

Paul De Koninck

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,887
citations

759233

12
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

3117
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of CaM Kinase II to the Frequency of Ca ²⁺ Oscillations. <i>Science</i> , 1998, 279, 227-230.	12.6	1,222
2	Interaction with the NMDA receptor locks CaMKII in an active conformation. <i>Nature</i> , 2001, 411, 801-805.	27.8	636
3	CaMKII Triggers the Diffusional Trapping of Surface AMPARs through Phosphorylation of Stargazin. <i>Neuron</i> , 2010, 67, 239-252.	8.1	351
4	Transition from Reversible to Persistent Binding of CaMKII to Postsynaptic Sites and NR2B. <i>Journal of Neuroscience</i> , 2006, 26, 1164-1174.	3.6	223
5	A Mechanism for Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Clustering at Synaptic and Nonsynaptic Sites Based on Self-Association. <i>Journal of Neuroscience</i> , 2005, 25, 6971-6983.	3.6	148
6	Translocation of CaMKII to dendritic microtubules supports the plasticity of local synapses. <i>Journal of Cell Biology</i> , 2012, 198, 1055-1073.	5.2	69
7	Gold nanoparticle-assisted all optical localized stimulation and monitoring of Ca ²⁺ signaling in neurons. <i>Scientific Reports</i> , 2016, 6, 20619.	3.3	55
8	A machine learning approach for online automated optimization of super-resolution optical microscopy. <i>Nature Communications</i> , 2018, 9, 5247.	12.8	43
9	Neuronal activity remodels the F-actin based submembrane lattice in dendrites but not axons of hippocampal neurons. <i>Scientific Reports</i> , 2020, 10, 11960.	3.3	32
10	FRET-FLIM Investigation of PSD95-NMDA Receptor Interaction in Dendritic Spines; Control by Calpain, CaMKII and Src Family Kinase. <i>PLoS ONE</i> , 2014, 9, e112170.	2.5	28
11	The dynamic interplay between ATP/ADP levels and autophagy sustain neuronal migration in vivo. <i>ELife</i> , 2020, 9, .	6.0	26
12	Opposite Control of Excitatory and Inhibitory Synapse Formation by Slitrk2 and Slitrk5 on Dopamine Neurons Modulates Hyperactivity Behavior. <i>Cell Reports</i> , 2020, 30, 2374-2386.e5.	6.4	21
13	Fluorescence lifetime imaging nanoscopy for measuring Förster resonance energy transfer in cellular nanodomains. <i>Neurophotonics</i> , 2019, 6, 1.	3.3	17
14	Hyperspectral multiplex single-particle tracking of different receptor subtypes labeled with quantum dots in live neurons. <i>Journal of Biomedical Optics</i> , 2016, 21, 046008.	2.6	8
15	Toward an integrative neurovascular framework for studying brain networks. <i>Neurophotonics</i> , 2022, 9, 032211.	3.3	3
16	Graduate programs in biophotonics: unique transdisciplinary training in applied photonics for the life sciences. , 2019, , .		0