

# Michael E Greenberg

## List of Publications by Year in descending order

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77  
papers

21,379  
citations

66234

42  
h-index

88477

70  
g-index

89  
all docs

89  
docs citations

89  
times ranked

24727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bidirectional perisomatic inhibitory plasticity of a Fos neuronal network. <i>Nature</i> , 2021, 590, 115-121.	13.7	70
2	Activity-dependent regulome of human GABAergic neurons reveals new patterns of gene regulation and neurological disease heritability. <i>Nature Neuroscience</i> , 2021, 24, 437-448.	7.1	33
3	Proteomic analysis identifies the E3 ubiquitin ligase Pdzn3 as a regulatory target of Wnt5a-Ror signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	6
4	NPAS4 regulates the transcriptional response of the suprachiasmatic nucleus to light and circadian behavior. <i>Neuron</i> , 2021, 109, 3268-3282.e6.	3.8	46
5	Rewiring of human neurodevelopmental gene regulatory programs by human accelerated regions. <i>Neuron</i> , 2021, 109, 3239-3251.e7.	3.8	91
6	Maternal immune activation in mice disrupts proteostasis in the fetal brain. <i>Nature Neuroscience</i> , 2021, 24, 204-213.	7.1	76
7	MeCP2 Represses the Rate of Transcriptional Initiation of Highly Methylated Long Genes. <i>Molecular Cell</i> , 2020, 77, 294-309.e9.	4.5	72
8	Sensory Experience Engages Microglia to Shape Neural Connectivity through a Non-Phagocytic Mechanism. <i>Neuron</i> , 2020, 108, 451-468.e9.	3.8	106
9	Homozygous deletions implicate non-coding epigenetic marks in Autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 14045.	1.6	12
10	Single-nucleus RNA sequencing of mouse auditory cortex reveals critical period triggers and brakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11744-11752.	3.3	47
11	Neurons that regulate mouse torpor. <i>Nature</i> , 2020, 583, 115-121.	13.7	142
12	Sleep Loss Can Cause Death through Accumulation of Reactive Oxygen Species in the Gut. <i>Cell</i> , 2020, 181, 1307-1328.e15.	13.5	243
13	An Activity-Mediated Transition in Transcription in Early Postnatal Neurons. <i>Neuron</i> , 2020, 107, 874-890.e8.	3.8	41
14	Mapping the cis-regulatory architecture of the human retina reveals noncoding genetic variation in disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9001-9012.	3.3	72
15	Mechanisms of Wnt5a-Ror Signaling in Development and Disease. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
16	Chromatin Environment and Cellular Context Specify Compensatory Activity of Paralogous MEF2 Transcription Factors. <i>Cell Reports</i> , 2019, 29, 2001-2015.e5.	2.9	19
17	A Late Phase of Long-Term Synaptic Depression in Cerebellar Purkinje Cells Requires Activation of MEF2. <i>Cell Reports</i> , 2019, 26, 1089-1097.e3.	2.9	12
18	Sensory lesioning induces microglial synapse elimination via ADAM10 and fractalkine signaling. <i>Nature Neuroscience</i> , 2019, 22, 1075-1088.	7.1	207

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19	Loss of Adaptive Myelination Contributes to Methotrexate Chemotherapy-Related Cognitive Impairment. <i>Neuron</i> , 2019, 103, 250-265.e8.	3.8	177
20	ARNT2 Tunes Activity-Dependent Gene Expression through NCoR2-Mediated Repression and NPAS4-Mediated Activation. <i>Neuron</i> , 2019, 102, 390-406.e9.	3.8	35
21	A scalable platform for the development of cell-type-specific viral drivers. <i>ELife</i> , 2019, 8, .	2.8	67
22	Single-cell transcriptomics of the developing lateral geniculate nucleus reveals insights into circuit assembly and refinement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1051-E1060.	3.3	66
23	Mapping the genomic landscape of inherited retinal disease genes prioritizes genes prone to coding and noncoding copy-number variations. <i>Genetics in Medicine</i> , 2018, 20, 202-213.	1.1	47
24	Lineage divergence of activity-driven transcription and evolution of cognitive ability. <i>Nature Reviews Neuroscience</i> , 2018, 19, 9-15.	4.9	33
25	Single-cell analysis of experience-dependent transcriptomic states in the mouse visual cortex. <i>Nature Neuroscience</i> , 2018, 21, 120-129.	7.1	394
26	Characterization of human mosaic Rett syndrome brain tissue by single-nucleus RNA sequencing. <i>Nature Neuroscience</i> , 2018, 21, 1670-1679.	7.1	92
27	Activity-Regulated Transcription: Bridging the Gap between Neural Activity and Behavior. <i>Neuron</i> , 2018, 100, 330-348.	3.8	408
28	Visual Experience-Dependent Expression of Fn14 Is Required for Retinogeniculate Refinement. <i>Neuron</i> , 2018, 99, 525-539.e10.	3.8	39
29	Early-Life Gene Expression in Neurons Modulates Lasting Epigenetic States. <i>Cell</i> , 2017, 171, 1151-1164.e16.	13.5	167
30	AP-1 Transcription Factors and the BAF Complex Mediate Signal-Dependent Enhancer Selection. <i>Molecular Cell</i> , 2017, 68, 1067-1082.e12.	4.5	328
31	Kinesin superfamily protein Kif26b links Wnt5a-Ror signaling to the control of cell and tissue behaviors in vertebrates. <i>ELife</i> , 2017, 6, .	2.8	33
32	EphB1 and EphB2 intracellular domains regulate the formation of the corpus callosum and anterior commissure. <i>Developmental Neurobiology</i> , 2016, 76, 405-420.	1.5	18
33	DNA methylation in the gene body influences MeCP2-mediated gene repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 15114-15119.	3.3	100
34	Evolution of Osteocrin as an activity-regulated factor in the primate brain. <i>Nature</i> , 2016, 539, 242-247.	13.7	120
35	Unidirectional Eph/ephrin signaling creates a cortical actomyosin differential to drive cell segregation. <i>Journal of Cell Biology</i> , 2016, 215, 217-229.	2.3	41
36	Catching the Brain in the Act. <i>Cell</i> , 2016, 165, 1570-1571.	13.5	0

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37	Genomic mapping and cellular expression of human CPG2 transcripts in the SYNE1 gene. <i>Molecular and Cellular Neurosciences</i> , 2016, 71, 46-55.	1.0	6
38	Disruption of DNA-methylation-dependent long gene repression in Rett syndrome. <i>Nature</i> , 2015, 522, 89-93.	13.7	521
39	A Shortcut to Activity-Dependent Transcription. <i>Cell</i> , 2015, 161, 1496-1498.	13.5	9
40	The Eya1 Phosphatase Promotes Shh Signaling during Hindbrain Development and Oncogenesis. <i>Developmental Cell</i> , 2015, 33, 22-35.	3.1	35
41	Reading the unique DNA methylation landscape of the brain: Non-CpG methylation, hydroxymethylation, and MeCP2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6800-6806.	3.3	205
42	MEF2D Drives Photoreceptor Development through a Genome-wide Competition for Tissue-Specific Enhancers. <i>Neuron</i> , 2015, 86, 247-263.	3.8	72
43	Genome-wide identification and characterization of functional neuronal activity-dependent enhancers. <i>Nature Neuroscience</i> , 2014, 17, 1330-1339.	7.1	244
44	Npas4 Regulates Excitatory-Inhibitory Balance within Neural Circuits through Cell-Type-Specific Gene Programs. <i>Cell</i> , 2014, 157, 1216-1229.	13.5	315
45	The activity-dependent transcription factor NPAS4 regulates domain-specific inhibition. <i>Nature</i> , 2013, 503, 121-125.	13.7	246
46	Activity-dependent neuronal signalling and autism spectrum disorder. <i>Nature</i> , 2013, 493, 327-337.	13.7	549
47	Activity-dependent phosphorylation of MeCP2 threonine 308 regulates interaction with NCoR. <i>Nature</i> , 2013, 499, 341-345.	13.7	206
48	Rett syndrome mutations abolish the interaction of MeCP2 with the NCoR/SMRT co-repressor. <i>Nature Neuroscience</i> , 2013, 16, 898-902.	7.1	317
49	A chemical genetic approach reveals distinct EphB signaling mechanisms during brain development. <i>Nature Neuroscience</i> , 2012, 15, 1645-1654.	7.1	33
50	Microglia Sculpt Postnatal Neural Circuits in an Activity and Complement-Dependent Manner. <i>Neuron</i> , 2012, 74, 691-705.	3.8	3,040
51	Neuronal Activity-Regulated Gene Transcription in Synapse Development and Cognitive Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005744-a005744.	2.3	426
52	Widespread transcription at neuronal activity-regulated enhancers. <i>Nature</i> , 2010, 465, 182-187.	13.7	2,120
53	Cilia and Hedgehog Signaling in the Mouse Embryo. , 2010, 102, 103-115.		9
54	Protein Transport in and out of the Endoplasmic Reticulum. , 2010, 102, 51-72.		0

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55	Tracking the Road from Inflammation to Cancer: the Critical Role of I $\kappa$ B Kinase (IKK). , 2010, 102, 133-151.		8
56	Signaling Networks that Control Synapse Development and Cognitive Function. , 2010, 102, 73-102.		1
57	Basal Bodies: Their Roles in Generating Asymmetry. , 2010, 102, 17-50.		1
58	New Insights in the Biology of BDNF Synthesis and Release: Implications in CNS Function. Journal of Neuroscience, 2009, 29, 12764-12767.	1.7	511
59	Activity-dependent regulation of inhibitory synapse development by Npas4. Nature, 2008, 455, 1198-1204.	13.7	518
60	Identification of Newly Transcribed RNA. Current Protocols in Molecular Biology, 2007, 78, Unit 4.10.	2.9	50
61	Derepression of BDNF Transcription Involves Calcium-Dependent Phosphorylation of MeCP2. Science, 2003, 302, 885-889.	6.0	1,138
62	CREB Transcriptional Activity in Neurons Is Regulated by Multiple, Calcium-Specific Phosphorylation Events. Neuron, 2002, 34, 221-233.	3.8	261
63	Induction of a Nerve Growth Factor-Sensitive Kinase that Phosphorylates the DNA-Binding Domain of the Orphan Nuclear Receptor NGFI-B. Journal of Neurochemistry, 2002, 65, 1780-1788.	2.1	16
64	The E2F1 $\alpha$ 3 transcription factors are essential for cellular proliferation. Nature, 2001, 414, 457-462.	13.7	545
65	Neuronal Activity-Dependent Cell Survival Mediated by Transcription Factor MEF2. Science, 1999, 286, 785-790.	6.0	485
66	CREB: A Stimulus-Induced Transcription Factor Activated by A Diverse Array of Extracellular Signals. Annual Review of Biochemistry, 1999, 68, 821-861.	5.0	1,940
67	Ca <sup>2+</sup> channel-regulated neuronal gene expression. Journal of Neurobiology, 1998, 37, 171-189.	3.7	183
68	Calcium Phosphate Transfection of DNA into Neurons in Primary Culture. Current Protocols in Neuroscience, 1998, 3, 3.11.1-3.11.6.	2.6	25
69	Ca <sup>2+</sup> channel-regulated neuronal gene expression. , 1998, 37, 171.		6
70	Neurotrophin Regulation of Gene Expression. Canadian Journal of Neurological Sciences, 1997, 24, 272-283.	0.3	32
71	Spatial features of calcium-regulated gene expression. BioEssays, 1997, 19, 657-660.	1.2	36
72	Calcium regulation of gene expression in neuronal cells. Journal of Neurobiology, 1994, 25, 294-303.	3.7	307

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73	Identification of Newly Transcribed RNA. <i>Current Protocols in Molecular Biology</i> , 1994, 26, 4.10.1.	2.9	3
74	Regulation of Cyclic AMP Response Element-Binding Protein (CREB) Phosphorylation by Acute and Chronic Morphine in the Rat Locus Coeruleus. <i>Journal of Neurochemistry</i> , 1992, 58, 1168-1171.	2.1	186
75	Stimulation of 3T3 cells induces transcription of the c-fos proto-oncogene. <i>Nature</i> , 1984, 311, 433-438.	13.7	3,227
76	Active Members. , 0, , 179-189.		0
77	Former Officers of the Harvey Society. , 0, , 153-168.		0