

Marc L Fivaz

List of Publications by Year in descending order

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42
papers

2,881
citations

279798

23
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

3802
citing authors

#	ARTICLE	IF	CITATIONS
1	Live-cell imaging reveals sequential oligomerization and local plasma membrane targeting of stromal interaction molecule 1 after Ca ²⁺ store depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9301-9306.	7.1	561
2	A Pore-forming Toxin Interacts with a GPI-anchored Protein and Causes Vacuolation of the Endoplasmic Reticulum. <i>Journal of Cell Biology</i> , 1998, 140, 525-540.	5.2	211
3	Differential sorting and fate of endocytosed GPI-anchored proteins. <i>EMBO Journal</i> , 2002, 21, 3989-4000.	7.8	203
4	Parkin Protects against LRRK2 G2019S Mutant-Induced Dopaminergic Neurodegeneration in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2009, 29, 11257-11262.	3.6	193
5	Membrane insertion: The strategies of toxins (Review). <i>Molecular Membrane Biology</i> , 1997, 14, 45-64.	2.0	153
6	Reversible intracellular translocation of KRas but not HRas in hippocampal neurons regulated by Ca ²⁺ /calmodulin. <i>Journal of Cell Biology</i> , 2005, 170, 429-441.	5.2	133
7	The Pore-forming Toxin Proaerolysin Is Activated by Furin. <i>Journal of Biological Chemistry</i> , 1998, 273, 32656-32661.	3.4	130
8	Adventures of a pore-forming toxin at the target cell surface. <i>Trends in Microbiology</i> , 2000, 8, 168-172.	7.7	129
9	Late Endosomal Cholesterol Accumulation Leads to Impaired Intra-Endosomal Trafficking. <i>PLoS ONE</i> , 2007, 2, e851.	2.5	119
10	Robust Neuronal Symmetry Breaking by Ras-Triggered Local Positive Feedback. <i>Current Biology</i> , 2008, 18, 44-50.	3.9	110
11	Cross-talk between Caveolae and Glycosylphosphatidylinositol-rich Domains. <i>Journal of Biological Chemistry</i> , 2001, 276, 30729-30736.	3.4	81
12	Aerolysin Induces G-protein Activation and Ca ²⁺ Release from Intracellular Stores in Human Granulocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 18122-18129.	3.4	71
13	Landing on lipid rafts. <i>Trends in Cell Biology</i> , 1999, 9, 212-213.	7.9	70
14	Liprin-1, ERC1 and LL5 identify a polarized, dynamic compartment implicated in cell migration. <i>Journal of Cell Science</i> , 2014, 127, 3862-76.	2.0	65
15	Impaired spatial memory and enhanced long-term potentiation in mice with forebrain-specific ablation of the Stim genes. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 180.	2.0	65
16	Lanosterol induces mitochondrial uncoupling and protects dopaminergic neurons from cell death in a model for Parkinson's disease. <i>Cell Death and Differentiation</i> , 2012, 19, 416-427.	11.2	60
17	STIM2 regulates PKA-dependent phosphorylation and trafficking of AMPARs. <i>Molecular Biology of the Cell</i> , 2015, 26, 1141-1159.	2.1	51
18	Sensitivity of Polarized Epithelial Cells to the Pore-Forming Toxin Aerolysin. <i>Infection and Immunity</i> , 2003, 71, 739-746.	2.2	49

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19	Specific Localization and Timing in Neuronal Signal Transduction Mediated by Protein-Lipid Interactions. <i>Neuron</i> , 2003, 40, 319-330.	8.1	44
20	Not as simple as just punching a hole. <i>Toxicon</i> , 2001, 39, 1637-1645.	1.6	41
21	Analysis of glycosyl phosphatidylinositol-anchored proteins by two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2000, 21, 3351-3356.	2.4	38
22	Viral Small T Oncoproteins Transform Cells by Alleviating Hippo-Pathway-Mediated Inhibition of the YAP Proto-oncogene. <i>Cell Reports</i> , 2014, 8, 707-713.	6.4	36
23	Dimer Dissociation of the Pore-forming Toxin Aerolysin Precedes Receptor Binding. <i>Journal of Biological Chemistry</i> , 1999, 274, 37705-37708.	3.4	26
24	The small GTPase HRas shapes local PI3K signals through positive feedback and regulates persistent membrane extension in migrating fibroblasts. <i>Molecular Biology of the Cell</i> , 2013, 24, 2228-2237.	2.1	26
25	Spines and neurite branches function as geometric attractors that enhance protein kinase C action. <i>Journal of Cell Biology</i> , 2005, 170, 1147-1158.	5.2	25
26	Neuronal SOCE: Myth or Reality?. <i>Trends in Cell Biology</i> , 2016, 26, 890-893.	7.9	24
27	STIM2 regulates AMPA receptor trafficking and plasticity at hippocampal synapses. <i>Neurobiology of Learning and Memory</i> , 2017, 138, 54-61.	1.9	23
28	The tip of a molecular syringe. <i>Trends in Microbiology</i> , 1999, 7, 341-343.	7.7	20
29	Dynamics of GPI-anchored proteins on the surface of living cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006, 2, 1-7.	3.3	20
30	Fully-automated image processing software to analyze calcium traces in populations of single cells. <i>Cell Calcium</i> , 2010, 48, 270-274.	2.4	16
31	miR-27b shapes the presynaptic transcriptome and influences neurotransmission by silencing the polycomb group protein Bmi1. <i>BMC Genomics</i> , 2016, 17, 777.	2.8	16
32	Hierarchical temporal processing deficit model of reality distortion and psychoses. <i>Molecular Psychiatry</i> , 2011, 16, 129-144.	7.9	15
33	Stimulation of Synaptic Vesicle Exocytosis by the Mental Disease Gene DISC1 is Mediated by N-Type Voltage-Gated Calcium Channels. <i>Frontiers in Synaptic Neuroscience</i> , 2016, 8, 15.	2.5	14
34	Surface dynamics of aerolysin on the plasma membrane of living cells. <i>International Journal of Medical Microbiology</i> , 2000, 290, 363-367.	3.6	13
35	Generation and characterisation of two D2A1 mammary cancer sublines to model spontaneous and experimental metastasis in a syngeneic BALB/c host. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	11
36	High-content imaging of presynaptic assembly. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 66.	3.7	9

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37	Asian promise: the state and future of collaborations in neuroscience. <i>Nature Reviews Neuroscience</i> , 2008, 9, 881-884.	10.2	3
38	Feedback-mediated neuronal competition for survival cues regulates innervation of a target tissue. <i>BioEssays</i> , 2008, 30, 929-933.	2.5	2
39	Editorial: Imaging Synapse Structure and Function. <i>Frontiers in Synaptic Neuroscience</i> , 2016, 8, 36.	2.5	1
40	Analysis of glycosyl phosphatidylinositol-anchored proteins by two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2000, 21, 3351-3356.	2.4	1
41	A pore-forming toxin leads to vacuolation of the endoplasmic reticulum. <i>Biology of the Cell</i> , 1998, 90, 98-99.	2.0	0
42	10 Membranolytic toxins. <i>Methods in Microbiology</i> , 2002, , 189-206.	0.8	0