

# Horst Wallrabe

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Imaging protein molecules using FRET and FLIM microscopy. <i>Current Opinion in Biotechnology</i> , 2005, 16, 19-27.	6.6	672
2	Characterization of one- and two-photon excitation fluorescence resonance energy transfer microscopy. <i>Methods</i> , 2003, 29, 58-73.	3.8	213
3	FRET Microscopy in 2010: The Legacy of Theodor Förster on the 100th Anniversary of his Birth. <i>ChemPhysChem</i> , 2011, 12, 462-474.	2.1	131
4	IQGAP1 regulates cell motility by linking growth factor signaling to actin assembly. <i>Journal of Cell Science</i> , 2007, 120, 658-669.	2.0	118
5	Confocal FRET Microscopy to Measure Clustering of Ligand-Receptor Complexes in Endocytic Membranes. <i>Biophysical Journal</i> , 2003, 85, 559-571.	0.5	104
6	Investigation of Mitochondrial Metabolic Response to Doxorubicin in Prostate Cancer Cells: An NADH, FAD and Tryptophan FLIM Assay. <i>Scientific Reports</i> , 2017, 7, 10451.	3.3	79
7	Mitochondria-localized AMPK responds to local energetics and contributes to exercise and energetic stress-induced mitophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	75
8	Segmented cell analyses to measure redox states of autofluorescent NAD(P)H, FAD & Trp in cancer cells by FLIM. <i>Scientific Reports</i> , 2018, 8, 79.	3.3	73
9	mTOR and neuronal cell cycle reentry: How impaired brain insulin signaling promotes Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2017, 13, 152-167.	0.8	65
10	Three-Color Spectral FRET Microscopy Localizes Three Interacting Proteins in Living Cells. <i>Biophysical Journal</i> , 2010, 99, 1274-1283.	0.5	59
11	Chapter 22 Quantitation of Protein-Protein Interactions. <i>Methods in Cell Biology</i> , 2008, 89, 569-598.	1.1	53
12	Issues in confocal microscopy for quantitative FRET analysis. <i>Microscopy Research and Technique</i> , 2006, 69, 196-206.	2.2	47
13	A novel lysosome-mitochondria signaling pathway disrupted by amyloid $\beta$ oligomers. <i>EMBO Journal</i> , 2018, 37, .	7.8	47
14	One- and two-photon fluorescence resonance energy transfer microscopy to establish a clustered distribution of receptor-ligand complexes in endocytic membranes. <i>Journal of Biomedical Optics</i> , 2003, 8, 339.	2.6	43
15	Multiphoton FLIM imaging of NAD(P)H and FAD with one excitation wavelength. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	35
16	Myosin-Va-Dependent Cell-To-Cell Transfer of RNA from Schwann Cells to Axons. <i>PLoS ONE</i> , 2013, 8, e61905.	2.5	26
17	Single-cell redox states analyzed by fluorescence lifetime metrics and tryptophan FRET interaction with NAD(P)H. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 110-121.	1.5	25
18	Intraneuronal Tau Misfolding Induced by Extracellular Amyloid $\beta$ Oligomers. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 1125-1138.	2.6	18

#	ARTICLE	IF	CITATIONS
19	IQGAP1 interactome analysis by in vitro reconstitution and live cell 3-color FRET microscopy. Cytoskeleton, 2013, 70, 819-836.	2.0	12
20	Three-color confocal Förster (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
21	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
22	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
23	SOD1 mediates lysosome-to-mitochondria communication and its dysregulation by amyloid- $\beta^2$ oligomers. Neurobiology of Disease, 2022, 169, 105737.	4.4	7
24	Characterization of mitochondrial dysfunction due to laser damage by 2-photon FLIM microscopy. Scientific Reports, 2022, 12, .	3.3	7
25	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
26	Confocal FRET Microscopy: Study of Clustered Distribution of Receptor-Ligand Complexes in Endocytic Membranes. , 2005, , 95-111.		3
27	Confocal FRET and FLIM microscopy to characterize the distribution of transferrin receptors in membranes. , 2006, 6089, 24.		2
28	7 FLIM-FRET microscopy. , 2018, , 141-162.		2
29	FLIM Imaging of NAD(P)H to track metabolic changes of non-adherent leukemia cells using micro cell trapping arrays. , 2019, , .		1
30	FRET imaging of multiple focal planes to analyze the organization and conformation of transferrin-receptor in polarized cells. , 2009, , .		0
31	Comprehensive quantitative evaluation of FLIM-FRET microscopy. Proceedings of SPIE, 2015, , .	0.8	0
32	Characterization of phototoxic effects in multiphoton FLIM. , 2022, , .		0