# Kathryn G Commons

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 2,755 citations | 159585 30 h-index | 182427 51 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 3028 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Prenatal intermittent hypoxia sensitizes the laryngeal chemoreflex, blocks serotoninergic shortening of the reflex, and reduces 5-HT3 receptor binding in the NTS in anesthetized rat pups. Experimental Neurology, 2020, 326, 113166. | 4.1 | 3 |
| 3 | Dorsal raphe organization. Journal of Chemical Neuroanatomy, 2020, 110, 101868. | 2.1 | 11 |
| 4 | A 5â€HT<sub>1D</sub>â€receptor agonist protects Dravet syndrome mice from seizure and early death. European Journal of Neuroscience, 2020, 52, 4370-4374. | 2.6 | 11 |
| 5 | Serotonin system function, organization, and feedback. Handbook of Behavioral Neuroscience, 2020, 31, 41-48. | 0.7 | 4 |
| 6 | Serotonin abnormalities in Dravet syndrome mice before and after the age of seizure onset. Brain Research, 2019, 1724, 146399. | 2.2 | 7 |
| 7 | Delayed Antidepressant Efficacy and the Desensitization Hypothesis. ACS Chemical Neuroscience, 2019, 10, 3048-3052. | 3.5 | 19 |
| 8 | Embracing diversity in the 5-HT neuronal system. Nature Reviews Neuroscience, 2019, 20, 397-424. | 10.2 | 186 |
| 9 | Cav1.2â€¯L-type calcium channels regulate stress coping behavior via serotonin neurons. Neuropharmacology, 2019, 144, 282-290. | 4.1 | 11 |
| 10 | Evidence for intact 5-HT1A receptor-mediated feedback inhibition following sustained antidepressant treatment in a rat model of depression. Neuropharmacology, 2018, 141, 139-147. | 4.1 | 11 |
| 11 | What Gene Mutations Affect Serotonin in Mice?. ACS Chemical Neuroscience, 2017, 8, 987-995. | 3.5 | 2 |
| 12 | The Rodent Forced Swim Test Measures Stress-Coping Strategy, Not Depression-like Behavior. ACS Chemical Neuroscience, 2017, 8, 955-960. | 3.5 | 345 |
| 13 | 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 |
| 14 | 16p11.2 deletion syndrome mice perseverate with active coping response to acute stress â€“ rescue by blocking 5â€<scp>HT</scp>2A receptors. Journal of Neurochemistry, 2017, 143, 708-721. | 3.9 | 16 |
| 15 | Serotonin neuron abnormalities in the BTBR mouse model of autism. Autism Research, 2017, 10, 66-77. | 3.8 | 39 |
| 16 | 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 |
| 17 | Ascending serotonin neuron diversity under two umbrellas. Brain Structure and Function, 2016, 221, 3347-3360. | 2.3 | 58 |
| 18 | Two major network domains in the dorsal raphe nucleus. Journal of Comparative Neurology, 2015, 523, 1488-1504. | 1.6 | 45 |

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| 19 | Enhanced 5-HT1A receptor-dependent feedback control over dorsal raphe serotonin neurons in the SERT knockout mouse. Neuropharmacology, 2015, 89, 185-192. | 4.1 | 15 |
| 20 | Endogenous Cholinergic Neurotransmission Contributes to Behavioral Sensitization to Morphine. PLoS ONE, 2015, 10, e0117601. | 2.5 | 20 |
| 21 | Unraveling the architecture of the dorsal raphe synaptic neuropil using high-resolution neuroanatomy. Frontiers in Neural Circuits, 2014, 8, 105. | 2.8 | 35 |
| 22 | Dual Effects of 5-HT<sub>1a</sub>Receptor Activation on Breathing in Neonatal Mice. Journal of Neuroscience, 2014, 34, 51-59. | 3.6 | 27 |
| 23 | Development of brainstem 5â€<scp>HT</scp><sub>1A</sub> receptorâ€binding sites in serotoninâ€deficient mice. Journal of Neurochemistry, 2013, 126, 749-757. | 3.9 | 8 |
| 24 | Morphineâ€enhanced apoptosis in selective brain regions of neonatal rats. International Journal of Developmental Neuroscience, 2013, 31, 258-266. | 1.6 | 94 |
| 25 | Caffeine improves the ability of serotonin-deficient (Pet-1â^'/â^') mice to survive episodic asphyxia. Pediatric Research, 2013, 73, 38-45. | 2.3 | 20 |
| 26 | Presynaptic gating of excitation in the dorsal raphe nucleus by GABA. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15800-15805. | 7.1 | 42 |
| 27 | Forebrain GABAergic projections from the dorsal raphe nucleus identified by using GAD67â€"GFP knockâ€in mice. Journal of Comparative Neurology, 2012, 520, 4157-4167. | 1.6 | 59 |
| 28 | Projections and interconnections of genetically defined serotonin neurons in mice. European Journal of Neuroscience, 2012, 35, 85-96. | 2.6 | 149 |
| 29 | 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 |
| 30 | Glutamatergic drive of the dorsal raphe nucleus. Journal of Chemical Neuroanatomy, 2011, 41, 247-255. | 2.1 | 77 |
| 31 | Introduction. Journal of Chemical Neuroanatomy, 2011, 41, 181. | 2.1 | 8 |
| 32 | Shifting topographic activation and 5-HT1A receptor-mediated inhibition of dorsal raphe serotonin neurons produced by nicotine exposure and withdrawal. European Journal of Neuroscience, 2011, 33, 1866-1875. | 2.6 | 27 |
| 33 | Quantitative analysis of glutamatergic innervation of the mouse dorsal raphe nucleus using array tomography. Journal of Comparative Neurology, 2011, 519, 3802-3814. | 1.6 | 31 |
| 34 | Failed heart rate recovery at a critical age in 5-HT-deficient mice exposed to episodic anoxia: implications for SIDS. Journal of Applied Physiology, 2011, 111, 825-833. | 2.5 | 74 |
| 35 | Neuronal pathways linking substance P to drug addiction and stress. Brain Research, 2010, 1314, 175-182. | 2.2 | 64 |
| 36 | Locally collateralizing glutamate neurons in the dorsal raphe nucleus responsive to substance P contain vesicular glutamate transporter 3 (VGLUT3). Journal of Chemical Neuroanatomy, 2009, 38, 273-281. | 2.1 | 53 |

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| 37 | Rat pups from dams fed a partial tryptophanâ€deficient diet exhibit a decreased ventilatory response to hypercapnia and slower heart rates. FASEB Journal, 2009, 23, 1009.9. | 0.5 | 0 |
| 38 | Evidence for topographically organized endogenous 5â€HTâ€1A receptorâ€dependent feedback inhibition of the ascending serotonin system. European Journal of Neuroscience, 2008, 27, 2611-2618. | 2.6 | 40 |
| 39 | Organization of endogenous opioids in the rostral agranular insular cortex of the rat. Journal of Comparative Neurology, 2007, 500, 530-541. | 1.6 | 14 |
| 40 | 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 |
| 41 | Two populations of glutamatergic axons in the rat dorsal raphe nucleus defined by the vesicular glutamate transporters 1 and 2. European Journal of Neuroscience, 2005, 21, 1577-1586. | 2.6 | 33 |
| 42 | The Dorsal Raphe Nucleus as a Site of Action of the Antinociceptive and Behavioral Effects of the Î±4 Nicotinic Receptor Agonist Epibatidine. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 389-394. | 2.5 | 42 |
| 43 | Translocation of presynaptic delta opioid receptors in the ventrolateral periaqueductal gray after swim stress. Journal of Comparative Neurology, 2003, 464, 197-207. | 1.6 | 61 |
| 44 | Alpha 4 nicotinic acetylcholine receptor subunit links cholinergic to brainstem monoaminergic neurotransmission. Synapse, 2003, 49, 195-205. | 1.2 | 36 |
| 45 | A Neurochemically Distinct Dorsal Raphe-Limbic Circuit with a Potential Role in Affective Disorders. Neuropsychopharmacology, 2003, 28, 206-215. | 5.4 | 187 |
| 46 | Circuitry Underlying Regulation of the Serotonergic System by Swim Stress. Journal of Neuroscience, 2003, 23, 970-977. | 3.6 | 181 |
| 47 | Substance P Acts through Local Circuits within the Rat Dorsal Raphe Nucleus to Alter Serotonergic Neuronal Activity. Journal of Neuroscience, 2003, 23, 7155-7159. | 3.6 | 60 |
| 48 | Cellular basis for the effects of substance P in the periaqueductal gray and dorsal raphe nucleus. Journal of Comparative Neurology, 2002, 447, 82-97. | 1.6 | 74 |
| 49 | Anatomical evidence for presynaptic modulation by the delta opioid receptor in the ventrolateral periaqueductal gray of the rat. Journal of Comparative Neurology, 2001, 430, 200-208. | 1.6 | 36 |
| 50 | Presynaptic and postsynaptic relations of ?-opioid receptors to ?-aminobutyric acid-immunoreactive and medullary-projecting periaqueductal gray neurons. Journal of Comparative Neurology, 2000, 419, 532-542. | 1.6 | 65 |
| 51 | In the ventromedial nucleus of the rat hypothalamus, GABA-immunolabeled neurons are abundant and are innervated by both enkephalin- and GABA-immunolabeled axon terminals. Brain Research, 1999, 816, 58-67. | 2.2 | 26 |
| 52 | Frequent colocalization of mu opioid and NMDA-type glutamate receptors at postsynaptic sites in periaqueductal gray neurons. Journal of Comparative Neurology, 1999, 408, 549-559. | 1.6 | 76 |
| 53 | Localization of delta opioid receptor immunoreactivity in interneurons and pyramidal cells in the rat hippocampus. Journal of Comparative Neurology, 1997, 381, 373-387. | 1.6 | 55 |
| 54 | Ultrastructural relationships between leu-enkephalin- and GABA-containing neurons differ within the hippocampal formation. Brain Research, 1996, 724, 1-15. | 2.2 | 31 |

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| 55 | Cellular and subcellular localization of Î´ opioid receptor immunoreactivity in the rat dentate gyrus. Brain Research, 1996, 738, 181-195. | 2.2 | 57 |
| 56 | Ultrastructural heterogeneity of enkephalin-containing terminals in the rat hippocampal formation. Journal of Comparative Neurology, 1995, 358, 324-342. | 1.6 | 50 |