

# Roger Janz

## List of Publications by Year in descending order

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41  
papers

4,954  
citations

147801

31  
h-index

265206

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4955  
citing authors

#	ARTICLE	IF	CITATIONS
1	SV2 Is the Protein Receptor for Botulinum Neurotoxin A. <i>Science</i> , 2006, 312, 592-596.	12.6	691
2	Natural light-gated anion channels: A family of microbial rhodopsins for advanced optogenetics. <i>Science</i> , 2015, 349, 647-650.	12.6	575
3	Rab3A is essential for mossy fibre long-term potentiation in the hippocampus. <i>Nature</i> , 1997, 388, 590-593.	27.8	336
4	SV2A and SV2B Function as Redundant Ca <sup>2+</sup> Regulators in Neurotransmitter Release. <i>Neuron</i> , 1999, 24, 1003-1016.	8.1	324
5	Essential Roles in Synaptic Plasticity for Synaptogyrin I and Synaptophysin I. <i>Neuron</i> , 1999, 24, 687-700.	8.1	289
6	Synaptophysin, a major synaptic vesicle protein, is not essential for neurotransmitter release.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4760-4764.	7.1	223
7	Glycosylated SV2A and SV2B Mediate the Entry of Botulinum Neurotoxin E into Neurons. <i>Molecular Biology of the Cell</i> , 2008, 19, 5226-5237.	2.1	218
8	SV2C is a synaptic vesicle protein with an unusually restricted localization: anatomy of a synaptic vesicle protein family. <i>Neuroscience</i> , 1999, 94, 1279-1290.	2.3	188
9	Rabphilin Knock-Out Mice Reveal That Rabphilin Is Not Required for Rab3 Function in Regulating Neurotransmitter Release. <i>Journal of Neuroscience</i> , 1999, 19, 5834-5846.	3.6	162
10	A Role for cAMP in Long-Term Depression at Hippocampal Mossy Fiber Synapses. <i>Neuron</i> , 1998, 21, 837-845.	8.1	154
11	Physical and Functional Interaction between the Dopamine Transporter and the Synaptic Vesicle Protein Synaptogyrin-3. <i>Journal of Neuroscience</i> , 2009, 29, 4592-4604.	3.6	115
12	Mechanism of Action of rab3A in Mossy Fiber LTP. <i>Neuron</i> , 1998, 21, 1141-1150.	8.1	109
13	Adenylyl cyclase I regulates AMPA receptor trafficking during mouse cortical 'barrel' map development. <i>Nature Neuroscience</i> , 2003, 6, 939-947.	14.8	103
14	SV2 Acts via Presynaptic Calcium to Regulate Neurotransmitter Release. <i>Neuron</i> , 2010, 66, 884-895.	8.1	101
15	The Expanding Family of Natural Anion Channelrhodopsins Reveals Large Variations in Kinetics, Conductance, and Spectral Sensitivity. <i>Scientific Reports</i> , 2017, 7, 43358.	3.3	90
16	Characterization of a Highly Efficient Blue-shifted Channelrhodopsin from the Marine Alga <i>Platymonas subcordiformis</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 29911-29922.	3.4	88
17	SCAMP1 Function in Endocytosis. <i>Journal of Biological Chemistry</i> , 2000, 275, 12752-12756.	3.4	85
18	Synaptogyrins Regulate Ca <sup>2+</sup> -dependent Exocytosis in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 18893-18901.	3.4	84

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19	Differential distribution and developmental expression of synaptic vesicle protein 2 isoforms in the mouse retina. <i>Journal of Comparative Neurology</i> , 2003, 460, 106-122.	1.6	84
20	SVOP, an Evolutionarily Conserved Synaptic Vesicle Protein, Suggests Novel Transport Functions of Synaptic Vesicles. <i>Journal of Neuroscience</i> , 1998, 18, 9269-9281.	3.6	83
21	SV2B Regulates Synaptotagmin 1 by Direct Interaction. <i>Journal of Biological Chemistry</i> , 2004, 279, 52124-52131.	3.4	83
22	Cyclosporine A-induced hypertension involves synapsin in renal sensory nerve endings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9765-9770.	7.1	81
23	An Open Resource for Non-human Primate Optogenetics. <i>Neuron</i> , 2020, 108, 1075-1090.e6.	8.1	79
24	Structure of synaptogyrin (p29) defines novel synaptic vesicle protein.. <i>Journal of Cell Biology</i> , 1995, 131, 1801-1809.	5.2	77
25	Cellugyrin, a Novel Ubiquitous Form of Synaptogyrin That Is Phosphorylated by pp60c-. <i>Journal of Biological Chemistry</i> , 1998, 273, 2851-2857.	3.4	63
26	Genetic evidence for a protein-kinase-A-mediated presynaptic component in NMDA-receptor-dependent forms of long-term synaptic potentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9365-9370.	7.1	62
27	Syntaxin 3b is a t-SNARE specific for ribbon synapses of the retina. <i>Journal of Comparative Neurology</i> , 2008, 510, 550-559.	1.6	58
28	Syntaxin 3B is essential for the exocytosis of synaptic vesicles in ribbon synapses of the retina. <i>Neuroscience</i> , 2010, 166, 832-841.	2.3	52
29	Role of Efficient Neurotransmitter Release in Barrel Map Development. <i>Journal of Neuroscience</i> , 2006, 26, 2692-2703.	3.6	50
30	SV2A and SV2C are not vesicular Ca <sup>2+</sup> transporters but control glucose-evoked granule recruitment. <i>Journal of Cell Science</i> , 2005, 118, 5647-5660.	2.0	48
31	Characterization of synaptogyrin 3 as a new synaptic vesicle protein. <i>Journal of Comparative Neurology</i> , 2004, 470, 266-281.	1.6	37
32	Phosphorylation of syntaxin 3B by CaMKII regulates the formation of t-SNARE complexes. <i>Molecular and Cellular Neurosciences</i> , 2014, 60, 53-62.	2.2	31
33	Extending the Time Domain of Neuronal Silencing with Cryptophyte Anion Channelrhodopsins. <i>ENeuro</i> , 2018, 5, ENEURO.0174-18.2018.	1.9	27
34	Integration of cortical population signals for visual perception. <i>Nature Communications</i> , 2019, 10, 3832.	12.8	25
35	Simultaneous Release of Multiple Vesicles from Rods Involves Synaptic Ribbons and Syntaxin 3B. <i>Biophysical Journal</i> , 2020, 118, 967-979.	0.5	18
36	Characterization of a Brain-Specific Sp1-Like Activity Interacting with an Unusual Binding Site within the Myelin Proteolipid Protein Promoter. <i>Biological Chemistry Hoppe-Seyler</i> , 1993, 374, 507-518.	1.4	15

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37	Pathogenic STX3 variants affecting the retinal and intestinal transcripts cause an early-onset severe retinal dystrophy in microvillus inclusion disease subjects. <i>Human Genetics</i> , 2021, 140, 1143-1156.	3.8	13
38	Two Pools of Vesicles Associated with Synaptic Ribbons Are Molecularly Prepared for Release. <i>Biophysical Journal</i> , 2017, 113, 2281-2298.	0.5	12
39	Phosphorylation of the Retinal Ribbon Synapse Specific t-SNARE Protein Syntaxin3B Is Regulated by Light via a Ca <sup>2+</sup> -Dependent Pathway. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 587072.	3.7	10
40	The <sc>SNARE</sc> regulator Complexin3 is a target of the cone circadian clock. <i>Journal of Comparative Neurology</i> , 2021, 529, 1066-1080.	1.6	6
41	A Systematic Approach to Studying Synaptic Function in Vertebrates. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1995, 60, 309-314.	1.1	2