	Introduction. Journal of Chemical Neuroanatomy, 2011, 41, 181.	2.1	8
50	Development of brainstem 5-HT _{1A} receptor binding sites in serotonin-deficient mice. Journal of Neurochemistry, 2013, 126, 749-757.	3.9	8
51	Serotonin abnormalities in Dravet syndrome mice before and after the age of seizure onset. Brain Research, 2019, 1724, 146399.	2.2	7
52	Serotonin system function, organization, and feedback. Handbook of Behavioral Neuroscience, 2020, 31, 41-48.	0.7	4
53	Prenatal intermittent hypoxia sensitizes the laryngeal chemoreflex, blocks serotonergic shortening of the reflex, and reduces 5-HT ₃ receptor binding in the NTS in anesthetized rat pups. Experimental Neurology, 2020, 326, 113166.	4.1	3
54	What Gene Mutations Affect Serotonin in Mice?. ACS Chemical Neuroscience, 2017, 8, 987-995.	3.5	2

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55	The mouse dorsal raphe nucleus as understood by temporal <i>Fgf8</i> lineage analysis. Journal of Comparative Neurology, 2021, 529, 2042-2054.	1.6	1
56	Rat pups from dams fed a partial tryptophan-deficient diet exhibit a decreased ventilatory response to hypercapnia and slower heart rates. FASEB Journal, 2009, 23, 1009.9.	0.5	0