

# Keri Martinowich

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

9,101  
citations

109321

35  
h-index

128289

60  
g-index

76  
all docs

76  
docs citations

76  
times ranked

12134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophysiological measures from human iPSC-derived neurons are associated with schizophrenia clinical status and predict individual cognitive performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	29
2	Neuropsychopharmacology (NPP) 2020 report on gender balance among corresponding authors and reviewers: before and during the COVID-19 pandemic. <i>Neuropsychopharmacology</i> , 2022, 47, 973-975.	5.4	3
3	Induction of Bdnf from promoter I following electroconvulsive seizures contributes to structural plasticity in neurons of the piriform cortex. <i>Brain Stimulation</i> , 2022, 15, 427-433.	1.6	4
4	spatialLBD: an R/Bioconductor package to visualize spatially-resolved transcriptomics data. <i>BMC Genomics</i> , 2022, 23, .	2.8	50
5	Decoding Shared Versus Divergent Transcriptomic Signatures Across Cortico-Amygdala Circuitry in PTSD and Depressive Disorders. <i>American Journal of Psychiatry</i> , 2022, 179, 673-686.	7.2	21
6	Neuropsychopharmacology (NPP): update on relationships between online attention and citation counts. <i>Neuropsychopharmacology</i> , 2021, 46, 1061-1063.	5.4	1
7	Transcriptome-scale spatial gene expression in the human dorsolateral prefrontal cortex. <i>Nature Neuroscience</i> , 2021, 24, 425-436.	14.8	418
8	Single molecule in situ hybridization reveals distinct localizations of schizophrenia risk-related transcripts SNX19 and AS3MT in human brain. <i>Molecular Psychiatry</i> , 2021, 26, 3536-3547.	7.9	5
9	Bdnf deficiency in the neonatal hippocampus contributes to global dna hypomethylation and adult behavioral changes. <i>Brain Research</i> , 2021, 1754, 147254.	2.2	0
10	Single-nucleus transcriptome analysis reveals cell-type-specific molecular signatures across reward circuitry in the human brain. <i>Neuron</i> , 2021, 109, 3088-3103.e5.	8.1	95
11	dotdotdot: an automated approach to quantify multiplex single molecule fluorescent in situ hybridization (smFISH) images in complex tissues. <i>Nucleic Acids Research</i> , 2020, 48, e66-e66.	14.5	46
12	Profiling gene expression in the human dentate gyrus granule cell layer reveals insights into schizophrenia and its genetic risk. <i>Nature Neuroscience</i> , 2020, 23, 510-519.	14.8	67
13	Dissecting transcriptomic signatures of neuronal differentiation and maturation using iPSCs. <i>Nature Communications</i> , 2020, 11, 462.	12.8	96
14	Molecularly Defined Hippocampal Inputs Regulate Population Dynamics in the Prelimbic Cortex to Suppress Context Fear Memory Retrieval. <i>Biological Psychiatry</i> , 2020, 88, 554-565.	1.3	17
15	TrkB Signaling Influences Gene Expression in Cortistatin-Expressing Interneurons. <i>ENeuro</i> , 2020, 7, ENEURO.0310-19.2019.	1.9	10
16	Manipulation of a genetically and spatially defined sub-population of BDNF-expressing neurons potentiates learned fear and decreases hippocampal-prefrontal synchrony in mice. <i>Neuropsychopharmacology</i> , 2019, 44, 2239-2246.	5.4	21
17	Cortistatin-expressing interneurons require TrkB signaling to suppress neural hyper-excitability. <i>Brain Structure and Function</i> , 2019, 224, 471-483.	2.3	10
18	Electroconvulsive seizures influence dendritic spine morphology and BDNF expression in a neuroendocrine model of depression. <i>Brain Stimulation</i> , 2018, 11, 856-859.	1.6	26

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19	Neuropsychiatric Phenotypes Produced by GABA Reduction in Mouse Cortex and Hippocampus. <i>Neuropsychopharmacology</i> , 2018, 43, 1445-1456.	5.4	40
20	Narp Mediates Antidepressant-Like Effects of Electroconvulsive Seizures. <i>Neuropsychopharmacology</i> , 2018, 43, 1088-1098.	5.4	16
21	Disruption of brain-derived neurotrophic factor production from individual promoters generates distinct body composition phenotypes in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E1168-E1184.	3.5	19
22	BDNF-TrkB signaling in oxytocin neurons contributes to maternal behavior. <i>ELife</i> , 2018, 7, .	6.0	38
23	Bdnf mRNA splice variants differentially impact CA1 and CA3 dendrite complexity and spine morphology in the hippocampus. <i>Brain Structure and Function</i> , 2017, 222, 3295-3307.	2.3	48
24	Adult Neurogenesis and Cognitive Function. , 2016, , 51-94.		2
25	Functional Role of BDNF Production from Unique Promoters in Aggression and Serotonin Signaling. <i>Neuropsychopharmacology</i> , 2016, 41, 1943-1955.	5.4	108
26	Activity-dependent signaling: influence on plasticity in circuits controlling fear-related behavior. <i>Current Opinion in Neurobiology</i> , 2016, 36, 59-65.	4.2	33
27	Regulation of Brain-Derived Neurotrophic Factor Exocytosis and Gamma-Aminobutyric Acidergic Interneuron Synapse by the Schizophrenia Susceptibility Gene Dysbindin-1. <i>Biological Psychiatry</i> , 2016, 80, 312-322.	1.3	42
28	Human Obesity Associated with an Intronic SNP in the Brain-Derived Neurotrophic Factor Locus. <i>Cell Reports</i> , 2015, 13, 1073-1080.	6.4	64
29	Antidepressant-like Effects of Electroconvulsive Seizures Require Adult Neurogenesis in a Neuroendocrine Model of Depression. <i>Brain Stimulation</i> , 2015, 8, 862-867.	1.6	70
30	ISDN2014_0312: Phasic dopamine neuron activity elicits unique mesofrontal plasticity in adolescence. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 95-95.	1.6	0
31	Rebound Potentiation of Inhibition in Juvenile Visual Cortex Requires Vision-Induced BDNF Expression. <i>Journal of Neuroscience</i> , 2014, 34, 10770-10779.	3.6	28
32	Atrophy of pyramidal neurons and increased stress-induced glutamate levels in CA3 following chronic suppression of adult neurogenesis. <i>Brain Structure and Function</i> , 2014, 219, 1139-1148.	2.3	22
33	Phasic Dopamine Neuron Activity Elicits Unique Mesofrontal Plasticity in Adolescence. <i>Journal of Neuroscience</i> , 2014, 34, 9484-9496.	3.6	45
34	Association of brain-derived neurotrophic factor (BDNF) haploinsufficiency with lower adaptive behaviour and reduced cognitive functioning in WAGR/11p13 deletion syndrome. <i>Cortex</i> , 2013, 49, 2700-2710.	2.4	61
35	Glucocorticoids Orchestrate Divergent Effects on Mood through Adult Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 2961-2972.	3.6	144
36	Rapid antidepressant effects: moving right along. <i>Molecular Psychiatry</i> , 2013, 18, 856-863.	7.9	29

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37	Role of activity-dependent BDNF expression in hippocampalâ€“prefrontal cortical regulation of behavioral perseverance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15103-15108.	7.1	116
38	Molecular evidence for BDNF- and GABA-related dysfunctions in the amygdala of female subjects with major depression. Molecular Psychiatry, 2012, 17, 1130-1142.	7.9	311
39	Brain-Derived Neurotrophic Factor Signaling and Subgenual Anterior Cingulate Cortex Dysfunction in Major Depressive Disorder. American Journal of Psychiatry, 2012, 169, 1194-1202.	7.2	221
40	Roles of p75NTR, Long-Term Depression, and Cholinergic Transmission in Anxiety and Acute Stress Coping. Biological Psychiatry, 2012, 71, 75-83.	1.3	43
41	Mood-stabilizing drugs: mechanisms of action. Trends in Neurosciences, 2012, 35, 36-46.	8.6	94
42	Acetylcholinesterase inhibition ameliorates deficits in motivational drive. Behavioral and Brain Functions, 2012, 8, 15.	3.3	10
43	TrkB as a Potential Synaptic and Behavioral Tag. Journal of Neuroscience, 2011, 31, 11762-11771.	3.6	106
44	Activity-dependent brain-derived neurotrophic factor expression regulates cortistatin-interneurons and sleep behavior. Molecular Brain, 2011, 4, 11.	2.6	52
45	Environmental enrichment requires adult neurogenesis to facilitate the recovery from psychosocial stress. Molecular Psychiatry, 2010, 15, 1152-1163.	7.9	270
46	Direct Current Stimulation Promotes BDNF-Dependent Synaptic Plasticity: Potential Implications for Motor Learning. Neuron, 2010, 66, 198-204.	8.1	1,177
47	Critical role of promoter IV-driven BDNF transcription in GABAergic transmission and synaptic plasticity in the prefrontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5942-5947.	7.1	183
48	Phosphorylation of MeCP2 at Serine 80 regulates its chromatin association and neurological function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4882-4887.	7.1	200
49	Suppression of adult neurogenesis leads to an increased hypothalamo-pituitary-adrenal axis response. NeuroReport, 2009, 20, 553-557.	1.2	147
50	Bipolar disorder: from genes to behavior pathways. Journal of Clinical Investigation, 2009, 119, 726-736.	8.2	97
51	Interaction between BDNF and Serotonin: Role in Mood Disorders. Neuropsychopharmacology, 2008, 33, 73-83.	5.4	627
52	Cell Biology of BDNF and its Relevance to Schizophrenia. Novartis Foundation Symposium, 2008, 289, 119-135.	1.1	84
53	New insights into BDNF function in depression and anxiety. Nature Neuroscience, 2007, 10, 1089-1093.	14.8	1,016
54	Enhancing AMPA to NMDA throughput as a convergent mechanism for antidepressant action. Drug Discovery Today: Therapeutic Strategies, 2006, 3, 519-526.	0.5	45

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55	Coupling of cell migration with neurogenesis by proneural bHLH factors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1319-1324.	7.1	195
56	A positive autoregulatory loop of Jak-STAT signaling controls the onset of astroglialogenesis. Nature Neuroscience, 2005, 8, 616-625.	14.8	350
57	Distinct LIN-10 Domains Are Required for Its Neuronal Function, Its Epithelial Function, and Its Synaptic Localization. Molecular Biology of the Cell, 2005, 16, 1417-1426.	2.1	23
58	DNA methylation controls the timing of astroglialogenesis through regulation of JAK-STAT signaling. Development (Cambridge), 2005, 132, 3345-3356.	2.5	371
59	DNA Methylation-Related Chromatin Remodeling in Activity-Dependent <i>Bdnf</i> Gene Regulation. Science, 2003, 302, 890-893.	12.6	1,315
60	Making and repairing the mammalian brain's signaling toward neurogenesis and gliogenesis. Seminars in Cell and Developmental Biology, 2003, 14, 161-168.	5.0	55
61	Notch signaling promotes astroglialogenesis via direct CSL-mediated glial gene activation. Journal of Neuroscience Research, 2002, 69, 848-860.	2.9	174
62	Strategies for cellular deconvolution in human brain RNA sequencing data. F1000Research, 0, 10, 750.	1.6	4