

# Jitendra Nath Acharyya

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

209  
citations

1040056

9  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical nonlinearities in chemically synthesized and femtosecond laser fabricated gold nanoparticle colloidal solutions. <i>Optics and Laser Technology</i> , 2021, 139, 107008.	4.6	30
2	Giant Optical Nonlinearities of Photonic Minibands in Metal-Dielectric Multilayers. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000035.	3.7	27
3	Photonic Cavity-Mediated Tunable Ultrafast Absorption Dynamics in BaTiO <sub>3</sub> -Based One-Dimensional Photonic Crystal. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1904-1911.	4.3	19
4	Strong two-photon absorption and ultrafast dynamics of meso-functionalized $\alpha$ -push $\beta$ -pull $\beta$ -trans-A <sub>2</sub> BC porphyrins. <i>Dalton Transactions</i> , 2021, 50, 6256-6272.	3.3	18
5	Effect of Photonic Cavity Interactions on Femtosecond Multiphoton Optical Nonlinear Absorptions from Bi <sub>2</sub> O <sub>3</sub> -Based One-Dimensional Photonic Crystal. <i>ACS Photonics</i> , 2022, 9, 2092-2100.	6.6	14
6	Unsymmetrically $\beta^2$ -Functionalized $\beta$ -Extended Porphyrins: Synthesis, Spectral, Electrochemical Redox Properties, and Their Utilization as Efficient Two-Photon Absorbers. <i>Inorganic Chemistry</i> , 2022, 61, 9968-9982.	4.0	13
7	Ultrafast Nonlinear Pulse Propagation Dynamics in Metal-Dielectric Periodic Photonic Architectures. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100757.	3.7	12
8	Synthesis, Structural, Linear, and Nonlinear Optical Studies of Inorganic-Organic Hybrid Semiconductors (R=C <sub>6</sub> H <sub>4</sub> CHCH <sub>3</sub> NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> , (R = CH <sub>3</sub> , Cl). <i>ACS Omega</i> , 2019, 4, 19565-19572.	3.5	11
9	Nonlinear optical absorption switching behavior of BaTiO <sub>3</sub> in asymmetric microcavity. <i>Optical Materials</i> , 2020, 101, 109777.	3.6	11
10	$\beta^2$ -Tetracyanobutadiene-Appended Porphyrins: Facile Synthesis, Spectral and Electrochemical Redox Properties, and Their Utilization as Excellent Optical Limiters. <i>Inorganic Chemistry</i> , 2022, 61, 1297-1307.	4.0	11
11	Effect of Zinc Fluoride addition on structure of barium Borate glasses for nonlinear optical applications. <i>Optical Materials</i> , 2021, 121, 111626.	3.6	9
12	Cavity enhancement in nonlinear absorption and photoluminescence of BaTiO <sub>3</sub> . <i>Optik</i> , 2020, 207, 163896.	2.9	8
13	Nonlinear optical dispersion and higher-order effects in bulk and wavelength-ordered photonic materials. <i>Optik</i> , 2021, 247, 167944.	2.9	7
14	Synthesis and the spectral, electrochemical, and nonlinear optical properties of $\beta^2$ -dicyanovinyl-appended $\alpha$ -push $\beta$ -pull $\beta$ ™ porphyrins. <i>Dalton Transactions</i> , 2022, 51, 9049-9061.	3.3	7
15	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119360.	3.9	6
16	Ultrafast Nonlinear Absorption and Pulse Propagation Dynamics in Metal-Dielectric Photonic Structure. , 2021, , .		2
17	Femtosecond optical nonlinearities and ultrafast absorption dynamics of colloidal 2D organometal halide ((C <sub>12</sub> H <sub>25</sub> $\alpha$ -NH <sub>3</sub> ) <sub>2</sub> PbI <sub>4</sub> ) nanoparticles and thin films. <i>Optical Materials</i> , 2022, 124, 111969.	3.6	2
18	Ultrafast pulse propagation and spectral broadening in metal-dielectric 1D photonic crystal. <i>Optical Materials</i> , 2022, 131, 112688.	3.6	2

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19	Femtosecond optical nonlinearities and Ultrafast dynamics in Metal-dielectric photonic structure. , 2022, , .		0