Horst Wallrabe

List of Publications by Year
in descending order

32 papers	1,946 citations	471509 17 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	2468 citing authors

#	Article	IF	Citations
1	Characterization of phototoxic effects in multiphoton FLIM. , 2022, , .		0
2	SOD1 mediates lysosome-to-mitochondria communication and its dysregulation by amyloid-Î² oligomers. Neurobiology of Disease, 2022, 169, 105737.	4.4	7
3	Characterization of mitochondrial dysfunction due to laser damage by 2-photon FLIM microscopy. Scientific Reports, 2022, 12, .	3.3	7
4	Mitochondria-localized AMPK responds to local energetics and contributes to exercise and energetic stress-induced mitophagy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	75
5	Optimization of FLIM imaging, fitting and analysis for auto-fluorescent NAD(P)H and FAD in cells and tissues. Methods and Applications in Fluorescence, 2020, 8, 024001.	2.3	8
6	Multiphoton FLIM imaging of NAD(P)H and FAD with one excitation wavelength. Journal of Biomedical Optics, 2020, 25, 1.	2.6	35
7	Intraneuronal Tau Misfolding Induced by Extracellular Amyloid-Î² Oligomers. Journal of Alzheimer's Disease, 2019, 71, 1125-1138.	2.6	18
8	Singleâ€cell redox states analyzed by fluorescence lifetime metrics and tryptophan FRET interaction with NAD(P)H. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 110-121.	1.5	25
9	FLIM Imaging of NAD(P)H to track metabolic changes of non-adherent leukemia cells using micro cell trapping arrays. , 2019, , .		1
10	7 FLIM-FRET microscopy. , 2018, , 141-162.		2
11	Segmented cell analyses to measure redox states of autofluorescent NAD(P)H, FAD & Trp in cancer cells by FLIM. Scientific Reports, 2018, 8, 79.	3.3	73
12	A novel lysosomeâ€toâ€mitochondria signaling pathway disrupted by amyloidâ€Î² oligomers. EMBO Journal, 2018, 37, .	7.8	47
13	Investigation of Mitochondrial Metabolic Response to Doxorubicin in Prostate Cancer Cells: An NADH, FAD and Tryptophan FLIM Assay. Scientific Reports, 2017, 7, 10451.	3.3	79
14	mTOR and neuronal cell cycle reentry: How impaired brain insulin signaling promotes Alzheimer's disease. Alzheimer's and Dementia, 2017, 13, 152-167.	0.8	65
15	Threeâ€color confocal FÃ¶rster (or fluorescence) resonance energy transfer microscopy: Quantitative analysis of protein interactions in the nucleation of actin filaments in live cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 580-588.	1.5	9
16	Comprehensive quantitative evaluation of FLIM-FRET microscopy. Proceedings of SPIE, 2015, , .	0.8	0
17	Association of Myosin Va and Schwann cells-derived RNA in mammal myelinated axons, analyzed by immunocytochemistry and confocal FRET microscopy. Methods, 2014, 66, 153-161.	3.8	8
18	IQGAP1 interactome analysis by in vitro reconstitution and live cell 3â€color FRET microscopy. Cytoskeleton, 2013, 70, 819-836.	2.0	12

#	Article	IF	Citations
19	Myosin-Va-Dependent Cell-To-Cell Transfer of RNA from Schwann Cells to Axons. PLoS ONE, 2013, 8, e61905.	2.5	26
20	Three-color FRET expands the ability to quantify the interactions of several proteins involved in actin nucleation. Proceedings of SPIE, 2012, 8226, .	0.8	4
21	FRET Microscopy in 2010: The Legacy of Theodor FÃ¶rster on the 100th Anniversary of his Birth. ChemPhysChem, 2011, 12, 462-474.	2.1	131
22	Three-Color Spectral FRET Microscopy Localizes Three Interacting Proteins in Living Cells. Biophysical Journal, 2010, 99, 1274-1283.	0.5	59
23	FRET imaging of multiple focal planes to analyze the organization and conformation of transferrin-receptor in polarized cells. , 2009, , .		0
24	Chapter 22 Quantitation of Proteinâ€“Protein Interactions. Methods in Cell Biology, 2008, 89, 569-598.	1.1	53
25	IQGAP1 regulates cell motility by linking growth factor signaling to actin assembly. Journal of Cell Science, 2007, 120, 658-669.	2.0	118
26	Issues in confocal microscopy for quantitative FRET analysis. Microscopy Research and Technique, 2006, 69, 196-206.	2.2	47
27	Confocal FRET and FLIM microscopy to characterize the distribution of transferrin receptors in membranes. , 2006, 6089, 24.		2
28	Imaging protein molecules using FRET and FLIM microscopy. Current Opinion in Biotechnology, 2005, 16, 19-27.	6.6	672
29	Confocal FRET Microscopy: Study of Clustered Distribution of Receptorâ€“Ligand Complexes in Endocytic Membranes. , 2005, , 95-111.		3
30	Confocal FRET Microscopy to Measure Clustering of Ligand-Receptor Complexes in Endocytic Membranes. Biophysical Journal, 2003, 85, 559-571.	0.5	104
31	Characterization of one- and two-photon excitation fluorescence resonance energy transfer microscopy. Methods, 2003, 29, 58-73.	3.8	213
32	One- and two-photon fluorescence resonance energy transfer microscopy to establish a clustered distribution of receptor-ligand complexes in endocytic membranes. Journal of Biomedical Optics, 2003, 8, 339.	2.6	43