

# S Mathew

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

402  
citations

687363

13  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal diffusivity of rhodamine 6G incorporated in silver nanofluid measured using mode-matched thermal lens technique. <i>Optics Communications</i> , 2010, 283, 313-317.	2.1	64
2	Thermal diffusivity of nanofluids composed of rod-shaped silver nanoparticles. <i>International Journal of Thermal Sciences</i> , 2013, 64, 188-194.	4.9	44
3	Studies of nonlinear optical properties of PicoGreen dye using Z-scan technique. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 291-295.	2.3	35
4	Thermo-optic tuning of whispering gallery mode lasing from a dye-doped hollow polymer optical fiber. <i>Optics Letters</i> , 2017, 42, 2926.	3.3	32
5	Tuning whispering gallery lasing modes from polymer fibers under tensile strain. <i>Optics Letters</i> , 2016, 41, 551.	3.3	26
6	Concentration dependent variation of thermal diffusivity in highly fluorescent carbon dots using dual beam thermal lens technique. <i>International Journal of Thermal Sciences</i> , 2018, 126, 137-142.	4.9	25
7	Laser emission from the whispering gallery modes of a graded index fiber. <i>Optics Letters</i> , 2013, 38, 3261.	3.3	24
8	Shifting of Fluorescence Peak in CdS Nanoparticles by Excitation Wavelength Change. <i>Journal of Fluorescence</i> , 2011, 21, 1479-1484.	2.5	22
9	Photothermal Characterization of Nanogold Under Conditions of Resonant Excitation and Energy Transfer. <i>Plasmonics</i> , 2010, 5, 63-68.	3.4	20
10	Nonlinear optical limiting and dual beam mode matched thermal lensing of nano fluids containing green synthesized copper nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 279, 63-66.	4.9	20
11	Microring embedded hollow polymer fiber laser. <i>Applied Physics Letters</i> , 2015, 106, 131101.	3.3	18
12	Surface defect assisted broad spectra emission from CdSe quantum dots for white LED application. <i>Materials Research Express</i> , 2018, 5, 025009.	1.6	16
13	Variations in thermo-optical properties of neutral red dye with laser ablated gold nanoparticles. <i>Optical Materials</i> , 2018, 79, 237-242.	3.6	15
14	Microring embedded hollow polymer optical fiber for refractive index sensing. <i>Journal of Luminescence</i> , 2019, 209, 69-73.	3.1	8
15	Effect of marine derived deoxyribonucleic acid on nonlinear optical properties of PicoGreen dye. <i>Applied Physics B: Lasers and Optics</i> , 2013, 111, 611-615.	2.2	7
16	Size dependent variation of thermal diffusivity of CdSe nanoparticles based nanofluid using laser induced mode-matched thermal lens technique. <i>Journal of Optics (India)</i> , 2015, 44, 85-91.	1.7	7
17	Tunable amplified spontaneous emission from dye doped hollow polymer optical fiber. <i>Journal of Luminescence</i> , 2018, 201, 1-4.	3.1	6
18	Synthesis, characterization and evaluation of tunable thermal diffusivity of phosphorus-doped carbon nanodot. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	5

#	ARTICLE	IF	CITATIONS
19	Ultra-pure silicon nanofluid by laser ablation: thermal diffusivity studies using thermal lens technique. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	4
20	Spectral and Lensing Characteristics of Gel-Derived Strontium Tartrate Single Crystals Using Dual-Beam Thermal Lens Technique. <i>Journal of Fluorescence</i> , 2016, 26, 1549-1554.	2.5	2
21	Laser-induced Bessel beams can realize fast all-optical switching in gold nanosol prepared by pulsed laser ablation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 577.	2.1	1
22	Investigation of optical nonlinear properties of cyanine dye. , 2012, , .		1
23	Nonlinear optical studies of calcium tartrate crystals. <i>Journal of Taibah University for Science</i> , 2019, 13, 611-615.	2.5	0