Jitendra Nath Acharyya

List of Publications by Year
in descending order

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19	209	1040056	1058476
papers	citations	9	14
		h-index	g-index

19	19	19	101
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Femtosecond optical nonlinearities and ultrafast absorption dynamics of colloidal 2D organometal halide ((C12H25â€“NH3)2PbI4) nanoparticles and thin films. Optical Materials, 2022, 124, 111969.	3.6	2
2	Î²-Tetracyanobutadiene-Appended Porphyrins: Facile Synthesis, Spectral and Electrochemical Redox Properties, and Their Utilization as Excellent Optical Limiters. Inorganic Chemistry, 2022, 61, 1297-1307.	4.0	11
3	Femtosecond optical nonlinearities and Ultrafast dynamics in Metal-dielectric photonic structure. , 2022, , .		0
4	Synthesis and the spectral, electrochemical, and nonlinear optical properties of Î²-dicyanovinyl-appended â€˜pushâ€“pullâ€™ porphyrins. Dalton Transactions, 2022, 51, 9049-9061.	3.3	7
5	Effect of Photonic Cavity Interactions on Femtosecond Multiphoton Optical Nonlinear Absorptions from Bi₂O₃-Based One-Dimensional Photonic Crystal. ACS Photonics, 2022, 9, 2092-2100.	6.6	14
6	Unsymmetrically Î²-Functionalized Ï€-Extended Porphyrins: Synthesis, Spectral, Electrochemical Redox Properties, and Their Utilization as Efficient Two-Photon Absorbers. Inorganic Chemistry, 2022, 61, 9968-9982.	4.0	13
7	Ultrafast pulse propagation and spectral broadening in metal-dielectric 1D photonic crystal. Optical Materials, 2022, 131, 112688.	3.6	2
8	Strong two-photon absorption and ultrafast dynamics of meso-functionalized â€œpushâ€“pullâ€• trans-A₂BC porphyrins. Dalton Transactions, 2021, 50, 6256-6272.	3.3	18
9	Photonic Cavity-Mediated Tunable Ultrafast Absorption Dynamics in BaTiO₃-Based One-Dimensional Photonic Crystal. ACS Applied Electronic Materials, 2021, 3, 1904-1911.	4.3	19
10	Study of photo induced charge transfer mechanism of PEDOT with nitro groups of RDX, HMX and TNT explosives using anti-stokes and stokes Raman lines ratios. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119360.	3.9	6
11	Optical nonlinearities in chemically synthesized and femtosecond laser fabricated gold nanoparticle colloidal solutions. Optics and Laser Technology, 2021, 139, 107008.	4.6	30
12	Ultrafast Nonlinear Pulse Propagation Dynamics in Metalâ€“Dielectric Periodic Photonic Architectures. Advanced Materials Interfaces, 2021, 8, 2100757.	3.7	12
13	Effect of Zinc Fluoride addition on structure of barium Borate glasses for nonlinear optical applications. Optical Materials, 2021, 121, 111626.	3.6	9
14	Nonlinear optical dispersion and higher-order effects in bulk and wavelength-ordered photonic materials. Optik, 2021, 247, 167944.	2.9	7
15	Ultrafast Nonlinear Absorption and Pulse Propagation Dynamics in Metal-Dielectric Photonic Structure. , 2021, , .		2
16	Cavity enhancement in nonlinear absorption and photoluminescence of BaTiO3. Optik, 2020, 207, 163896.	2.9	8
17	Giant Optical Nonlinearities of Photonic Minibands in Metalâ€“Dielectric Multilayers. Advanced Materials Interfaces, 2020, 7, 2000035.	3.7	27
18	Nonlinear optical absorption switching behavior of BaTiO3 in asymmetric microcavity. Optical Materials, 2020, 101, 109777.	3.6	11

#	Article	IF	Citations
19	Synthesis, Structural, Linear, and Nonlinear Optical Studies of Inorganicâ€“Organic Hybrid Semiconductors (Râ€“C6H4CHCH3NH3)2PbI4, (R = CH3, Cl). ACS Omega, 2019, 4, 19565-19572.	3.5	11