

Evelyn K Lambe

List of Publications by Year in descending order

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62
papers

3,739
citations

147566

31
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133063

59
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67
docs citations

67
times ranked

4524
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical 5-HT _{2A} Receptor Signaling Modulates Anxiety-Like Behaviors in Mice. <i>Science</i> , 2006, 313, 536-540.	6.0	375
2	Nicotine Induces Glutamate Release from Thalamocortical Terminals in Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2003, 28, 216-225.	2.8	241
3	Differential Postnatal Development of Catecholamine and Serotonin Inputs to Identified Neurons in Prefrontal Cortex of Rhesus Monkey. <i>Journal of Neuroscience</i> , 2000, 20, 8780-8787.	1.7	179
4	Schizophrenia susceptibility pathway neuregulin 1 ErbB4 suppresses Src upregulation of NMDA receptors. <i>Nature Medicine</i> , 2011, 17, 470-478.	15.2	157
5	Cerebral gray matter and white matter volume deficits in adolescent girls with anorexia nervosa. <i>Journal of Pediatrics</i> , 1996, 129, 794-803.	0.9	154
6	Cerebral Gray Matter Volume Deficits in First Episode Psychosis. <i>Archives of General Psychiatry</i> , 1998, 55, 540.	13.8	133
7	The Nicotinic Acetylcholine Receptor $\alpha 5$ Subunit Plays a Key Role in Attention Circuitry and Accuracy. <i>Journal of Neuroscience</i> , 2010, 30, 9241-9252.	1.7	132
8	Cerebral Gray Matter Volume Deficits After Weight Recovery From Anorexia Nervosa. <i>Archives of General Psychiatry</i> , 1997, 54, 537.	13.8	130
9	Hypocretin and Nicotine Excite the Same Thalamocortical Synapses in Prefrontal Cortex: Correlation with Improved Attention in Rat. <i>Journal of Neuroscience</i> , 2005, 25, 5225-5229.	1.7	129
10	International Union of Basic and Clinical Pharmacology. CX. Classification of Receptors for 5-hydroxytryptamine; Pharmacology and Function. <i>Pharmacological Reviews</i> , 2021, 73, 310-520.	7.1	127
11	Hypocretin (Orexin) Induces Calcium Transients in Single Spines Postsynaptic to Identified Thalamocortical Boutons in Prefrontal Slice. <i>Neuron</i> , 2003, 40, 139-150.	3.8	119
12	Postnatal Day 2 to 11 Constitutes a 5-HT-Sensitive Period Impacting Adult mPFC Function. <i>Journal of Neuroscience</i> , 2014, 34, 12379-12393.	1.7	112
13	The Role of Kv1.2-Containing Potassium Channels in Serotonin-Induced Glutamate Release from Thalamocortical Terminals in Rat Frontal Cortex. <i>Journal of Neuroscience</i> , 2001, 21, 9955-9963.	1.7	106
14	Developmental Excitation of Corticothalamic Neurons by Nicotinic Acetylcholine Receptors. <i>Journal of Neuroscience</i> , 2008, 28, 8756-8764.	1.7	88
15	Hippocampal 5-HT Input Regulates Memory Formation and Schaffer Collateral Excitation. <i>Neuron</i> , 2018, 98, 992-1004.e4.	3.8	88
16	Enhanced Function of Prefrontal Serotonin 5-HT ₂ Receptors in a Rat Model of Psychiatric Vulnerability. <i>Journal of Neuroscience</i> , 2010, 30, 12138-12150.	1.7	78
17	Serotonin Induces EPSCs Preferentially in Layer V Pyramidal Neurons of the Frontal Cortex in the Rat. <i>Cerebral Cortex</i> , 2000, 10, 974-980.	1.6	74
18	Layer II/III of the Prefrontal Cortex: Inhibition by the Serotonin 5-HT _{1A} Receptor in Development and Stress. <i>Journal of Neuroscience</i> , 2009, 29, 10094-10103.	1.7	72

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19	Hallucinogen-Induced UP States in the Brain Slice of Rat Prefrontal Cortex: Role of Glutamate Spillover and NR2B-NMDA Receptors. <i>Neuropsychopharmacology</i> , 2006, 31, 1682-1689.	2.8	62
20	Serotonin Receptor Expression in Human Prefrontal Cortex: Balancing Excitation and Inhibition across Postnatal Development. <i>PLoS ONE</i> , 2011, 6, e22799.	1.1	62
21	Chronic social isolation reduces 5-HT neuronal activity via upregulated SK3 calcium-activated potassium channels. <i>ELife</i> , 2016, 5, .	2.8	62
22	Schizophrenia, Hypocretin (Orexin), and the Thalamocortical Activating System. <i>Schizophrenia Bulletin</i> , 2006, 33, 1284-1290.	2.3	59
23	Severe deficits in 5-HT _{2A} -mediated neurotransmission in BDNF conditional mutant mice. <i>Journal of Neurobiology</i> , 2006, 66, 408-420.	3.7	58
24	Somatodendritic autoreceptor regulation of serotonergic neurons: dependence on l-tryptophan and tryptophan hydroxylase-activating kinases. <i>European Journal of Neuroscience</i> , 2005, 21, 945-958.	1.2	57
25	Nicotinic $\alpha 5$ Subunits Drive Developmental Changes in the Activation and Morphology of Prefrontal Cortex Layer VI Neurons. <i>Biological Psychiatry</i> , 2012, 71, 120-128.	0.7	55
26	Cholecystokinin-Expressing Interneurons of the Medial Prefrontal Cortex Mediate Working Memory Retrieval. <i>Journal of Neuroscience</i> , 2020, 40, 2314-2331.	1.7	47
27	Nicotinic acetylcholine receptors in attention circuitry: the role of layer VI neurons of prefrontal cortex. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1225-1244.	2.4	46
28	Dyslexia, gender, and brain imaging. <i>Neuropsychologia</i> , 1999, 37, 521-536.	0.7	43
29	Median raphe serotonin neurons promote anxiety-like behavior via inputs to the dorsal hippocampus. <i>Neuropharmacology</i> , 2020, 168, 107985.	2.0	42
30	Dorsal raphe serotonin neurons inhibit operant responding for reward via inputs to the ventral tegmental area but not the nucleus accumbens: evidence from studies combining optogenetic stimulation and serotonin reuptake inhibition. <i>Neuropsychopharmacology</i> , 2019, 44, 793-804.	2.8	39
31	Early Stress Prevents the Potentiation of Muscarinic Excitation by Calcium Release in Adult Prefrontal Cortex. <i>Biological Psychiatry</i> , 2014, 76, 315-323.	0.7	36
32	MRI correlates of treatment response in first episode psychosis. <i>Schizophrenia Research</i> , 1998, 30, 81-90.	1.1	35
33	Chrn $\alpha 5$ -Expressing Neurons in the Interpeduncular Nucleus Mediate Aversion Primed by Prior Stimulation or Nicotine Exposure. <i>Journal of Neuroscience</i> , 2018, 38, 6900-6920.	1.7	35
34	Consequences of NMDA receptor deficiency can be rescued in the adult brain. <i>Molecular Psychiatry</i> , 2021, 26, 2929-2942.	4.1	34
35	Opposing Cholinergic and Serotonergic Modulation of Layer 6 in Prefrontal Cortex. <i>Frontiers in Neural Circuits</i> , 2017, 11, 107.	1.4	33
36	Prefrontal cortical network activity: Opposite effects of psychedelic hallucinogens and D1/D5 dopamine receptor activation. <i>Neuroscience</i> , 2007, 145, 900-910.	1.1	31

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37	Serotonin Regulation of the Prefrontal Cortex: Cognitive Relevance and the Impact of Developmental Perturbation. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3078-3093.	1.7	31
38	Plasticity of Prefrontal Attention Circuitry: Upregulated Muscarinic Excitability in Response to Decreased Nicotinic Signaling Following Deletion of $\alpha 5$ or $\beta 2$ Subunits. <i>Journal of Neuroscience</i> , 2011, 31, 16458-16463.	1.7	30
39	The Native Serotonin 5-HT _{5A} Receptor: Electrophysiological Characterization in Rodent Cortex and 5-HT _{1A} -Mediated Compensatory Plasticity in the Knock-Out Mouse. <i>Journal of Neuroscience</i> , 2012, 32, 5804-5809.	1.7	30
40	Enhanced prefrontal serotonin 5-HT _{1A} currents in a mouse model of Williams-Beuren syndrome with low innate anxiety. <i>Journal of Neurodevelopmental Disorders</i> , 2010, 2, 99-108.	1.5	29
41	Cholinergic excitation in mouse primary vs. associative cortex: region-specific magnitude and receptor balance. <i>European Journal of Neuroscience</i> , 2014, 40, 2608-2618.	1.2	29
42	Developmental Sex Differences in Nicotinic Currents of Prefrontal Layer VI Neurons in Mice and Rats. <i>PLoS ONE</i> , 2010, 5, e9261.	1.1	28
43	Dual recombinase fate mapping reveals a transient cholinergic phenotype in multiple populations of developing glutamatergic neurons. <i>Journal of Comparative Neurology</i> , 2020, 528, 283-307.	0.9	26
44	Chronic social isolation exerts opposing sex-specific consequences on serotonin neuronal excitability and behaviour. <i>Neuropharmacology</i> , 2020, 168, 108015.	2.0	23
45	<i>Chrna5</i> genotype determines the long-lasting effects of developmental <i>in vivo</i> nicotine exposure on prefrontal attention circuitry. <i>Neuropharmacology</i> , 2014, 77, 145-155.	2.0	21
46	<i>Chrna5</i> is Essential for a Rapid and Protected Response to Optogenetic Release of Endogenous Acetylcholine in Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2020, 40, 7255-7268.	1.7	21
47	Endogenous Acetylcholine and Its Modulation of Cortical Microcircuits to Enhance Cognition. <i>Current Topics in Behavioral Neurosciences</i> , 2020, 45, 47-69.	0.8	19
48	Impaired Cholinergic Excitation of Prefrontal Attention Circuitry in the TgCRND8 Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2015, 35, 12779-12791.	1.7	18
49	Mapping the physiological and molecular markers of stress and SSRI antidepressant treatment in S100a10 corticostriatal neurons. <i>Molecular Psychiatry</i> , 2020, 25, 1112-1129.	4.1	18
50	Mice with Compromised 5-HTT Function Lack Phosphotyrosine-Mediated Inhibitory Control over Prefrontal 5-HT Responses. <i>Journal of Neuroscience</i> , 2014, 34, 6107-6111.	1.7	16
51	Serotonergic Suppression of Mouse Prefrontal Circuits Implicated in Task Attention. <i>ENeuro</i> , 2016, 3, ENEURO.0269-16.2016.	0.9	16
52	Enhanced 5-HT _{1A} receptor-dependent feedback control over dorsal raphe serotonin neurons in the SERT knockout mouse. <i>Neuropharmacology</i> , 2015, 89, 185-192.	2.0	15
53	Dendritic spine density of prefrontal layer 6 pyramidal neurons in relation to apical dendrite sculpting by nicotinic acetylcholine receptors. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 398.	1.8	10
54	Apamin Improves Prefrontal Nicotinic Impairment in Mouse Model of Alzheimer's Disease. <i>Cerebral Cortex</i> , 2020, 30, 563-574.	1.6	10

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55	Editorial: Neuromodulation of executive circuits. <i>Frontiers in Neural Circuits</i> , 2015, 9, 58.	1.4	8
56	Ready, set, go: the bridging of attention to action by acetylcholine in prefrontal cortex. <i>Journal of Physiology</i> , 2018, 596, 1539-1540.	1.3	2
57	Volumetric MRI study of first episode schizophrenia. <i>Schizophrenia Research</i> , 1997, 24, 161.	1.1	1
58	Perspective: Translational Studies on Glutamate and Dopamine Neurocircuitry in Addictions: Implications for Addiction Treatment. <i>Neuropsychopharmacology</i> , 2009, 34, 255-256.	2.8	1
59	Electrophysiology of 5-HT _{2A} Receptors and Relevance for Hallucinogen and Atypical Antipsychotic Drug Actions. , 2006, , 403-417.		1
60	Effects Of Hypocretin/Orexin on the Thalamocortical Activating System. , 2005, , 191-202.		0
61	Using Basic Electrophysiology to Understand the Neurobiology of Mental Illness. , 2011, , 29-40.		0
62	Principles of Electrophysiology. , 2013, , 27-38.		0