Lisa Marie Monteggia

List of Publications by Year
in descending order

68 papers	16,504 citations	101496 36 h-index	98753 67 g-index
84 all docs	84 docs citations	84 times ranked	16151 citing authors

#	Article	IF	Citations
1	BDNF signaling in context: From synaptic regulation to psychiatric disorders. Cell, 2022, 185, 62-76.	13.5	160
2	Probing the segregation of evoked and spontaneous neurotransmission via photobleaching and recovery of a fluorescent glutamate sensor. ELife, 2022, 11, .	2.8	6
3	Optical analysis of AMPAR-mediated synaptic scaling in mouse hippocampus. STAR Protocols, 2022, 3, 101443.	0.5	1
4	Role of Aberrant Spontaneous Neurotransmission in SNAP25-Associated Encephalopathies. Neuron, 2021, 109, 59-72.e5.	3.8	31
5	A key requirement for synaptic Reelin signaling in ketamine-mediated behavioral and synaptic action. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
6	Sustained effects of rapidly acting antidepressants require BDNF-dependent MeCP2 phosphorylation. Nature Neuroscience, 2021, 24, 1100-1109.	7.1	52
7	Brain-Derived Neurotrophic Factor Signaling in Depression and Antidepressant Action. Biological Psychiatry, 2021, 90, 128-136.	0.7	186
8	A subthreshold synaptic mechanism regulating BDNF expression and resting synaptic strength. Cell Reports, 2021, 36, 109467.	2.9	17
9	A synaptic locus for TrkB signaling underlying ketamine rapid antidepressant action. Cell Reports, 2021, 36, 109513.	2.9	39
10	Convergence of distinct signaling pathways on synaptic scaling to trigger rapid antidepressant action. Cell Reports, 2021, 37, 109918.	2.9	18
11	Increasing doses of ketamine curtail antidepressant responses and suppress associated synaptic signaling pathways. Behavioural Brain Research, 2020, 380, 112378.	1.2	29
12	VAMP4 Maintains a Ca2+-Sensitive Pool of Spontaneously Recycling Synaptic Vesicles. Journal of Neuroscience, 2020, 40, 5389-5401.	1.7	15
13	Targeting Homeostatic Synaptic Plasticity for Treatment of Mood Disorders. Neuron, 2020, 106, 715-726.	3.8	107
14	The role of eEF2 kinase in the rapid antidepressant actions of ketamine. Advances in Pharmacology, 2020, 89, 79-99.	1.2	35
15	Spontaneous and evoked neurotransmission are partially segregated at inhibitory synapses. ELife, 2020, 9, .	2.8	22
16	Behavioral Analysis of SNAP-25 and Synaptobrevin-2 Haploinsufficiency in Mice. Neuroscience, 2019, 420, 129-135.	1.1	13
17	Meeting Report: Can We Make Animal Models of Human Mental Illness?. Biological Psychiatry, 2018, 84, 542-545.	0.7	38
18	The Ketamine Metabolite 2R,6R-Hydroxynorketamine Blocks NMDA Receptors and Impacts Downstream Signaling Linked to Antidepressant Effects. Neuropsychopharmacology, 2018, 43, 221-222.	2.8	25

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19	Inactivation of NMDA Receptors in the Ventral Tegmental Area during Cocaine Self-Administration Prevents GluA1 Upregulation but with Paradoxical Increases in Cocaine-Seeking Behavior. Journal of Neuroscience, 2018, 38, 575-585.	1.7	8
20	Genetic Dissection of Presynaptic and Postsynaptic BDNF-TrkB Signaling in Synaptic Efficacy of CA3-CA1 Synapses. Cell Reports, 2018, 24, 1550-1561.	2.9	68
21	Selective molecular impairment of spontaneous neurotransmission modulates synaptic efficacy. Nature Communications, 2017, 8, 14436.	5.8	39
22	Effects of a ketamine metabolite on synaptic NMDAR function. Nature, 2017, 546, E1-E3.	13.7	145
23	Loss of Doc2-Dependent Spontaneous Neurotransmission Augments Glutamatergic Synaptic Strength. Journal of Neuroscience, 2017, 37, 6224-6230.	1.7	22
24	CRISPR/Cas9 system-mediated impairment of synaptobrevin/VAMP function in postmitotic hippocampal neurons. Journal of Neuroscience Methods, 2017, 278, 57-64.	1.3	3
25	Engineering MeCP2 to spy on its targets. Nature Medicine, 2017, 23, 1120-1122.	15.2	3
26	TrkB Signaling in Dorsal Raphe Nucleus is Essential for Antidepressant Efficacy and Normal Aggression Behavior. Neuropsychopharmacology, 2017, 42, 886-894.	2.8	35
27	Chronic lithium treatment elicits its antimanic effects via BDNF-TrkB dependent synaptic downscaling. ELife, 2017, 6, .	2.8	42
28	D-cycloserine improves synaptic transmission in an animal mode of Rett syndrome. PLoS ONE, 2017, 12, e0183026.	1.1	10
29	MeCP2 and histone deacetylases 1 and 2 in dorsal striatum collectively suppress repetitive behaviors. Nature Neuroscience, 2016, 19, 1506-1512.	7.1	36
30	Constance E. Lieber, Theodore R. Stanley, and the Enduring Impact of Philanthropy on Psychiatry Research. Biological Psychiatry, 2016, 80, 84-86.	0.7	2
31	Postnatal Loss of Mef2c Results in Dissociation of Effects on Synapse Number and Learning and Memory. Biological Psychiatry, 2016, 80, 140-148.	0.7	44
32	Toward Better Animal Models for Molecular Psychiatry. Biological Psychiatry, 2016, 79, 2-3.	0.7	3
33	BDNF â€“ a key transducer of antidepressant effects. Neuropharmacology, 2016, 102, 72-79.	2.0	701
34	Antidepressant actions of ketamine: from molecular mechanisms to clinical practice. Current Opinion in Neurobiology, 2015, 30, 139-143.	2.0	123
35	How does ketamine elicit a rapid antidepressant response?. Current Opinion in Pharmacology, 2015, 20, 35-39.	1.7	96
36	Decoding transcriptional repressor complexes in the adult central nervous system. Neuropharmacology, 2014, 80, 45-52.	2.0	23

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37	The best way forward. Nature, 2014, 515, 200-201.	13.7	90
38	Selective role for DNMT3a in learning and memory. Neurobiology of Learning and Memory, 2014, 115, 30-37.	1.0	73
39	A role for histone deacetylases in the cellular and behavioral mechanisms underlying learning and memory. Learning and Memory, 2014, 21, 564-568.	0.5	37
40	Mechanisms underlying differential effectiveness of memantine and ketamine in rapid antidepressant responses. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8649-8654.	3.3	186
41	Role of DNA methylation and the DNA methyltransferases in learning and memory. Dialogues in Clinical Neuroscience, 2014, 16, 359-371.	1.8	66
42	Age dependence of the rapid antidepressant and synaptic effects of acute NMDA receptor blockade. Frontiers in Molecular Neuroscience, 2014, 7, 94.	1.4	44
43	Scopolamine and Ketamine: Evidence of Convergence?. Biological Psychiatry, 2013, 74, 712-713.	0.7	15
44	Reelin Mobilizes a VAMP7-Dependent Synaptic Vesicle Pool and Selectively Augments Spontaneous Neurotransmission. Neuron, 2013, 80, 934-946.	3.8	106
45	The Role of Eukaryotic Elongation Factor 2 Kinase in Rapid Antidepressant Action of Ketamine. Biological Psychiatry, 2013, 73, 1199-1203.	0.7	182
46	Acute Suppression of Spontaneous Neurotransmission Drives Synaptic Potentiation. Journal of Neuroscience, 2013, 33, 6990-7002.	1.7	225
47	Brain-Derived Neurotrophic Factor and Neuropsychiatric Disorders. Pharmacological Reviews, 2012, 64, 238-258.	7.1	1,109
48	Synaptic Mechanisms Underlying Rapid Antidepressant Action of Ketamine. American Journal of Psychiatry, 2012, 169, 1150-1156.	4.0	220
49	NMDA receptor blockade at rest triggers rapid behavioural antidepressant responses. Nature, 2011, 475, 91-95.	13.7	1,584
50	Use-Dependent AMPA Receptor Block Reveals Segregation of Spontaneous and Evoked Glutamatergic Neurotransmission. Journal of Neuroscience, 2011, 31, 5378-5382.	1.7	69
51	MeCP2-Mediated Transcription Repression in the Basolateral Amygdala May Underlie Heightened Anxiety in a Mouse Model of Rett Syndrome. Journal of Neuroscience, 2009, 29, 4218-4227.	1.7	124
52	Histone Deacetylases 1 and 2 Form a Developmental Switch That Controls Excitatory Synapse Maturation and Function. Journal of Neuroscience, 2009, 29, 8288-8297.	1.7	147
53	Rett Syndrome and the Impact of MeCP2 Associated Transcriptional Mechanisms on Neurotransmission. Biological Psychiatry, 2009, 65, 204-210.	0.7	66
54	Gender-Specific Impact of Brain-Derived Neurotrophic Factor Signaling on Stress-Induced Depression-Like Behavior. Biological Psychiatry, 2009, 66, 84-90.	0.7	140

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55	Selective Loss of Brain-Derived Neurotrophic Factor in the Dentate Gyrus Attenuates Antidepressant Efficacy. Biological Psychiatry, 2008, 63, 642-649.	0.7	332
56	MEF2C, a transcription factor that facilitates learning and memory by negative regulation of synapse numbers and function. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9391-9396.	3.3	241
57	Activity-Dependent Suppression of Miniature Neurotransmission through the Regulation of DNA Methylation. Journal of Neuroscience, 2008, 28, 395-406.	1.7	239
58	Elucidating the Role of Brain-Derived Neurotrophic Factor in the Brain. American Journal of Psychiatry, 2007, 164, 1790-1790.	4.0	19
59	Brain-Derived Neurotrophic Factor Conditional Knockouts Show Gender Differences in Depression-Related Behaviors. Biological Psychiatry, 2007, 61, 187-197.	0.7	456
60	A Neurotrophic Model for Stress-Related Mood Disorders. Biological Psychiatry, 2006, 59, 1116-1127.	0.7	2,873
61	Postnatal Loss of Methyl-CpG Binding Protein 2 in the Forebrain is Sufficient to Mediate Behavioral Aspects of Rett Syndrome in Mice. Biological Psychiatry, 2006, 59, 468-476.	0.7	227
62	Essential Role of BDNF in the Mesolimbic Dopamine Pathway in Social Defeat Stress. Science, 2006, 311, 864-868.	6.0	1,869
63	MeCP2-Dependent Transcriptional Repression Regulates Excitatory Neurotransmission. Current Biology, 2006, 16, 710-716.	1.8	198
64	Analysis of pyramidal neuron morphology in an inducible knockout of brain-derived neurotrophic factor. Biological Psychiatry, 2005, 57, 932-934.	0.7	24
65	Essential role of brain-derived neurotrophic factor in adult hippocampal function. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10827-10832.	3.3	597
66	Neurobiology of Depression. Neuron, 2002, 34, 13-25.	3.8	2,688
67	Molecular and functional analysis of hyperpolarizationâ€activated pacemaker channels in the hippocampus after entorhinal cortex lesion. FASEB Journal, 2001, 15, 2689-2701.	0.2	49
68	<scp>MeCP2</scp> lossâ€ofâ€function dysregulates <scp>microRNAs</scp> regionally and disrupts excitatory/inhibitory synaptic transmission balance. Hippocampus, 0, , .	0.9	1