Andrei Rozov

List of Publications by Year
in descending order

33 papers	5,235 citations	304701 22 h-index	434170 31 g-index
33 all docs	33 docs citations	33 times ranked	5801 citing authors

#	Article	IF	Citations
1	Lactate Attenuates Synaptic Transmission and Affects Brain Rhythms Featuring High Energy Expenditure. IScience, 2020, 23, 101316.	4.1	33
2	The Ever-Growing Puzzle of Asynchronous Release. Frontiers in Cellular Neuroscience, 2019, 13, 28.	3.7	22
3	Overexpression of Calretinin Enhances Short-Term Synaptic Depression. Frontiers in Cellular Neuroscience, 2019, 13, 91.	3.7	1
4	The Role of Polyamine-Dependent Facilitation of Calcium Permeable AMPARs in Short-Term Synaptic Enhancement. Frontiers in Cellular Neuroscience, 2018, 12, 345.	3.7	9
5	Functional Analysis of Recombinant Channels in Host Cells Using a Fast Agonist Application System. Methods in Molecular Biology, 2017, 1677, 163-169.	0.9	0
6	Selective Extracellular Stimulation of Pharmacologically Distinct CCK/CB1R Positive Interneuron to Pyramidal Cell Perisomatic Inhibitory Synapses. BioNanoScience, 2017, 7, 345-348.	3.5	1
7	Stimulation Pattern-Dependent Plasticity at Hippocampal CCK-Positive Interneuron to Pyramidal Cell Perisomatic Inhibitory Synapses. BioNanoScience, 2017, 7, 130-131.	3.5	0
8	Layer Specific Development of Neocortical Pyramidal to Fast Spiking Cell Synapses. Frontiers in Cellular Neuroscience, 2016, 9, 518.	3.7	3
9	GABABR-Dependent Long-Term Depression at Hippocampal Synapses between CB1-Positive Interneurons and CA1 Pyramidal Cells. Frontiers in Cellular Neuroscience, 2016, 10, 4.	3.7	19
10	The Relative Contribution of NMDARs to Excitatory Postsynaptic Currents is Controlled by Ca2+-Induced Inactivation. Frontiers in Cellular Neuroscience, 2016, 10, 12.	3.7	8
11	Causal Interrogation of Neuronal Networks and Behavior through Virally Transduced Ivermectin Receptors. Frontiers in Molecular Neuroscience, 2016, 9, 75.	2.9	8
12	Fast interaction between AMPA and NMDA receptors by intracellular calcium. Cell Calcium, 2016, 60, 407-414.	2.4	21
13	GluA2-lacking AMPA receptors in hippocampal CA1 cell synapses: evidence from gene-targeted mice. Frontiers in Molecular Neuroscience, 2012, 5, 22.	2.9	45
14	Homer1 gene products orchestrate Ca2+-permeable AMPA receptor distribution and LTP expression. Frontiers in Synaptic Neuroscience, 2012, 4, 4.	2.5	27
15	In vivo evidence for the involvement of the carboxy terminal domain in assembling connexin 36 at the electrical synapse. Molecular and Cellular Neurosciences, 2010, 45, 47-58.	2.2	29
16	Two Calretinin-Positive GABAergic Cell Types in Layer 2/3 of the Mouse Neocortex Provide Different Forms of Inhibition. Cerebral Cortex, 2009, 19, 1345-1359.	2.9	128
17	Recruitment of Parvalbumin-Positive Interneurons Determines Hippocampal Function and Associated Behavior. Neuron, 2007, 53, 591-604.	8.1	462
18	Presynaptic Ca2+ dynamics, Ca2+ buffers and synaptic efficacy. Cell Calcium, 2005, 37, 489-495.	2.4	76

#	Article	IF	Citations
19	Target-Specific Regulation of Synaptic Amplitudes in the Neocortex. Journal of Neuroscience, 2005, 25, 1024-1033.	3.6	32
20	A Juvenile form of Postsynaptic Hippocampal Longâ€Term Potentiation in Mice Deficient for the AMPA Receptor Subunit GluRâ€A. Journal of Physiology, 2003, 553, 843-856.	2.9	120
21	Ca2+ Buffer Saturation Underlies Paired Pulse Facilitation in Calbindin-D28k-Containing Terminals. Neuron, 2003, 38, 79-88.	8.1	239
22	A Novel Network of Multipolar Bursting Interneurons Generates Theta Frequency Oscillations in Neocortex. Neuron, 2003, 38, 805-817.	8.1	288
23	<i>In Vivo</i>Labeling of Parvalbumin-Positive Interneurons and Analysis of Electrical Coupling in Identified Neurons. Journal of Neuroscience, 2002, 22, 7055-7064.	3.6	282
24	Impaired Electrical Signaling Disrupts Gamma Frequency Oscillations in Connexin 36-Deficient Mice. Neuron, 2001, 31, 487-495.	8.1	479
25	Increased Seizure Susceptibility in Mice Lacking Metabotropic Glutamate Receptor 7. Journal of Neuroscience, 2001, 21, 8734-8745.	3.6	183
26	Conditional Restoration of Hippocampal Synaptic Potentiation in GluR-A-Deficient Mice. Science, 2001, 292, 2501-2504.	12.6	111
27	Point mutation in an AMPA receptor gene rescues lethality in mice deficient in the RNA-editing enzyme ADAR2. Nature, 2000, 406, 78-81.	27.8	884
28	Dysfunctions in Mice by NMDA Receptor Point Mutations NR1(N598Q) and NR1(N598R). Journal of Neuroscience, 2000, 20, 2558-2566.	3.6	68
29	Polyamine-dependent facilitation of postsynaptic AMPA receptors counteracts paired-pulse depression. Nature, 1999, 401, 594-598.	27.8	174
30	Neurological dysfunctions in mice expressing different levels of the Q/R siteâ€œunedited AMPAR subunit GluRâ€œB. Nature Neuroscience, 1999, 2, 57-64.	14.8	216
31	Importance of AMPA Receptors for Hippocampal Synaptic Plasticity But Not for Spatial Learning. Science, 1999, 284, 1805-1811.	12.6	747
32	Facilitation of currents through rat Ca2+-permeable AMPA receptor channels by activity-dependent relief from polyamine block. Journal of Physiology, 1998, 511, 361-377.	2.9	101
33	Importance of the Intracellular Domain of NR2 Subunits for NMDA Receptor Function In Vivo. Cell, 1998, 92, 279-289.	28.9	419