

Subrata Biswas

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

490
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Optical Properties and Temperature-Dependent UV-Vis Absorption and Photoluminescence Emission in 2D Hexagonal Boron Nitride Nanosheets. <i>Advanced Optical Materials</i> , 2015, 3, 828-835.	7.3	117
2	In-situ synthesis of rGO-ZnO nanocomposite for demonstration of sunlight driven enhanced photocatalytic and self-cleaning of organic dyes and tea stains of cotton fabrics. <i>Journal of Hazardous Materials</i> , 2018, 360, 193-203.	12.4	100
3	Nonlinear Optical Properties and Temperature Dependent Photoluminescence in hBN-GO Heterostructure 2D Material. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8060-8069.	3.1	38
4	Colloidal N-Doped Graphene Quantum Dots with Tailored Luminescent Downshifting and Detection of UVA Radiation with Enhanced Responsivity. <i>ACS Omega</i> , 2018, 3, 16260-16270.	3.5	36
5	Forster resonance energy transfer assisted white light generation and luminescence tuning in a colloidal graphene quantum dot-dye system. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 326-336.	9.4	31
6	A comparison of temperature dependent photoluminescence and photo-catalytic properties of different MoS ₂ nanostructures. <i>Applied Surface Science</i> , 2018, 455, 379-391.	6.1	29
7	Tailoring of structural and photoluminescence emissions by Mn and Cu co-doping in 2D nanostructures of ZnS for the visualization of latent fingerprints and generation of white light. <i>Nanoscale</i> , 2019, 11, 2017-2026.	5.6	27
8	Observation of high photocatalytic activity by tuning of defects in chemically synthesized ethylene glycol capped ZnO nanorods. <i>Optik</i> , 2018, 154, 303-314.	2.9	19
9	Giant femtosecond nonlinear optical response in bi-metallic GO nanocomposites for photonic applications. <i>Applied Surface Science</i> , 2022, 578, 151966.	6.1	16
10	External feedback assisted reduction of the lasing threshold of a continuous wave random laser in a dye doped polymer film and demonstration of speckle free imaging. <i>Journal of Luminescence</i> , 2021, 230, 117720.	3.1	15
11	Near white light emission and enhanced photocatalytic activity by tweaking surface defects of coaxial ZnO@ZnS core-shell nanorods. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	14
12	Resonance energy transfer-assisted random lasing in light-harvesting bio-antenna enhanced with a plasmonic local field. <i>RSC Advances</i> , 2019, 9, 37705-37713.	3.6	9
13	Optical Properties Of TiO ₂ @C Nanocomposites: Synthesized By Green Synthesis Technique. <i>Advanced Materials Letters</i> , 2017, 8, 449-457.	0.6	8
14	Nanosecond Laser-Assisted Tuning of the Plasmon Band of Triangular-Shaped Ag Nanostructures and Development of a Broadband Visible-Near Infrared Light Absorber. <i>Plasmonics</i> , 2020, 15, 145-153.	3.4	7
15	Unusual higher-order nonlinear optical properties in Au-coated triangular Ag-Au nanostructures. <i>Optics Letters</i> , 2021, 46, 4879.	3.3	7
16	Manoeuvring a natural scatterer system in random lasing action and a demonstration of speckle free imaging. <i>OSA Continuum</i> , 2021, 4, 1712.	1.8	5
17	Optically Transparent Graphene Flakes as Nanogenerator of Microbubbles for Random Lasing in Weakly Scattering Regime. <i>Advanced Photonics Research</i> , 2021, 2, 2100063.	3.6	5
18	Enhanced optical power limiting and visible luminescence in colloidal dispersion of ultra-small Au nanoclusters synthesized by single-pot chemical technique. <i>Journal of Molecular Liquids</i> , 2021, 322, 114909.	4.9	4

#	ARTICLE	IF	CITATIONS
19	Optical, structural, and catalytic properties of synthesized Cu ₂ O nanocubes. Indian Journal of Physics, 2021, 95, 607-619.	1.8	3
20	Green and sustainable methods of syntheses of photocatalytic materials for efficient application in dye degradation. , 2021, , 167-206.		0