

Omkar D Supekar

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

249
citations

933447

10
h-index

996975

15
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19
all docs

19
docs citations

19
times ranked

289
citing authors

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