

# Ivan Y Pavlov

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,717  
citations

331670

21  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Syndecan-3-Deficient Mice Exhibit Enhanced LTP and Impaired Hippocampus-Dependent Memory. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 158-172.	2.2	156
2	Astrocytic GABA transporter activity modulates excitatory neurotransmission. <i>Nature Communications</i> , 2016, 7, 13572.	12.8	144
3	Differential triggering of spontaneous glutamate release by P/Q-, N- and R-type Ca <sup>2+</sup> channels. <i>Nature Neuroscience</i> , 2013, 16, 1754-1763.	14.8	130
4	A functional role for both $\beta$ -aminobutyric acid (GABA) transporter $\beta$ 1 and GABA transporter $\beta$ 3 in the modulation of extracellular GABA and GABAergic tonic conductances in the rat hippocampus. <i>Journal of Physiology</i> , 2013, 591, 2429-2441.	2.9	118
5	Outwardly Rectifying Tonicity Active GABA <sub>A</sub> Receptors in Pyramidal Cells Modulate Neuronal Offset, Not Gain. <i>Journal of Neuroscience</i> , 2009, 29, 15341-15350.	3.6	111
6	Processing acoustic change and novelty in newborn infants. <i>European Journal of Neuroscience</i> , 2007, 26, 265-274.	2.6	95
7	Progressive loss of phasic, but not tonic, GABA <sub>A</sub> receptor-mediated inhibition in dentate granule cells in a model of post-traumatic epilepsy in rats. <i>Neuroscience</i> , 2011, 194, 208-219.	2.3	88
8	Role of Heparin-Binding Growth-Associated Molecule (HB-GAM) in Hippocampal LTP and Spatial Learning Revealed by Studies on Overexpressing and Knockout Mice. <i>Molecular and Cellular Neurosciences</i> , 2002, 20, 330-342.	2.2	85
9	GABA-Independent GABA <sub>A</sub> Receptor Openings Maintain Tonic Currents. <i>Journal of Neuroscience</i> , 2013, 33, 3905-3914.	3.6	85
10	KCC2 overexpression prevents the paradoxical seizure-promoting action of somatic inhibition. <i>Nature Communications</i> , 2019, 10, 1225.	12.8	75
11	GABAergic Interneurons in Seizures: Investigating Causality With Optogenetics. <i>Neuroscientist</i> , 2019, 25, 344-358.	3.5	71
12	Cholinergic Axons Modulate GABAergic Signaling among Hippocampal Interneurons via Postsynaptic $\alpha$ 7 Nicotinic Receptors. <i>Journal of Neuroscience</i> , 2007, 27, 5683-5693.	3.6	68
13	Cortical inhibition, pH and cell excitability in epilepsy: what are optimal targets for antiepileptic interventions?. <i>Journal of Physiology</i> , 2013, 591, 765-774.	2.9	64
14	Tonic GABA <sub>A</sub> conductance bidirectionally controls interneuron firing pattern and synchronization in the CA3 hippocampal network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 504-509.	7.1	56
15	Ih-mediated depolarization enhances the temporal precision of neuronal integration. <i>Nature Communications</i> , 2011, 2, 199.	12.8	54
16	Activity blockade increases the number of functional synapses in the hippocampus of newborn rats. <i>Molecular and Cellular Neurosciences</i> , 2003, 22, 107-117.	2.2	52
17	Tonic GABA <sub>A</sub> receptor-mediated signalling in temporal lobe epilepsy. <i>Neuropharmacology</i> , 2013, 69, 55-61.	4.1	52
18	Optogenetic approaches to treat epilepsy. <i>Journal of Neuroscience Methods</i> , 2016, 260, 215-220.	2.5	44

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19	The Two Thrombospondin Type I Repeat Domains of the Heparin-binding Growth-associated Molecule Bind to Heparin/Heparan Sulfate and Regulate Neurite Extension and Plasticity in Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2005, 280, 41576-41583.	3.4	38
20	Synaptic GABA release prevents GABA transporter type-1 reversal during excessive network activity. <i>Nature Communications</i> , 2015, 6, 6597.	12.8	31
21	The role of ECM molecules in activity-dependent synaptic development and plasticity. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2004, 72, 12-24.	3.6	30
22	Synergistic action of GABA-A and NMDA receptors in the induction of long-term depression in glutamatergic synapses in the newborn rat hippocampus. <i>European Journal of Neuroscience</i> , 2004, 20, 3019-3026.	2.6	22
23	Altered Synaptic Dynamics and Hippocampal Excitability but Normal Long-Term Plasticity in Mice Lacking Hyperpolarizing GABA <sub>A</sub> Receptor-Mediated Inhibition in CA1 Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2008, 99, 3075-3089.	1.8	21
24	Activity Clamp Provides Insights into Paradoxical Effects of the Anti-Seizure Drug Carbamazepine. <i>Journal of Neuroscience</i> , 2017, 37, 5484-5495.	3.6	10
25	A 'sustain pedal' in the hippocampus?. <i>Nature Neuroscience</i> , 2010, 13, 146-148.	14.8	5
26	The Two Thrombospondin Type I Repeat Domains of HB-GAM Display a Cooperative Function in N-syndecan Binding and Regulation of Synaptic Plasticity. <i>Scientific World Journal</i> , The, 2006, 6, 406-409.	2.1	4
27	How much inhibition in an epileptiform burst?. <i>Journal of Physiology</i> , 2010, 588, 17-18.	2.9	3
28	From Treatment to Cure. <i>International Review of Neurobiology</i> , 2014, 114, 279-299.	2.0	2
29	Computational Sophistication at a Single GABAergic Connection. <i>Neuron</i> , 2009, 63, 716-718.	8.1	1
30	The Role of Extrasynaptic GABA <sub>A</sub> Receptors in Focal Epilepsy. <i>Receptors</i> , 2014, , 207-221.	0.2	0