Jacqueline BurrÃ©

List of Publications by Year
in descending order

26 papers	4,685 citations	331538 21 h-index	552653 26 g-index
29 all docs	29 docs citations	29 times ranked	5684 citing authors

#	Article	IF	Citations
1	Î±-Synuclein Promotes SNARE-Complex Assembly in Vivo and in Vitro. Science, 2010, 329, 1663-1667.	6.0	1,476
2	The Synaptic Function of Î±-Synuclein. Journal of Parkinson's Disease, 2015, 5, 699-713.	1.5	421
3	Î±-Synuclein assembles into higher-order multimers upon membrane binding to promote SNARE complex formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4274-83.	3.3	382
4	Cell Biology and Pathophysiology of Î±-Synuclein. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a024091.	2.9	353
5	Native Î±-synuclein induces clustering of synaptic-vesicle mimics via binding to phospholipids and synaptobrevin-2/VAMP2. ELife, 2013, 2, e00592.	2.8	275
6	Properties of native brain Î±-synuclein. Nature, 2013, 498, E4-E6.	13.7	271
7	CSPÎ± promotes SNARE-complex assembly by chaperoning SNAP-25 during synaptic activity. Nature Cell Biology, 2011, 13, 30-39.	4.6	203
8	Definition of a Molecular Pathway Mediating Î±-Synuclein Neurotoxicity. Journal of Neuroscience, 2015, 35, 5221-5232.	1.7	168
9	Systematic Mutagenesis of Î±-Synuclein Reveals Distinct Sequence Requirements for Physiological and Pathological Activities. Journal of Neuroscience, 2012, 32, 15227-15242.	1.7	145
10	Immunoisolation of two synaptic vesicle pools from synaptosomes: a proteomics analysis. Journal of Neurochemistry, 2005, 95, 1732-1745.	2.1	141
11	CSPÎ± knockout causes neurodegeneration by impairing SNAP-25 function. EMBO Journal, 2012, 31, 829-841.	3.5	129
12	Analysis of the synaptic vesicle proteome using three gel-based protein separation techniques. Proteomics, 2006, 6, 6250-6262.	1.3	106
13	The synaptic vesicle proteome. Journal of Neurochemistry, 2007, 101, 1448-1462.	2.1	91
14	Synaptotagmin-1 and -7 Are Redundantly Essential for Maintaining the Capacity of the Readily-Releasable Pool of Synaptic Vesicles. PLoS Biology, 2015, 13, e1002267.	2.6	71
15	Mechanism-based rescue of Munc18-1 dysfunction in varied encephalopathies by chemical chaperones. Nature Communications, 2018, 9, 3986.	5.8	61
16	Proteasome Inhibition Alleviates SNARE-Dependent Neurodegeneration. Science Translational Medicine, 2012, 4, 147ra113.	5.8	58
17	Microsecond Dissection of Neurotransmitter Release: SNARE-Complex Assembly Dictates Speed and Ca2+ Sensitivity. Neuron, 2014, 82, 1088-1100.	3.8	56
18	STXBP1 encephalopathies: Clinical spectrum, disease mechanisms, and therapeutic strategies. Journal of Neurochemistry, 2021, 157, 165-178.	2.1	56

#	Article	IF	Citations
19	Modulating membrane binding of Î±-synuclein as a therapeutic strategy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1223-1225.	3.3	51
20	Synaptic vesicle proteins under conditions of rest and activation: Analysis by 2-D difference gel electrophoresis. Electrophoresis, 2006, 27, 3488-3496.	1.3	45
21	Identification and characterization of SV31, a novel synaptic vesicle membrane protein and potential transporter. Journal of Neurochemistry, 2007, 103, 276-287.	2.1	31
22	Synaptic vesicle binding of Î±-synuclein is modulated by Î²- and Î³-synucleins. Cell Reports, 2022, 39, 110675.	2.9	25
23	Immunoisolation and subfractionation of synaptic vesicle proteins. Analytical Biochemistry, 2007, 362, 172-181.	1.1	17
24	Functional and Pathological Effects of Î±-Synuclein on Synaptic SNARE Complexes. Journal of Molecular Biology, 2023, 435, 167714.	2.0	17
25	Aggregation of mutant cysteine string protein-Î± via Feâ€“S cluster binding is mitigated by iron chelators. Nature Structural and Molecular Biology, 2020, 27, 192-201.	3.6	16
26	Targeted stabilization of Munc18â€1 function via pharmacological chaperones. EMBO Molecular Medicine, 2021, 13, e12354.	3.3	12