Julie A Kauer

List of Publications by Year
in descending order

70	9,004	94433 37	118850 62
papers	citations	h-index	g-index

78	78	78	7732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synaptic plasticity and addiction. Nature Reviews Neuroscience, 2007, 8, 844-858.	10.2	1,402
2	An essential role for postsynaptic calmodulin and protein kinase activity in long-term potentiation. Nature, 1989, 340, 554-557.	27.8	1,079
3	Recycling Endosomes Supply AMPA Receptors for LTP. Science, 2004, 305, 1972-1975.	12.6	644
4	A persistent postsynaptic modification mediates long-term potentiation in the hippocampus. Neuron, 1988, 1, 911-917.	8.1	472
5	NMDA application potentiates synaptic transmission in the hippocampus. Nature, 1988, 334, 250-252.	27.8	462
6	Myosin Vb Mobilizes Recycling Endosomes and AMPA Receptors for Postsynaptic Plasticity. Cell, 2008, 135, 535-548.	28.9	425
7	TRPV1 Channels Mediate Long-Term Depression atÂSynapses on Hippocampal Interneurons. Neuron, 2008, 57, 746-759.	8.1	353
8	Rapid Synaptic Plasticity of Glutamatergic Synapses on Dopamine Neurons in the Ventral Tegmental Area in Response to Acute Amphetamine Injection. Neuropsychopharmacology, 2004, 29, 2115-2125.	5.4	326
9	Novel Protein Kinase A-Dependent Long-Term Depression of Excitatory Synapses. Neuron, 2002, 36, 921-931.	8.1	315
10	Opioids block long-term potentiation of inhibitory synapses. Nature, 2007, 446, 1086-1090.	27.8	281
11	Whole-Cell Patch-Clamp Recording Reveals Subthreshold Sound-Evoked Postsynaptic Currents in the Inferior Colliculus of Awake Bats. Journal of Neuroscience, 1996, 16, 3009-3018.	3.6	223
12	Hot flash: TRPV channels in the brain. Trends in Neurosciences, 2009, 32, 215-224.	8.6	208
13	Learning Mechanisms in Addiction: Synaptic Plasticity in the Ventral Tegmental Area as a Result of Exposure to Drugs of Abuse. Annual Review of Physiology, 2004, 66, 447-475.	13.1	203
14	Hippocampal Interneurons Express a Novel Form of Synaptic Plasticity. Neuron, 1997, 18, 295-305.	8.1	171
15	Properties of Carbachol-Induced Oscillatory Activity in Rat Hippocampus. Journal of Neurophysiology, 1997, 78, 2631-2640.	1.8	156
16	Amphetamine Blocks Long-Term Synaptic Depression in the Ventral Tegmental Area. Journal of Neuroscience, 2000, 20, 5575-5580.	3.6	138
17	Hippocampal Interneurons Are Excited Via Serotonin-Gated Ion Channels. Journal of Neurophysiology, 1997, 78, 2493-2502.	1.8	131
18	Christianson Syndrome Protein NHE6 Modulates TrkB Endosomal Signaling Required for Neuronal Circuit Development. Neuron, 2013, 80, 97-112.	8.1	127

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19	Stress and <scp>VTA</scp> synapses: implications for addiction and depression. European Journal of Neuroscience, 2014, 39, 1179-1188.	2.6	111
20	Three-Dimensional Neural Spheroid Culture: AnIn VitroModel for Cortical Studies. Tissue Engineering - Part C: Methods, 2015, 21, 1274-1283.	2.1	111
21	Drugs of abuse and stress impair LTP at inhibitory synapses in the ventral tegmental area. European Journal of Neuroscience, 2010, 32, 108-117.	2.6	110
22	Perturbed dentate gyrus function in serotonin 5-HT2C receptor mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15026-15031.	7.1	107
23	Kappa Opioid Receptors Regulate Stress-Induced Cocaine Seeking and Synaptic Plasticity. Neuron, 2013, 77, 942-954.	8.1	105
24	Focal photolysis of caged glutamate produces long-term depression of hippocampal glutamate receptors. Nature Neuroscience, 1998, 1, 119-123.	14.8	99
25	Amphetamine Depresses Excitatory Synaptic Transmission via Serotonin Receptors in the Ventral Tegmental Area. Journal of Neuroscience, 1999, 19, 9780-9787.	3.6	98
26	Hyperexcitable arousal circuits drive sleep instability during aging. Science, 2022, 375, eabh3021.	12.6	74
27	LTP of GABAergic synapses in the ventral tegmental area and beyond. Journal of Physiology, 2008, 586, 1487-1493.	2.9	72
28	Presynaptic plasticity: targeted control of inhibitory networks. Current Opinion in Neurobiology, 2009, 19, 254-262.	4.2	64
29	PKG and PKA Signaling in LTP at GABAergic Synapses. Neuropsychopharmacology, 2009, 34, 1829-1842.	5.4	64
30	Metabotropic glutamate receptor-induced disinhibition is mediated by reduced transmission at excitatory synapses onto interneurons and inhibitory synapses onto pyramidal cells. Neuroscience Letters, 1994, 181, 78-82.	2.1	60
31	Repeated exposure to amphetamine disrupts dopaminergic modulation of excitatory synaptic plasticity and neurotransmission in nucleus accumbens. Synapse, 2004, 51, 1-10.	1.2	59
32	PDZ binding of TARPÎ³-8 controls synaptic transmission but not synaptic plasticity. Nature Neuroscience, 2011, 14, 1410-1412.	14.8	59
33	Poststress Block of Kappa Opioid Receptors Rescues Long-Term Potentiation of Inhibitory Synapses and Prevents Reinstatement of Cocaine Seeking. Biological Psychiatry, 2014, 76, 785-793.	1.3	57
34	Long-term potentiation of glycinergic synapses triggered by interleukin 1Î². Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8263-8268.	7.1	50
35	Long-term potentiation in mice lacking the neural cell adhesion molecule L1. Current Biology, 2000, 10, 1607-1610.	3.9	48
36	Functionally Distinct Groups of Interneurons Identified During Rhythmic Carbachol Oscillations in HippocampusIn Vitro. Journal of Neuroscience, 1998, 18, 5640-5651.	3.6	47

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37	Loss of interneuron LTD and attenuated pyramidal cell LTP in Trpv1 and Trpv3 KO mice. Hippocampus, 2013, 23, 662-671.	1.9	43
38	Synaptic function and plasticity in identified inhibitory inputs onto <scp>VTA</scp> dopamine neurons. European Journal of Neuroscience, 2018, 47, 1208-1218.	2.6	41
39	Constitutive activation of kappa opioid receptors at ventral tegmental area inhibitory synapses following acute stress. ELife, 2017, 6, .	6.0	36
40	Adolescent sleep shapes social novelty preference in mice. Nature Neuroscience, 2022, 25, 912-923.	14.8	33
41	Plasticity of Addiction: A Mesolimbic Dopamine Shortâ€Circuit?. American Journal on Addictions, 2009, 18, 259-271.	1.4	32
42	A novel nonâ€CB1/TRPV1 endocannabinoidâ€mediated mechanism depresses excitatory synapses on hippocampal CA1 interneurons. Hippocampus, 2012, 22, 209-221.	1.9	32
43	Periaqueductal Gray and Rostromedial Tegmental Inhibitory Afferents to VTA Have Distinct Synaptic Plasticity and Opiate Sensitivity. Neuron, 2020, 106, 624-636.e4.	8.1	28
44	High-Frequency Afferent Stimulation Induces Long-Term Potentiation of Field Potentials in the Ventral Tegmental Area. Neuropsychopharmacology, 2008, 33, 1704-1712.	5.4	26
45	Addictive Drugs and Stress Trigger a Common Change at VTA Synapses. Neuron, 2003, 37, 549-550.	8.1	25
46	LTP: AMPA receptors trading places. Nature Neuroscience, 2006, 9, 593-594.	14.8	23
47	Neural control of hatching: Role of neck position in turning on hatching leg movements in post-hatching chicks. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1982, 145, 497-504.	1.6	22
48	Amphetamine depresses excitatory synaptic transmission at prefrontal cortical layer V synapses. Neuropharmacology, 2007, 52, 193-199.	4.1	20
49	Rapid AMPAR/NMDAR Response to Amphetamine. Annals of the New York Academy of Sciences, 2003, 1003, 391-394.	3.8	17
50	Blockade of Hippocampal Long-Term Potentiation by Sustained Tetanic Stimulation Near the Recording Site. Journal of Neurophysiology, 1999, 81, 940-944.	1.8	16
51	Selective control of synaptically-connected circuit elements by all-optical synapses. Communications Biology, 2022, 5, 33.	4.4	14
52	Endogenous Opsin 3 (OPN3) Protein Expression in the Adult Brain Using a Novel OPN3-mCherry Knock-In Mouse Model. ENeuro, 2020, 7, ENEURO.0107-20.2020.	1.9	13
53	Persistent but Labile Synaptic Plasticity at Excitatory Synapses. Journal of Neuroscience, 2018, 38, 5750-5758.	3.6	11
54	Long-Term Depression Induced by Optogenetically Driven Nociceptive Inputs to Trigeminal Nucleus Caudalis or Headache Triggers. Journal of Neuroscience, 2018, 38, 7529-7540.	3.6	9

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55	Properties of neurons in the superficial laminae of trigeminal nucleus caudalis. Physiological Reports, 2019, 7, e14112.	1.7	9
56	Somatodendritic Release of Cholecystokinin Potentiates GABAergic Synapses Onto Ventral Tegmental Area Dopamine Cells. Biological Psychiatry, 2023, 93, 197-208.	1.3	9
57	NMDA receptor activation induces long-term potentiation of glycine synapses. PLoS ONE, 2019, 14, e0222066.	2.5	8
58	A home for the nicotine habit. Nature, 2005, 436, 31-32.	27.8	7
59	Long-term potentiation in the hippocampus. Progress in Cell Research, 1990, 1, 263-277.	0.3	6
60	Postsynaptic Mechanisms Involved in Long-Term Potentiation. Advances in Experimental Medicine and Biology, 1990, 268, 291-299.	1.6	5
61	Synaptic Plasticity at Inhibitory Synapses in the Ventral Tegmental Area Depends upon Stimulation Site. ENeuro, 2019, 6, ENEURO.0137-19.2019.	1.9	4
62	Two-Pronged Control of the Dorsal Raphe by the VTA. Neuron, 2019, 101, 553-555.	8.1	2
63	Inhibitory synapses turn exciting. Nature Neuroscience, 2005, 8, 257-258.	14.8	0
64	TRPV1: hot new channels in the brain. Future Neurology, 2008, 3, 507-510.	0.5	0
65	Yin and Yang: Unsilencing Synapses to Control Cocaine Seeking. Neuron, 2014, 83, 1234-1236.	8.1	0
66	MECHANISMS INVOLVED IN THE INITIATION AND EXPRESSION OF LONG TERM POTENTIATION. , 1989, , 159-170.		0
67	NMDA receptor activation induces long-term potentiation of glycine synapses. , 2019, 14, e0222066.		0
68	NMDA receptor activation induces long-term potentiation of glycine synapses. , 2019, 14, e0222066.		0
69	NMDA receptor activation induces long-term potentiation of glycine synapses. , 2019, 14, e0222066.		0
70	NMDA receptor activation induces long-term potentiation of glycine synapses. , 2019, 14, e0222066.		0