

Delphine DÃ©barre

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10629354/publications.pdf>

Version: 2024-02-01

47
papers

3,241
citations

257450

24
h-index

345221

36
g-index

48
all docs

48
docs citations

48
times ranked

3280
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging lipid bodies in cells and tissues using third-harmonic generation microscopy. <i>Nature Methods</i> , 2006, 3, 47-53.	19.0	522
2	Image-based adaptive optics for two-photon microscopy. <i>Optics Letters</i> , 2009, 34, 2495.	3.3	348
3	Cell Lineage Reconstruction of Early Zebrafish Embryos Using Label-Free Nonlinear Microscopy. <i>Science</i> , 2010, 329, 967-971.	12.6	327
4	In vivo modulation of morphogenetic movements in <i>Drosophila</i> embryos with femtosecond laser pulses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1047-1052.	7.1	243
5	Image based adaptive optics through optimisation of low spatial frequencies. <i>Optics Express</i> , 2007, 15, 8176.	3.4	165
6	Multicolor two-photon tissue imaging by wavelength mixing. <i>Nature Methods</i> , 2012, 9, 815-818.	19.0	165
7	Adaptive optics for structured illumination microscopy. <i>Optics Express</i> , 2008, 16, 9290.	3.4	157
8	Three-dimensional investigation and scoring of extracellular matrix remodeling during lung fibrosis using multiphoton microscopy. <i>Microscopy Research and Technique</i> , 2007, 70, 162-170.	2.2	126
9	Use of coherent control for selective two-photon fluorescence microscopy in live organisms. <i>Optics Express</i> , 2006, 14, 759.	3.4	120
10	Accuracy of correction in modal sensorless adaptive optics. <i>Optics Express</i> , 2012, 20, 2598.	3.4	106
11	Dynamic aberration correction for multiharmonic microscopy. <i>Optics Letters</i> , 2009, 34, 3145.	3.3	80
12	Quantitative Characterization of Biological Liquids for Third-Harmonic Generation Microscopy. <i>Biophysical Journal</i> , 2007, 92, 603-612.	0.5	72
13	Signal epidetection in third-harmonic generation microscopy of turbid media. <i>Optics Express</i> , 2007, 15, 8913.	3.4	64
14	Structure sensitivity in third-harmonic generation microscopy. <i>Optics Letters</i> , 2005, 30, 2134.	3.3	63
15	Label-free imaging of bone multiscale porosity and interfaces using third-harmonic generation microscopy. <i>Scientific Reports</i> , 2017, 7, 3419.	3.3	62
16	Adaptive harmonic generation microscopy of mammalian embryos. <i>Optics Letters</i> , 2009, 34, 3154.	3.3	60
17	Mitigating Phototoxicity during Multiphoton Microscopy of Live <i>Drosophila</i> Embryos in the 1.0–1.2 μm Wavelength Range. <i>PLoS ONE</i> , 2014, 9, e104250.	2.5	59
18	Characterisation of the dynamic behaviour of lipid droplets in the early mouse embryo using adaptive harmonic generation microscopy. <i>BMC Cell Biology</i> , 2010, 11, 38.	3.0	55

#	ARTICLE	IF	CITATIONS
19	Advances in multiphoton microscopy for imaging embryos. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 538-548.	3.3	54
20	Velocimetric third-harmonic generation microscopy: a micrometer-scale quantification of morphogenetic movements in unstained embryos. <i>Optics Letters</i> , 2004, 29, 2881.	3.3	52
21	Combined third-harmonic generation and four-wave mixing microscopy of tissues and embryos. <i>Biomedical Optics Express</i> , 2011, 2, 2837.	2.9	44
22	3D resolved mapping of optical aberrations in thick tissues. <i>Biomedical Optics Express</i> , 2012, 3, 1898.	2.9	37
23	Elastohydrodynamic Lift at a Soft Wall. <i>Physical Review Letters</i> , 2018, 120, 198001.	7.8	36
24	The Conformation of Thermoresponsive Polymer Brushes Probed by Optical Reflectivity. <i>Langmuir</i> , 2016, 32, 3152-3163.	3.5	31
25	Coupling Polar Adhesion with Traction, Spring, and Torque Forces Allows High-Speed Helical Migration of the Protozoan Parasite <i>Toxoplasma</i> . <i>ACS Nano</i> , 2020, 14, 7121-7139.	14.6	30
26	Efficient second-harmonic imaging of collagen in histological slides using Bessel beam excitation. <i>Scientific Reports</i> , 2016, 6, 29863.	3.3	22
27	Probing Ordered Lipid Assemblies with Polarized Third-Harmonic-Generation Microscopy. <i>Physical Review X</i> , 2013, 3, .	8.9	20
28	Femtosecond pulse-induced microprocessing of live <i>Drosophila</i> embryos. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2005, 20, 207-216.	0.3	18
29	Third-harmonic generation microscopy with Bessel beams: a numerical study. <i>Optics Express</i> , 2012, 20, 24886.	3.4	18
30	Methodology for Reconstructing Early Zebrafish Development From In Vivo Multiphoton Microscopy. <i>IEEE Transactions on Image Processing</i> , 2012, 21, 2335-2340.	9.8	15
31	An integrated assay to probe endothelial glycocalyx-blood cell interactions under flow in mechanically and biochemically well-defined environments. <i>Matrix Biology</i> , 2019, 78-79, 47-59.	3.6	15
32	Image-based wavefront sensorless adaptive optics. , 2007, , .		10
33	Third harmonic generation imaging and analysis of the effect of low gravity on the lacuno-canalicular network of mouse bone. <i>PLoS ONE</i> , 2019, 14, e0209079.	2.5	10
34	A quartz crystal microbalance method to quantify the size of hyaluronan and other glycosaminoglycans on surfaces. <i>Scientific Reports</i> , 2022, 12, .	3.3	9
35	Assessing correction accuracy in image-based adaptive optics. , 2012, , .		5
36	Adaptive optics for multiphoton microscopy. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2

#	ARTICLE	IF	CITATIONS
37	A Method to Quantify Molecular Diffusion within Thin Solvated Polymer Films: A Case Study on Films of Natively Unfolded Nucleoporins. ACS Nano, 2020, 14, 9938-9952.	14.6	2
38	Image-based adaptive optics for imaging and microscopy. Proceedings of SPIE, 2008, , .	0.8	1
39	Optimum schemes for wavefront sensorless adaptive optics in microscopy. , 2009, , .		1
40	Processing pipeline for digitalizing the lineage tree of early zebrafish embryogenesis from multiharmonic imaging. , 2011, , .		1
41	In vivo analysis of Drosophila embryo developmental dynamics by femtosecond pulse-induced ablation and multimodal nonlinear microscopy. , 2005, 5700, 256.		0
42	Contrast mechanisms and signal detection in THG microscopy of scattering tissues. , 2008, , .		0
43	Calibration of an adaptive microscope using phase diversity. , 2012, , .		0
44	Correction precision in image-based adaptive optics for nonlinear microscopy. Proceedings of SPIE, 2012, , .	0.8	0
45	Adaptive optics for biomedical microscopy. , 2009, , .		0
46	Label-free THG imaging of bone tissue microstructure: effect of low gravity on the lacuno-canalicular network. , 2019, , .		0
47	Blood cell - vessel wall interactions probed by reflection interference contrast microscopy. , 2019, , .		0