

Dominik Marti

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

497
citations

623734

14
h-index

794594

19
g-index

35
all docs

35
docs citations

35
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	MCmatlab: an open-source, user-friendly, MATLAB-integrated three-dimensional Monte Carlo light transport solver with heat diffusion and tissue damage. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	74
2	Selecting optimal spectral bands for improved detection of autofluorescent biomarkers in multiphoton microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	62
3	When the Genome Plays Dice: Circumvention of the Spindle Assembly Checkpoint and Near-Random Chromosome Segregation in Multipolar Cancer Cell Mitoses. <i>PLoS ONE</i> , 2008, 3, e1871.	2.5	44
4	Integrated single- and two-photon light sheet microscopy using accelerating beams. <i>Scientific Reports</i> , 2017, 7, 1435.	3.3	43
5	Liquidâ€vapour homogenisation of fluid inclusions in stalagmites: Evaluation of a new thermometer for palaeoclimate research. <i>Chemical Geology</i> , 2011, 289, 39-47.	3.3	41
6	The effect of surface tension on liquidâ€gas equilibria in isochoric systems and its application to fluid inclusions. <i>Fluid Phase Equilibria</i> , 2012, 314, 13-21.	2.5	34
7	Development of light-responsive porous polycarbonate membranes for controlled caffeine delivery. <i>RSC Advances</i> , 2013, 3, 23317.	3.6	31
8	Phosphor material dependent spot size limitations in laser lighting. <i>Optics Express</i> , 2020, 28, 5758.	3.4	26
9	Bladder tissue characterization using probeâ€based Raman spectroscopy: Evaluation of tissue heterogeneity and influence on the model prediction. <i>Journal of Biophotonics</i> , 2020, 13, e201960025.	2.3	23
10	Phyllotaxis involves auxin drainage through leaf primordia. <i>Development (Cambridge)</i> , 2015, 142, 1992-2001.	2.5	22
11	Exploration of the phase diagram of liquid water in the low-temperature metastable region using synthetic fluid inclusions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28227-28241.	2.8	22
12	Determining gypsum growth temperatures using monophasic fluid inclusionsâ€Application to the giant gypsum crystals of Naica, Mexico. <i>Geology</i> , 2013, 41, 119-122.	4.4	20
13	BPM-Matlab: an open-source optical propagation simulation tool in MATLAB. <i>Optics Express</i> , 2021, 29, 11819.	3.4	17
14	Intensity Noise Transfer Through a Diode-Pumped Titanium Sapphire Laser System. <i>IEEE Journal of Quantum Electronics</i> , 2018, 54, 1-9.	1.9	16
15	Technical Note: How accurate can stalagmite formation temperatures be determined using vapour bubble radius measurements in fluid inclusions?. <i>Climate of the Past</i> , 2015, 11, 905-913.	3.4	5
16	Metastable phase equilibria in the ice II stability field. A Raman study of synthetic high-density water inclusions in quartz. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19554-19566.	2.8	5
17	Multi-photon attenuation-compensated light-sheet fluorescence microscopy. <i>Scientific Reports</i> , 2020, 10, 8090.	3.3	4
18	Combined scattering confocal and multiphoton luminescence imaging of gold nanospheres. , 2008, , .		2

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19	Limitations to emission spot size in laser lighting. , 2020, , .		2
20	Multiphoton imaging of ultrashort pulse laser ablation in the intracellular parasite Theileria. Journal of Biomedical Optics, 2008, 13, 044021.	2.6	1
21	Multi-photon microscope driven by novel green laser pump. , 2016, , .		1
22	MCmatlab: an open-source, user-friendly, MATLAB-integrated 3D Monte Carlo light transport solver with heat diffusion and tissue damage. , 2019, , .		1
23	Dependence of the multiphoton luminescence spectrum of single gold nanoparticles on the refractive index of the surrounding medium. , 2008, , .		0
24	Determining gypsum growth temperatures using monophasic fluid inclusions Application to the giant gypsum crystals of Naica, Mexico: REPLY. Geology, 2013, 41, e306-e306.	4.4	0
25	High-power non linear frequency converted laser diodes. Proceedings of SPIE, 2015, , .	0.8	0
26	A Compact Two Photon Light Sheet Microscope for Applications in Neuroscience. , 2016, , .		0
27	Numerical Comparison of Robustness of Multimode and Multicore Fibre Sensitivity against Fibre Bending. , 2019, , .		0
28	Simple fibre based dispersion management for two-photon excited fluorescence imaging through an endoscope. , 2018, , .		0
29	Spectrally resolved multiphoton microscopy for the identification of biomarkers (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		0
30	Numerical comparison of robustness of shaped beam delivery through multimode and multicore fibre against fibre bending. , 2020, , .		0
31	Imaging the airy way: Advanced beam shaping for light-sheet microscopy at depth (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock		0
32	Multimodal method for the identification of multiphoton cancer biomarkers using 3D tumor spheroids (Conference Presentation). , 2020, , .		0