

# Sandra M Bajjalieh

## List of Publications by Year in descending order

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30  
papers

3,345  
citations

304743

22  
h-index

501196

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3165  
citing authors

#	ARTICLE	IF	CITATIONS
1	The synaptic vesicle protein SV2A is the binding site for the antiepileptic drug levetiracetam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9861-9866.	7.1	1,431
2	Synaptic Vesicle Protein 2 Enhances Release Probability at Quiescent Synapses. <i>Journal of Neuroscience</i> , 2006, 26, 1303-1313.	3.6	193
3	SV2 modulates the size of the readily releasable pool of secretory vesicles. <i>Nature Cell Biology</i> , 2001, 3, 691-698.	10.3	191
4	The Biochemistry of Neurotransmitter Secretion. <i>Journal of Biological Chemistry</i> , 1995, 270, 1971-1974.	3.4	177
5	Protein Quantification at the Single Vesicle Level Reveals That a Subset of Synaptic Vesicle Proteins Are Trafficked with High Precision. <i>Journal of Neuroscience</i> , 2011, 31, 1461-1470.	3.6	147
6	Cotraficking of SV2 and Synaptotagmin at the Synapse. <i>Journal of Neuroscience</i> , 2010, 30, 5569-5578.	3.6	145
7	Isoform-specific, Calcium-regulated Interaction of the Synaptic Vesicle Proteins SV2 and Synaptotagmin. <i>Journal of Biological Chemistry</i> , 1996, 271, 27770-27775.	3.4	130
8	SV2 regulates neurotransmitter release via multiple mechanisms. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C960-C967.	4.6	108
9	Deconvolving Single-Molecule Intensity Distributions for Quantitative Microscopy Measurements. <i>Biophysical Journal</i> , 2007, 92, 2926-2943.	0.5	82
10	SV2A and SV2C contain a unique synaptotagmin-binding site. <i>Molecular and Cellular Neurosciences</i> , 2005, 29, 56-64.	2.2	77
11	Ceramide 1-Phosphate Phosphatase Activity in Brain. <i>Journal of Neurochemistry</i> , 1993, 61, 2279-2285.	3.9	74
12	Phosphorylation of Synaptic Vesicle Protein 2 Modulates Binding to Synaptotagmin. <i>Journal of Biological Chemistry</i> , 2000, 275, 17195-17200.	3.4	63
13	Levetiracetam Reverses Synaptic Deficits Produced by Overexpression of SV2A. <i>PLoS ONE</i> , 2011, 6, e29560.	2.5	58
14	MuLK, a Eukaryotic Multi-substrate Lipid Kinase. <i>Journal of Biological Chemistry</i> , 2004, 279, 38228-38235.	3.4	55
15	Overlapping functions of stonin 2 and SV2 in sorting of the calcium sensor synaptotagmin 1 to synaptic vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7297-7302.	7.1	54
16	Synaptic vesicle docking and fusion. <i>Current Opinion in Neurobiology</i> , 1999, 9, 321-328.	4.2	50
17	Large Structural Change in Isolated Synaptic Vesicles upon Loading with Neurotransmitter. <i>Biophysical Journal</i> , 2009, 97, 2577-2584.	0.5	46
18	Loss of the Synaptic Vesicle Protein SV2B Results in Reduced Neurotransmission and Altered Synaptic Vesicle Protein Expression in the Retina. <i>PLoS ONE</i> , 2009, 4, e5230.	2.5	46

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19	Synaptic Vesicle Protein 2 Binds Adenine Nucleotides. <i>Journal of Biological Chemistry</i> , 2008, 283, 20628-20634.	3.4	40
20	Synaptic vesicle protein 2: A multi-faceted regulator of secretion. <i>Seminars in Cell and Developmental Biology</i> , 2019, 95, 130-141.	5.0	34
21	The heterotrimeric G protein subunit G $\beta$ i is present on mitochondria. <i>FEBS Letters</i> , 2007, 581, 5765-5768.	2.8	27
22	Determining the number of specific proteins in cellular compartments by quantitative microscopy. <i>Nature Protocols</i> , 2011, 6, 1953-1968.	12.0	27
23	Measurements of the Acidification Kinetics of Single Synaptotfluorin Vesicles. <i>Biophysical Journal</i> , 2011, 101, 1580-1589.	0.5	22
24	SVOP Is a Nucleotide Binding Protein. <i>PLoS ONE</i> , 2009, 4, e5315.	2.5	21
25	Single-Axonal Organelle Analysis Method Reveals New Protein-Motor Associations. <i>ACS Chemical Neuroscience</i> , 2013, 4, 277-284.	3.5	14
26	Characterization of the Functional Domains of a Mammalian Voltage-Sensitive Phosphatase. <i>Biophysical Journal</i> , 2015, 109, 2480-2491.	0.5	13
27	Single-Molecule Fluorescence Quantification with a Photobleached Internal Standard. <i>Analytical Chemistry</i> , 2012, 84, 10522-10525.	6.5	12
28	Loss of the SV2-like Protein SVOP Produces No Apparent Deficits in Laboratory Mice. <i>PLoS ONE</i> , 2013, 8, e68215.	2.5	8
29	Corrigendum to "The heterotrimeric G protein subunit G $\beta$ i is present on mitochondria" [FEBS Lett. 581 (2007) 5765-5768]. <i>FEBS Letters</i> , 2008, 582, 841-841.	2.8	0
30	Synaptic Vesicle Protein 2 (SV2) does not hydrolyze ATP. <i>F1000Research</i> , 0, 2, 209.	1.6	0