

# Suman Anand

## List of Publications by Year in descending order

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23  
papers

449  
citations

1040056

9  
h-index

940533

16  
g-index

24  
all docs

24  
docs citations

24  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated humidity sensor based on SU-8 polymer microdisk microresonator. Sensors and Actuators B: Chemical, 2017, 242, 1115-1120.	7.8	62
2	Whispering Gallery Modes Observed in Elastic Scattering from Optically Trapped Emulsion Microdroplets. , 2017, , .		0
3	Droplet resonator based optofluidic microlasers. , 2014, , .		2
4	In vitro and in vivo biolasing of fluorescent proteins suspended in liquid microdroplet cavities. Lab on A Chip, 2014, 14, 3093-3100.	6.0	91
5	Aerosol droplet optical trap loading using surface acoustic wave nebulization. Optics Express, 2013, 21, 30148.	3.4	14
6	Dye lasing in optically manipulated liquid aerosols. , 2013, , .		1
7	Dye lasing in optically manipulated liquid aerosols. Optics Letters, 2013, 38, 1669.	3.3	16
8	Properties of thin-film silicon solar cells at very high irradiance. Journal of Non-Crystalline Solids, 2012, 358, 2202-2205.	3.1	2
9	Observation of the Binary Coalescence and Equilibration of Micrometer-Sized Droplets of Aqueous Aerosol in a Single-Beam Gradient-Force Optical Trap. Journal of Physical Chemistry A, 2012, 116, 8873-8884.	2.5	21
10	Non-contact optical control of multiple particles and defects using holographic optical trapping with phase-only liquid crystal spatial light modulator. , 2009, , .		7
11	Generation of a hollow Gaussian beam and its anomalous behavior. Optics Communications, 2009, 282, 1335-1339.	2.1	8
12	Optical manipulation of airborne particles: techniques and applications. Faraday Discussions, 2008, 137, 335-350.	3.2	102
13	Experimental study of the spectral anomalies in Young's interference experiment. Optics Communications, 2006, 266, 469-472.	2.1	8
14	Experimental study of spectral anomalies in a Fraunhofer diffraction pattern. Journal of Optics, 2004, 6, 177-179.	1.5	13
15	Determination of correlation properties of moving diffuser by spectral analyses of the scattered light emerging from two pinholes. Journal of Modern Optics, 2004, 51, 669-676.	1.3	0
16	Formation and characterization of Y : 247 film through spray pyrolysis technique. Bulletin of Materials Science, 2004, 27, 113-119.	1.7	3
17	An experimental study of anomalous behavior of spectra near phase singularity. Optics Communications, 2004, 232, 69-75.	2.1	1
18	Experimental study of generation of cross-spectrally pure light and diffuser characteristics by two diffusers moving in opposite directions. , 2002, 4924, 89.		0

#	ARTICLE	IF	CITATIONS
19	Experimental study of the phenomenon of $1/\lambda - N$ spectral switch due to diffraction of partially coherent light. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 2223.	1.5	33
20	Experimental observation of the phenomenon of spectral switching for a class of partially coherent light. IEEE Journal of Quantum Electronics, 2002, 38, 336-339.	1.9	57
21	Reconstruction of optical source-profile from spectral measurements in Young's interference experiment. Optics and Lasers in Engineering, 2002, 38, 321-332.	3.8	0
22	Observation of curious spiral-like features on spray pyrolysed Pb doped Hg-based HTSC films. Journal of Physics and Chemistry of Solids, 2002, 63, 1729-1735.	4.0	3
23	Effect of AgNO <sub>3</sub> additive/doping on microstructure and superconductivity of the Pb doped Hg: 1223 thin film prepared through spray pyrolysis. Journal of Physics and Chemistry of Solids, 2002, 63, 1647-1653.	4.0	5