

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	BPM-Matlab: an open-source optical propagation simulation tool in MATLAB. Optics Express, 2021, 29, 11819.	3.4	17
2	Bladder tissue characterization using probeâ€¢based Raman spectroscopy: Evaluation of tissue heterogeneity and influence on the model prediction. Journal of Biophotonics, 2020, 13, e201960025.	2.3	23
3	Multi-photon attenuation-compensated light-sheet fluorescence microscopy. Scientific Reports, 2020, 10, 8090.	3.3	4
4	Limitations to emission spot size in laser lighting. , 2020, , .		2
5	Phosphor material dependent spot size limitations in laser lighting. Optics Express, 2020, 28, 5758.	3.4	26
6	Numerical comparison of robustness of shaped beam delivery through multimode and multicore fibre against fibre bending. , 2020, , .		0
7	Imaging the airy way: Advanced beam shaping for light-sheet microscopy at depth (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
8	Multimodal method for the identification of multiphoton cancer biomarkers using 3D tumor spheroids (Conference Presentation). , 2020, , .		0
9	Selecting optimal spectral bands for improved detection of autofluorescent biomarkers in multiphoton microscopy. Journal of Biomedical Optics, 2020, 25, 1.	2.6	62
10	Numerical Comparison of Robustness of Multimode and Multicore Fibre Sensitivity against Fibre Bending. , 2019, , .		0
11	Metastable phase equilibria in the ice II stability field. A Raman study of synthetic high-density water inclusions in quartz. Physical Chemistry Chemical Physics, 2019, 21, 19554-19566.	2.8	5
12	MCmatlab: an open-source, user-friendly, MATLAB-integrated 3D Monte Carlo light transport solver with heat diffusion and tissue damage. , 2019, , .		1
13	Spectrally resolved multiphoton microscopy for the identification of biomarkers (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
14	Intensity Noise Transfer Through a Diode-Pumped Titanium Sapphire Laser System. IEEE Journal of Quantum Electronics, 2018, 54, 1-9.	1.9	16
15	MCmatlab: an open-source, user-friendly, MATLAB-integrated three-dimensional Monte Carlo light transport solver with heat diffusion and tissue damage. Journal of Biomedical Optics, 2018, 23, 1.	2.6	74
16	Simple fibre based dispersion management for two-photon excited fluorescence imaging through an endoscope. , 2018, , .		0
17	Integrated single- and two-photon light sheet microscopy using accelerating beams. Scientific Reports, 2017, 7, 1435.	3.3	43
18	A Compact Two Photon Light Sheet Microscope for Applications in Neuroscience. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	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
20	Multi-photon microscope driven by novel green laser pump. , 2016, , .		1
21	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
22	Phyllotaxis involves auxin drainage through leaf primordia. <i>Development (Cambridge)</i> , 2015, 142, 1992-2001.	2.5	22
23	High-power non linear frequency converted laser diodes. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
24	Development of light-responsive porous polycarbonate membranes for controlled caffeine delivery. <i>RSC Advances</i> , 2013, 3, 23317.	3.6	31
25	Determining gypsum growth temperatures using monophasic fluid inclusions – Application to the giant gypsum crystals of Naica, Mexico. <i>Geology</i> , 2013, 41, 119-122.	4.4	20
26	Determining gypsum growth temperatures using monophasic fluid inclusions – Application to the giant gypsum crystals of Naica, Mexico: REPLY. <i>Geology</i> , 2013, 41, e306-e306.	4.4	0
27	The effect of surface tension on liquid – gas equilibria in isochoric systems and its application to fluid inclusions. <i>Fluid Phase Equilibria</i> , 2012, 314, 13-21.	2.5	34
28	Liquid – 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
29	Dependence of the multiphoton luminescence spectrum of single gold nanoparticles on the refractive index of the surrounding medium. , 2008, , .		0
30	Combined scattering confocal and multiphoton luminescence imaging of gold nanospheres. , 2008, , .		2
31	Multiphoton imaging of ultrashort pulse laser ablation in the intracellular parasite <i>Theileria</i> . <i>Journal of Biomedical Optics</i> , 2008, 13, 044021.	2.6	1
32	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