Rafael Fernandez-Chacon

List of Publications by Year
in descending order

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38 papers	5,359 citations	186265 28 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	5901 citing authors

#	Article	IF	Citations
1	Î±-Synuclein Cooperates with CSPÎ± in Preventing Neurodegeneration. Cell, 2005, 123, 383-396.	28.9	895
2	Synaptotagmin I functions as a calcium regulator of release probability. Nature, 2001, 410, 41-49.	27.8	857
3	Release of secretory products during transient vesicle fusion. Nature, 1993, 363, 554-558.	27.8	578
4	The Synaptic Vesicle Protein CSPÎ± Prevents Presynaptic Degeneration. Neuron, 2004, 42, 237-251.	8.1	254
5	Synaptotagmin VII as a Plasma Membrane Ca2+ Sensor in Exocytosis. Neuron, 2001, 30, 459-473.	8.1	207
6	Hypoxia induces voltage-dependent Ca2+ entry and quantal dopamine secretion in carotid body glomus cells.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10208-10211.	7.1	198
7	A Trimeric Protein Complex Functions as a Synaptic Chaperone Machine. Neuron, 2001, 31, 987-999.	8.1	196
8	Deletion of CASK in mice is lethal and impairs synaptic function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2525-2530.	7.1	189
9	Multiple Internalization Pathways of Polyelectrolyte Multilayer Capsules into Mammalian Cells. ACS Nano, 2013, 7, 6605-6618.	14.6	174
10	GENETICS OF SYNAPTIC VESICLE FUNCTION: Toward the Complete Functional Anatomy of an Organelle. Annual Review of Physiology, 1999, 61, 753-776.	13.1	171
11	The Making of Neurexins. Journal of Neurochemistry, 1998, 71, 1339-1347.	3.9	149
12	Oxygen sensing by ion channels and chemotransduction in single glomus cells.. Journal of General Physiology, 1996, 107, 133-143.	1.9	139
13	Structure/Function Analysis of Ca²⁺Binding to the C₂A Domain of Synaptotagmin 1. Journal of Neuroscience, 2002, 22, 8438-8446.	3.6	122
14	Rab3D Is Not Required for Exocrine Exocytosis but for Maintenance of Normally Sized Secretory Granules. Molecular and Cellular Biology, 2002, 22, 6487-6497.	2.3	121
15	Autism-like phenotype and risk gene mRNA deadenylation by CPEB4 mis-splicing. Nature, 2018, 560, 441-446.	27.8	113
16	Examining Synaptotagmin 1 Function in Dense Core Vesicle Exocytosis under Direct Control of Ca2+. Journal of General Physiology, 2003, 122, 265-276.	1.9	100
17	SCAMP1 Function in Endocytosis. Journal of Biological Chemistry, 2000, 275, 12752-12756.	3.4	85
18	A <scp>POGLUT</scp> 1 mutation causes a muscular dystrophy with reduced Notch signaling and satellite cell loss. EMBO Molecular Medicine, 2016, 8, 1289-1309.	6.9	84

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19	The Subcellular Localizations of Atypical Synaptotagmins III and VI. Journal of Biological Chemistry, 1999, 274, 18290-18296.	3.4	82
20	CSPÂ-deficiency causes massive and rapid photoreceptor degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2926-2931.	7.1	80
21	Novel SCAMPs Lacking NPF Repeats: Ubiquitous and Synaptic Vesicle-Specific Forms Implicate SCAMPs in Multiple Membrane-Trafficking Functions. Journal of Neuroscience, 2000, 20, 7941-7950.	3.6	79
22	Cysteine String Protein-Î± Prevents Activity-Dependent Degeneration in GABAergic Synapses. Journal of Neuroscience, 2010, 30, 7377-7391.	3.6	75
23	Cytosolic calcium facilitates release of secretory products after exocytotic vesicle fusion. FEBS Letters, 1995, 363, 221-225.	2.8	68
24	Motorneurons Require Cysteine String Protein-Î± to Maintain the Readily Releasable Vesicular Pool and Synaptic Vesicle Recycling. Neuron, 2012, 74, 151-165.	8.1	59
25	Analysis of SCAMP1 Function in Secretory Vesicle Exocytosis by Means of Gene Targeting in Mice. Journal of Biological Chemistry, 1999, 274, 32551-32554.	3.4	55
26	Monitoring Synaptic Function at the Neuromuscular Junction of a Mouse Expressing SynaptopHluorin. Journal of Neuroscience, 2007, 27, 5422-5430.	3.6	49
27	Increased Neurotransmitter Release at the Neuromuscular Junction in a Mouse Model of Polyglutamine Disease. Journal of Neuroscience, 2011, 31, 1106-1113.	3.6	39
28	Recycling and EH domain proteins at the synapse. Brain Research Reviews, 2005, 49, 416-428.	9.0	29
29	Presynaptic dysfunction in Huntington's disease. Biochemical Society Transactions, 2010, 38, 488-492.	3.4	26
30	Loss of postnatal quiescence of neural stem cells through mTOR activation upon genetic removal of cysteine string protein-Î±. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8000-8009.	7.1	26
31	Active zones for presynaptic plasticity in the brain. Molecular Psychiatry, 2005, 10, 185-200.	7.9	23
32	Two for the Price of One: A Neuroprotective Chaperone Kit within NAD Synthase Protein NMNAT2. PLoS Biology, 2016, 14, e1002522.	5.6	11
33	Different dynamin blockers interfere with distinct phases of synaptic endocytosis during stimulation in motoneurones. Journal of Physiology, 2015, 593, 2867-2888.	2.9	10
34	Substantia nigra dopaminergic neurons and striatal interneurons are engaged in three parallel but interdependent postnatal neurotrophic circuits. Aging Cell, 2018, 17, e12821.	6.7	9
35	Presynaptic neurodegeneration: CSP-Î±/DNAJC5 at the synaptic vesicle cycle and beyond. Current Opinion in Physiology, 2018, 4, 65-69.	1.8	5
36	Presynaptic NMDA receptors mediate potentiation of neurotransmitter release. Molecular Psychiatry, 2005, 10, 131-131.	7.9	1

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37	Toward the Inner Nanostructure of a Secretory Vesicle. ACS Nano, 2017, 11, 3429-3432.	14.6	1
38	Editorial on the Special Issue on SNARE Proteins: A Long Journey of Science in Brain Health and Disease. Neuroscience, 2019, 420, 1-3.	2.3	0