

Carsten Hille

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8834669/publications.pdf>

Version: 2024-02-01

22
papers

406
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

710
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Time-domain fluorescence lifetime imaging for intracellular pH sensing in living tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1871-1879. | 3.7 | 72 |
| 2 | A moonlighting role for enzymes of glycolysis in the co-localization of mitochondria and chloroplasts. <i>Nature Communications</i> , 2020, 11, 4509. | 12.8 | 47 |
| 3 | Two-photon fluorescence lifetime imaging of intracellular chloride in cockroach salivary glands. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 319-327. | 2.9 | 43 |
| 4 | Simultaneous Fluorescence and Phosphorescence Lifetime Imaging Microscopy in Living Cells. <i>Scientific Reports</i> , 2015, 5, 14334. | 3.3 | 41 |
| 5 | Fluorescence study of drug-carrier interactions in CTAB/PBS buffer model systems. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 251-261. | 9.4 | 31 |
| 6 | Two-photon microscopy and fluorescence lifetime imaging reveal stimulus-induced intracellular Na ⁺ and Cl ⁻ changes in cockroach salivary acinar cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C1323-C1336. | 4.6 | 25 |
| 7 | Time-resolved fluorescence microscopy for quantitative Ca ²⁺ imaging in living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8525-8537. | 3.7 | 18 |
| 8 | Study on intracellular delivery of liposome encapsulated quantum dots using advanced fluorescence microscopy. <i>Scientific Reports</i> , 2019, 9, 10504. | 3.3 | 18 |
| 9 | Femtosecond-Pulsed Laser Written and Etched Fiber Bragg Gratings for Fiber-Optical Biosensing. <i>Sensors</i> , 2018, 18, 2844. | 3.8 | 17 |
| 10 | Binding affinity data of DNA aptamers for therapeutic anthracyclines from microscale thermophoresis and surface plasmon resonance spectroscopy. <i>Analyst</i> , The, 2019, 144, 6064-6073. | 3.5 | 17 |
| 11 | Characterisation of neurotransmitter-induced electrolyte transport in cockroach salivary glands by intracellular Ca ²⁺ , Na ⁺ and pH measurements in duct cells. <i>Journal of Experimental Biology</i> , 2008, 211, 568-576. | 1.7 | 16 |
| 12 | Dopamine-induced graded intracellular Ca ²⁺ elevation via the Na ⁺ /Ca ²⁺ exchanger operating in the Ca ²⁺ -entry mode in cockroach salivary ducts. <i>Cell Calcium</i> , 2006, 39, 305-311. | 2.4 | 12 |
| 13 | A vacuolar-type H ⁺ -ATPase and a Na ⁺ /H ⁺ exchanger contribute to intracellular pH regulation in cockroach salivary ducts. <i>Journal of Experimental Biology</i> , 2007, 210, 1463-1471. | 1.7 | 10 |
| 14 | Binary phase masks for easy system alignment and basic aberration sensing with spatial light modulators in STED microscopy. <i>Scientific Reports</i> , 2017, 7, 15699. | 3.3 | 8 |
| 15 | The in vivo mechanics of the magnetotactic backbone as revealed by correlative FLIM-FRET and STED microscopy. <i>Scientific Reports</i> , 2019, 9, 19615. | 3.3 | 7 |
| 16 | Asante Calcium Green and Asante Calcium Red—Novel Calcium Indicators for Two-Photon Fluorescence Lifetime Imaging. <i>PLoS ONE</i> , 2014, 9, e105334. | 2.5 | 7 |
| 17 | Local tissue manipulation via a force- and pressure-controlled AFM micropipette for analysis of cellular processes. <i>Scientific Reports</i> , 2018, 8, 5892. | 3.3 | 5 |
| 18 | Upgrade of a Scanning Confocal Microscope to a Single-Beam Path STED Microscope. <i>PLoS ONE</i> , 2015, 10, e0130717. | 2.5 | 5 |

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|----|---|-----|-----------|
| 19 | A Multifunctional Frontloading Approach for Repeated Recycling of a Pressure-Controlled AFM Micropipette. PLoS ONE, 2015, 10, e0144157. | 2.5 | 3 |
| 20 | pH and chloride recordings in living cells using two-photon fluorescence lifetime imaging microscopy. Proceedings of SPIE, 2010, , . | 0.8 | 2 |
| 21 | Diffraction-Unlimited Fluorescence Imaging with an EasySTED Retrofitted Confocal Microscope. Methods in Molecular Biology, 2017, 1663, 29-44. | 0.9 | 1 |
| 22 | TCSPC based approaches for multiparameter detection in living cells. Proceedings of SPIE, 2014, , . | 0.8 | 0 |