

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 | Toward an integrative neurovascular framework for studying brain networks. <i>Neurophotonics</i> , 2022, 9, 032211. | 3.3 | 3 |
| 2 | 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 |
| 3 | 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 |
| 4 | The dynamic interplay between ATP/ADP levels and autophagy sustain neuronal migration in vivo. <i>ELife</i> , 2020, 9, . | 6.0 | 26 |
| 5 | Fluorescence lifetime imaging nanoscopy for measuring Förster resonance energy transfer in cellular nanodomains. <i>Neurophotonics</i> , 2019, 6, 1. | 3.3 | 17 |
| 6 | Graduate programs in biophotonics: unique transdisciplinary training in applied photonics for the life sciences. , 2019, , . | | 0 |
| 7 | A machine learning approach for online automated optimization of super-resolution optical microscopy. <i>Nature Communications</i> , 2018, 9, 5247. | 12.8 | 43 |
| 8 | 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 |
| 9 | 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 |
| 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 | 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 |
| 12 | CaMKII Triggers the Diffusional Trapping of Surface AMPARs through Phosphorylation of Stargazin. <i>Neuron</i> , 2010, 67, 239-252. | 8.1 | 351 |
| 13 | 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 |
| 14 | 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 |
| 15 | Interaction with the NMDA receptor locks CaMKII in an active conformation. <i>Nature</i> , 2001, 411, 801-805. | 27.8 | 636 |
| 16 | Sensitivity of CaM Kinase II to the Frequency of Ca ²⁺ Oscillations. <i>Science</i> , 1998, 279, 227-230. | 12.6 | 1,222 |