

Delphine DÃ©barre

List of Publications by Year in descending order

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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	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
2	A Method to Quantify Molecular Diffusion within Thin Solvated Polymer Films: A Case Study on Films of Natively Unfolded Nucleoporins. <i>ACS Nano</i> , 2020, 14, 9938-9952.	14.6	2
3	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
4	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
5	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
6	Label-free THG imaging of bone tissue microstructure: effect of low gravity on the lacuno-canalicular network. , 2019, , .		0
7	Blood cell - vessel wall interactions probed by reflection interference contrast microscopy. , 2019, , .		0
8	Elastohydrodynamic Lift at a Soft Wall. <i>Physical Review Letters</i> , 2018, 120, 198001.	7.8	36
9	Label-free imaging of bone multiscale porosity and interfaces using third-harmonic generation microscopy. <i>Scientific Reports</i> , 2017, 7, 3419.	3.3	62
10	Efficient second-harmonic imaging of collagen in histological slides using Bessel beam excitation. <i>Scientific Reports</i> , 2016, 6, 29863.	3.3	22
11	The Conformation of Thermo-responsive Polymer Brushes Probed by Optical Reflectivity. <i>Langmuir</i> , 2016, 32, 3152-3163.	3.5	31
12	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
13	Probing Ordered Lipid Assemblies with Polarized Third-Harmonic-Generation Microscopy. <i>Physical Review X</i> , 2013, 3, .	8.9	20
14	3D resolved mapping of optical aberrations in thick tissues. <i>Biomedical Optics Express</i> , 2012, 3, 1898.	2.9	37
15	Accuracy of correction in modal sensorless adaptive optics. <i>Optics Express</i> , 2012, 20, 2598.	3.4	106
16	Third-harmonic generation microscopy with Bessel beams: a numerical study. <i>Optics Express</i> , 2012, 20, 24886.	3.4	18
17	Calibration of an adaptive microscope using phase diversity. , 2012, , .		0
18	Correction precision in image-based adaptive optics for nonlinear microscopy. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Assessing correction accuracy in image-based adaptive optics. , 2012, , .		5
20	Methodology for Reconstructing Early Zebrafish Development From In Vivo Multiphoton Microscopy. IEEE Transactions on Image Processing, 2012, 21, 2335-2340.	9.8	15
21	Multicolor two-photon tissue imaging by wavelength mixing. Nature Methods, 2012, 9, 815-818.	19.0	165
22	Advances in multiphoton microscopy for imaging embryos. Current Opinion in Genetics and Development, 2011, 21, 538-548.	3.3	54
23	Combined third-harmonic generation and four-wave mixing microscopy of tissues and embryos. Biomedical Optics Express, 2011, 2, 2837.	2.9	44
24	Processing pipeline for digitalizing the lineage tree of early zebrafish embryogenesis from multiharmonic imaging. , 2011, , .		1
25	Characterisation of the dynamic behaviour of lipid droplets in the early mouse embryo using adaptive harmonic generation microscopy. BMC Cell Biology, 2010, 11, 38.	3.0	55
26	Cell Lineage Reconstruction of Early Zebrafish Embryos Using Label-Free Nonlinear Microscopy. Science, 2010, 329, 967-971.	12.6	327
27	Adaptive optics for multiphoton microscopy. Proceedings of SPIE, 2009, , .	0.8	2
28	Image-based adaptive optics for two-photon microscopy. Optics Letters, 2009, 34, 2495.	3.3	348
29	Dynamic aberration correction for multiharmonic microscopy. Optics Letters, 2009, 34, 3145.	3.3	80
30	Adaptive harmonic generation microscopy of mammalian embryos. Optics Letters, 2009, 34, 3154.	3.3	60
31	Optimum schemes for wavefront sensorless adaptive optics in microscopy. , 2009, , .		1
32	Adaptive optics for biomedical microscopy. , 2009, , .		0
33	Adaptive optics for structured illumination microscopy. Optics Express, 2008, 16, 9290.	3.4	157
34	Image-based adaptive optics for imaging and microscopy. Proceedings of SPIE, 2008, , .	0.8	1
35	Contrast mechanisms and signal epidetection in THG microscopy of scattering tissues. , 2008, , .		0
36	Image based adaptive optics through optimisation of low spatial frequencies. Optics Express, 2007, 15, 8176.	3.4	165

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37	Signal detection in third-harmonic generation microscopy of turbid media. Optics Express, 2007, 15, 8913.	3.4	64
38	Image-based wavefront sensorless adaptive optics. , 2007, , .		10
39	Quantitative Characterization of Biological Liquids for Third-Harmonic Generation Microscopy. Biophysical Journal, 2007, 92, 603-612.	0.5	72
40	Three-dimensional investigation and scoring of extracellular matrix remodeling during lung fibrosis using multiphoton microscopy. Microscopy Research and Technique, 2007, 70, 162-170.	2.2	126
41	Use of coherent control for selective two-photon fluorescence microscopy in live organisms. Optics Express, 2006, 14, 759.	3.4	120
42	Imaging lipid bodies in cells and tissues using third-harmonic generation microscopy. Nature Methods, 2006, 3, 47-53.	19.0	522
43	In vivo analysis of Drosophila embryo developmental dynamics by femtosecond pulse-induced ablation and multimodal nonlinear microscopy. , 2005, 5700, 256.		0
44	Femtosecond pulse-induced microprocessing of live Drosophila embryos. Medical Laser Application: International Journal for Laser Treatment and Research, 2005, 20, 207-216.	0.3	18
45	In vivo modulation of morphogenetic movements in Drosophila embryos with femtosecond laser pulses. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1047-1052.	7.1	243
46	Structure sensitivity in third-harmonic generation microscopy. Optics Letters, 2005, 30, 2134.	3.3	63
47	Velocimetric third-harmonic generation microscopy: micrometer-scale quantification of morphogenetic movements in unstained embryos. Optics Letters, 2004, 29, 2881.	3.3	52