

Matthias C Wapler

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

332
citations

1307594

7
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	A quick and accurate method to determine the Poisson's ratio and the coefficient of thermal expansion of PDMS. <i>Soft Matter</i> , 2019, 15, 779-784.	2.7	120
2	Magnetic properties of materials for MR engineering, micro-MR and beyond. <i>Journal of Magnetic Resonance</i> , 2014, 242, 233-242.	2.1	89
3	Properties of piezoceramic materials in high electric field actuator applications. <i>Smart Materials and Structures</i> , 2019, 28, 015029.	3.5	33
4	Diffraction-limited axial scanning in thick biological tissue with an aberration-correcting adaptive lens. <i>Scientific Reports</i> , 2019, 9, 9532.	3.3	26
5	Ultra-fast, high-quality and highly compact varifocal lens with spherical aberration correction and low power consumption. <i>Optics Express</i> , 2020, 28, 4973.	3.4	18
6	A Compact, Large-Aperture Tunable Lens with Adaptive Spherical Correction. , 2014, , .		13
7	Piezo-actuated adaptive prisms for continuously adjustable bi-axial scanning. <i>Smart Materials and Structures</i> , 2020, 29, 095004.	3.5	11
8	Multiphysics simulation of the aspherical deformation of piezo-glass membrane lenses including hysteresis, fabrication and nonlinear effects. <i>Smart Materials and Structures</i> , 2019, 28, 055024.	3.5	9
9	MR-compatible optical microscope for in-situ dual-mode MR-optical microscopy. <i>PLoS ONE</i> , 2021, 16, e0250903.	2.5	6
10	3D-scanning microscopy with adaptive lenses and prisms for zebrafish studies. <i>Journal of Optical Microsystems</i> , 2021, 1, .	1.5	3
11	Ultra-Fast and Compact Varifocal Lens. , 2019, , .		1
12	Miniaturized piezo-actuated adaptive prism for biaxial optical scanning. , 2019, , .		1
13	Bi-Axial Magnetically Actuated Tunable Prism. , 2021, , .		1
14	Piezo-Actuated Adaptive Prisms for Optical Scanning. <i>Springer Proceedings in Physics</i> , 2019, , 85-91.	0.2	1
15	Physical response functions of strongly coupled massive quantum liquids. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	0
16	On the application of balanced steady-state free precession to MR microscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 437-447.	2.0	0