

Omkar D Supekar

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

249
citations

933447

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h-index

996975

15
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19
all docs

19
docs citations

19
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Response Time of Electrowetting Lenses with Shaped Input Voltage Functions. <i>Langmuir</i> , 2017, 33, 4863-4869.	3.5	38
2	Lidar system with nonmechanical electrowetting-based wide-angle beam steering. <i>Optics Express</i> , 2019, 27, 4404.	3.4	35
3	Two-photon laser scanning microscopy with electrowetting-based prism scanning. <i>Biomedical Optics Express</i> , 2017, 8, 5412.	2.9	29
4	Rapid mold-free manufacturing of microfluidic devices with robust and spatially directed surface modifications. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 773-779.	2.2	24
5	Numerical analysis of wavefront aberration correction using multielectrode electrowetting-based devices. <i>Optics Express</i> , 2017, 25, 31451.	3.4	18
6	Liquid Combination with High Refractive Index Contrast and Fast Scanning Speeds for Electrowetting Adaptive Optics. <i>Langmuir</i> , 2018, 34, 14511-14518.	3.5	18
7	Miniature structured illumination microscope for in vivo 3D imaging of brain structures with optical sectioning. <i>Biomedical Optics Express</i> , 2022, 13, 2530.	2.9	15
8	Ultrathin thermoacoustic nanobridge loudspeakers from ALD on polyimide. <i>Nanotechnology</i> , 2016, 27, 475504.	2.6	13
9	Off-stoichiometry improves the photostructuring of thiols through diffusion-induced monomer depletion. <i>Microsystems and Nanoengineering</i> , 2016, 2, 15043.	7.0	12
10	Real-Time Detection of Reverse-Osmosis Membrane Scaling via Raman Spectroscopy. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16021-16026.	3.7	12
11	Real-time monitoring of calcium sulfate scale removal from RO desalination membranes using Raman spectroscopy. <i>Desalination</i> , 2021, 497, 114736.	8.2	11
12	Real-time detection of early-stage calcium sulfate and calcium carbonate scaling using Raman spectroscopy. <i>Journal of Membrane Science</i> , 2020, 596, 117603.	8.2	10
13	Atomic layer deposition ultrathin film origami using focused ion beams. <i>Nanotechnology</i> , 2016, 27, 49LT02.	2.6	9
14	Nonlinear Mechanics of Interlocking Cantilevers. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	2.2	2
15	Two-photon, fiber-coupled, super-resolution microscope for biological imaging. <i>APL Photonics</i> , 2022, 7, 036102.	5.7	2
16	Effect of Atomic Layer Etching on Residual Stress of Al ₂ O ₃ Ald Ultra-Thin Film Suspended Structures. , 2019, , .		1
17	Femtosecond diode-based time lens laser for multiphoton microscopy. <i>Biomedical Optics Express</i> , 2021, 12, 6269.	2.9	0
18	Electrowetting adaptive optical devices for LIDAR. , 2019, , .		0