Anirvan Ghosh

List of Publications by Year
in descending order

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Version: 2024-02-01

61	11,605	53789 45	118840 62
papers	citations	h-index	g-index

63	63	63	12805
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Sparse Probabilistic Code Underlies the Limits of Behavioral Discrimination. Cerebral Cortex, 2020, 30, 1040-1055.	2.9	8
2	Proteomic analyses reveal misregulation of LIN28 expression and delayed timing of glial differentiation in human iPS cells with MECP2 loss-of-function. PLoS ONE, 2019, 14, e0212553.	2.5	23
3	Amyloid Accumulation Drives Proteome-wide Alterations in Mouse Models of Alzheimerâ€™s Disease-like Pathology. Cell Reports, 2017, 21, 2614-2627.	6.4	56
4	Specification of synaptic connectivity by cell surface interactions. Nature Reviews Neuroscience, 2016, 17, 4-4.	10.2	274
5	The Sorting Receptor SorCS1 Regulates Trafficking of Neurexin and AMPA Receptors. Neuron, 2015, 87, 764-780.	8.1	71
6	Specific Disruption of Hippocampal Mossy Fiber Synapses in a Mouse Model of Familial Alzheimer's Disease. PLoS ONE, 2014, 9, e84349.	2.5	27
7	Chemogenetic Synaptic Silencing of Neural Circuits Localizes a Hypothalamusâ†’Midbrain Pathway for Feeding Behavior. Neuron, 2014, 82, 797-808.	8.1	378
8	Control of neural circuit formation by leucine-rich repeat proteins. Trends in Neurosciences, 2014, 37, 539-550.	8.6	78
9	LPHN3, a presynaptic adhesion-GPCR implicated in ADHD, regulates the strength of neocortical layer 2/3 synaptic input to layer 5. Neural Development, 2014, 9, 7.	2.4	61
10	Ecto-Fc MS identifies ligand-receptor interactions through extracellular domain Fc fusion protein baits and shotgun proteomic analysis. Nature Protocols, 2014, 9, 2061-2074.	12.0	21
11	Unbiased Discovery of Glypican as a Receptor for LRRTM4 in Regulating Excitatory Synapse Development. Neuron, 2013, 79, 696-711.	8.1	134
12	Dendritic Development. , 2013, , 457-478.		0
13	FLRT Proteins Are Endogenous Latrophilin Ligands and Regulate Excitatory Synapse Development. Neuron, 2012, 73, 903-910.	8.1	221
14	Inhibition of SRGAP2 Function by Its Human-Specific Paralogs Induces Neoteny during Spine Maturation. Cell, 2012, 149, 923-935.	28.9	375
15	Differences in AMPA and Kainate Receptor Interactomes Facilitate Identification of AMPA Receptor Auxiliary Subunit GSG1L. Cell Reports, 2012, 1, 590-598.	6.4	169
16	NGL-2 Regulates Input-Specific Synapse Development in CA1 Pyramidal Neurons. Neuron, 2012, 76, 762-775.	8.1	63
17	Role of Leucine-Rich Repeat Proteins in the Development and Function of Neural Circuits. Annual Review of Cell and Developmental Biology, 2011, 27, 697-729.	9.4	133
18	Regulation of synaptic stability by AMPA receptor reverse signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 367-372.	7.1	39

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19	Investigating synapse formation and function using human pluripotent stem cell-derived neurons. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3005-3010.	7.1	133
20	Molecular Mechanisms of Synaptic Specificity inÂDeveloping Neural Circuits. Neuron, 2010, 68, 9-18.	8.1	154
21	TOX3 regulates calcium-dependent transcription in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2909-2914.	7.1	68
22	LRRTM2 Interacts with Neurexin1 and Regulates Excitatory Synapse Formation. Neuron, 2009, 64, 799-806.	8.1	338
23	A Calcium-Dependent Switch in a CREST-BRG1 Complex Regulates Activity-Dependent Gene Expression. Neuron, 2008, 60, 775-787.	8.1	106
24	A Brief History of Neuronal Gene Expression: Regulatory Mechanisms and Cellular Consequences. Neuron, 2008, 60, 449-455.	8.1	33
25	Regulation of Dendritic Development by Neuron-Specific Chromatin Remodeling Complexes. Neuron, 2007, 56, 94-108.	8.1	346
26	Transcriptional regulation of vertebrate axon guidance and synapse formation. Nature Reviews Neuroscience, 2007, 8, 331-340.	10.2	153
27	Regulation of Thalamocortical Patterning and Synaptic Maturation by NeuroD2. Neuron, 2006, 49, 683-695.	8.1	104
28	Calcium Activation of the LMO4 Transcription Complex and Its Role in the Patterning of Thalamocortical Connections. Journal of Neuroscience, 2006, 26, 8398-8408.	3.6	79
29	Regulation of dendritic development by calcium signaling. Cell Calcium, 2005, 37, 411-416.	2.4	96
30	BDNF regulates primary dendrite formation in cortical neurons via the PI3-kinase and MAP kinase signaling pathways. Journal of Neurobiology, 2005, 62, 278-288.	3.6	151
31	Regulation of dendritic development by neuronal activity. Journal of Neurobiology, 2005, 64, 4-10.	3.6	80
32	Regulation of dendritic growth by calcium and neurotrophin signaling. Progress in Brain Research, 2005, 147, 15-27.	1.4	35
33	Regulation of cortical dendrite development by Rap1 signaling. Molecular and Cellular Neurosciences, 2005, 28, 215-228.	2.2	49
34	Calcium Signaling and the Control of Dendritic Development. Neuron, 2005, 46, 401-405.	8.1	232
35	Regulation of dendritic length and branching by semaphorin 3A. Journal of Neurobiology, 2004, 58, 403-412.	3.6	93
36	Dendrite Development Regulated by CREST, a Calcium-Regulated Transcriptional Activator. Science, 2004, 303, 197-202.	12.6	245

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37	The Slice Overlay Assay: A Versatile Tool to Study the Influence of Extracellular Signals on Neuronal Development. Science Signaling, 2002, 2002, pl9-pl9.	3.6	116
38	NEUROBIOLOGY: Learning More About NMDA Receptor Regulation. Science, 2002, 295, 449-451.	12.6	31
39	Molecular Control of Cortical Dendrite Development. Annual Review of Neuroscience, 2002, 25, 127-149.	10.7	256
40	Regulation of Cortical Dendrite Development by Slit-Robo Interactions. Neuron, 2002, 33, 47-61.	8.1	247
41	Calcium Regulation of Dendritic Growth via CaM Kinase IV and CREB-Mediated Transcription. Neuron, 2002, 34, 999-1010.	8.1	423
42	Activity-dependent regulation of dendritic growth and patterning. Nature Reviews Neuroscience, 2002, 3, 803-812.	10.2	610
43	Control of cortical interneuron migration by neurotrophins and PI3-kinase signaling. Development (Cambridge), 2002, 129, 3147-3160.	2.5	300
44	The role of Notch and Rho GTPase signaling in the control of dendritic development. Current Opinion in Neurobiology, 2001, 11, 111-117.	4.2	108
45	Sequential specification of neurons and glia by developmentally regulated extracellular factors. Development (Cambridge), 2001, 128, 3585-3594.	2.5	116
46	Nuclear Notch1 signaling and the regulation of dendritic development. Nature Neuroscience, 2000, 3, 30-40.	14.8	291
47	Semaphorin 3A is a chemoattractant for cortical apical dendrites. Nature, 2000, 404, 567-573.	27.8	642
48	Molecular mechanisms underlying activity-dependent regulation of BDNF expression. Journal of Neurobiology, 1999, 41, 127-134.	3.6	145
49	Regulation of CBP-Mediated Transcription by Neuronal Calcium Signaling. Neuron, 1999, 22, 799-808.	8.1	215
50	Molecular mechanisms underlying activity-dependent regulation of BDNF expression. Journal of Neurobiology, 1999, 41, 127.	3.6	2
51	Identification of a Signaling Pathway Involved in Calcium Regulation of BDNF Expression. Neuron, 1998, 20, 727-740.	8.1	658
52	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
53	Regulation of Dendritic Growth and Remodeling by Rho, Rac, and Cdc42. Neuron, 1997, 19, 625-634.	8.1	474
54	Neurotrophins: New roles for a seasoned cast. Current Biology, 1997, 7, R627-R630.	3.9	21

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55	Axons follow Reelin routes. Nature, 1997, 385, 23-24.	27.8	15
56	Cortical development: With an eye on neurotrophins. Current Biology, 1996, 6, 130-133.	3.9	21
57	Distinct roles for bFGF and NT-3 in the regulation of cortical neurogenesis. Neuron, 1995, 15, 89-103.	8.1	447
58	Subplate Neurons and the Patterning of Thalamocortial Connections. Novartis Foundation Symposium, 1995, 193, 150-172.	1.1	5
59	Calcium regulation of gene expression in neuronal cells. Journal of Neurobiology, 1994, 25, 294-303.	3.6	307
60	Requirement for BDNF in Activity-Dependent Survival of Cortical Neurons. Science, 1994, 263, 1618-1623.	12.6	935
61	Requirement for subplate neurons in the formation of thalamocortical connections. Nature, 1990, 347, 179-181.	27.8	561