

Joachim Fischer

List of Publications by Year in descending order

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31
papers

2,270
citations

394421

19
h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

2408
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional optical laser lithography beyond the diffraction limit. <i>Laser and Photonics Reviews</i> , 2013, 7, 22-44.	8.7	523
2	Three-dimensional direct laser writing inspired by stimulated-emission-depletion microscopy [Invited]. <i>Optical Materials Express</i> , 2011, 1, 614.	3.0	252
3	The Materials Challenge in Diffraction-Unlimited Direct-Laser-Writing Optical Lithography. <i>Advanced Materials</i> , 2010, 22, 3578-3582.	21.0	222
4	Elastic Fully Three-dimensional Microstructure Scaffolds for Cell Force Measurements. <i>Advanced Materials</i> , 2010, 22, 868-871.	21.0	177
5	Three-dimensional multi-photon direct laser writing with variable repetition rate. <i>Optics Express</i> , 2013, 21, 26244.	3.4	129
6	Polymerization Kinetics in Three-dimensional Direct Laser Writing. <i>Advanced Materials</i> , 2014, 26, 6566-6571.	21.0	109
7	Three-dimensional polarization-independent visible-frequency carpet invisibility cloak. <i>Optics Letters</i> , 2011, 36, 2059.	3.3	95
8	Three-dimensional quantum photonic elements based on single nitrogen vacancy-centres in laser-written microstructures. <i>Scientific Reports</i> , 2013, 3, 1577.	3.3	93
9	Exploring the Mechanisms in STED-Enhanced Direct Laser Writing. <i>Advanced Optical Materials</i> , 2015, 3, 221-232.	7.3	71
10	Preparation of Reactive Three-dimensional Microstructures via Direct Laser Writing and Thiolene Chemistry. <i>Macromolecular Rapid Communications</i> , 2013, 34, 335-340.	3.9	69
11	Three-dimensional Microscaffolds Exhibiting Spatially Resolved Surface Chemistry. <i>Advanced Materials</i> , 2013, 25, 6117-6122.	21.0	68
12	<i>In-situ</i> local temperature measurement during three-dimensional direct laser writing. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	66
13	Titania Woodpiles with Complete Three-dimensional Photonic Bandgaps in the Visible. <i>Advanced Materials</i> , 2013, 25, 3588-3592.	21.0	60
14	Optical Phase Cloaking of 700nm Light Waves in the Far Field by a Three-Dimensional Carpet Cloak. <i>Physical Review Letters</i> , 2011, 107, 173901.	7.8	56
15	Pump-probe spectroscopy on photoinitiators for stimulated-emission-depletion optical lithography. <i>Optics Letters</i> , 2011, 36, 3188.	3.3	54
16	Fabrication and Spatially Resolved Functionalization of 3D Microstructures via Multiphoton-Induced Diels-Alder Chemistry. <i>Advanced Functional Materials</i> , 2014, 24, 3571-3580.	14.9	51
17	Ultrafast Polymerization Inhibition by Stimulated Emission Depletion for Three-dimensional Nanolithography. <i>Advanced Materials</i> , 2012, 24, OP65-9.	21.0	47
18	Molecular Switch for Sub-Diffraction Laser Lithography by Photoenol Intermediate-State Cis-Trans Isomerization. <i>ACS Nano</i> , 2017, 11, 6396-6403.	14.6	44

#	ARTICLE	IF	CITATIONS
19	Three-dimensional micro-printing of temperature sensors based on up-conversion luminescence. Applied Physics Letters, 2015, 106, .	3.3	39
20	Laser-written parabolic micro-antennas for efficient photon collection. Applied Physics Letters, 2014, 105, .	3.3	19
21	Frequency-Resolved Reciprocal-Space Mapping of Visible Spontaneous Emission from 3D Photonic Crystals. Advanced Optical Materials, 2014, 2, 849-853.	7.3	8
22	Detailed optical characterization of three-dimensional visible-frequency polarization-independent carpet invisibility cloak. Physica B: Condensed Matter, 2012, 407, 4075-4077.	2.7	5
23	Reaction Mechanisms and In Situ Process Diagnostics. , 2016, , 82-101.		5
24	Towards diffraction-unlimited three-dimensional laser lithography. , 2012, , .		3
25	In-Situ Measurement of the Intrinsic Polymerization Time During Three-Dimensional Direct Laser Writing. , 2014, , .		2
26	Strategies for optical integration of single-photon sources. Proceedings of SPIE, 2015, , .	0.8	2
27	Reaction mechanisms and in situ process diagnostics. , 2020, , 175-196.		1
28	Three-Dimensional Laser Lithography with Conceptually Diffraction-Unlimited Lateral and Axial Resolution. , 2011, , .		0
29	Single photon nanophotonics using NV centers in three-dimensional laser-written microstructures. , 2013, , .		0
30	Three-Dimensional Cell Culture on Microscaffolds with Spatially Resolved Surface Chemistry. , 2014, , .		0
31	Photoenol Laser Lithography Using Intermediate-State Cis-Trans Isomerization for Writing Inhibition. , 2016, , .		0