

Anushree Roy

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

243
citations

933447

10
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the Local Structure and Phase Transitions of $\text{Bi}_4\text{V}_2\text{O}_{11}$ Based Fast Ionic Conductors by Combined Raman and XRD Studies. Journal of the American Ceramic Society, 2013, 96, 3448-3456.	3.8	27
2	Effect of α -epigallocatechin gallate on the fibrillation of human serum albumin. International Journal of Biological Macromolecules, 2014, 70, 312-319.	7.5	26
3	A nondestructive tool for nanomaterials: Raman and photoluminescence spectroscopy. American Journal of Physics, 2005, 73, 224-233.	0.7	23
4	Raman sensitivity to crystal structure in InAs nanowires. Applied Physics Letters, 2012, 100, .	3.3	20
5	Electronic band structure of wurtzite GaP nanowires via temperature dependent resonance Raman spectroscopy. Applied Physics Letters, 2013, 103, 023108.	3.3	20
6	Evidence of two oxidation states of copper during aggregation of hen egg white lysozyme (HEWL). International Journal of Biological Macromolecules, 2015, 76, 1-9.	7.5	18
7	A simple experiment on diffraction of light by interfering liquid surface waves. American Journal of Physics, 2005, 73, 725-729.	0.7	14
8	Strain distribution in wrinkled hBN films. Solid State Communications, 2020, 310, 113847.	1.9	12
9	Microwave-radiation-induced molecular structural rearrangement of hen egg-white lysozyme. Physical Review E, 2018, 97, 052416.	2.1	11
10	Does Shining Light on Gold Colloids Influence Aggregation?. Scientific Reports, 2014, 4, 5213.	3.3	10
11	Surface-enhanced Raman measurements and DFT calculations for l -tryptophan of varying pH in silver sol. Journal of Raman Spectroscopy, 2012, 43, 718-723.	2.5	7
12	Effect of high-energy light irradiation on SiGaAs and GaAs:Cr as observed by Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 344-350.	2.5	7
13	Appearance of Fröhlich-like phonon mode and defect dynamics in La^{3+} -doped ceria. Journal of Applied Physics, 2017, 122, 135108.	2.5	7
14	Role of defects and grain boundaries in the thermal response of wafer-scale hBN films. Nanotechnology, 2021, 32, 075702.	2.6	6
15	Structural phase transition in lanthanum gallate as studied by Raman and X-ray diffraction measurements. Physica Status Solidi (B): Basic Research, 2011, 248, 1884-1893.	1.5	5
16	Quantitative analysis of thermal stability of CdSe/CdS core-shell nanocrystals under infrared radiation. Journal of Materials Research, 2006, 21, 1385-1389.	2.6	4
17	Mapping of the electronic band gap along the axis of a single $\text{InAs/InSb}_x\text{As}_{1-x}$ heterostructured nanowire. Nanoscale, 2016, 8, 18143-18149.	5.6	4
18	Raman spectral probe and unique fractal signatures for human serum with diabetes and early stage diabetic retinopathy. Biomedical Physics and Engineering Express, 2018, 5, 015021.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Phase integrity of zinc oxide doped zirconia under low compacting pressure. Journal of Alloys and Compounds, 2020, 843, 155927.	5.5	4
20	Restriction of microwave-induced amyloid fibrillar growth by gold nanoparticles. International Journal of Biological Macromolecules, 2020, 151, 212-219.	7.5	4
21	Probing charge carrier compensation in high energy ion irradiated III-V semiconductor by Raman spectroscopy and Hall measurements. Journal of Raman Spectroscopy, 2016, 47, 963-970.	2.5	3
22	Electronic band structure engineering in InAs/InSbAs and InSb/InSbAs superlattice heterostructures. Journal of Applied Physics, 2019, 125, .	2.5	3
23	(Y _{1-x} Nd _x) ₃ Zr ₅ O _{14.5} solid solutions as inert matrices: Phase evolution, order-disorder dynamics and thermophysical behavior. Materials Today Communications, 2021, 27, 102158.	1.9	2
24	Spin-liquid signatures in geometrically frustrated layered kagome compounds $YBaCoO_7$. Physical Review B, 2021, 104, .	3.7	2
25	Interaction Of EGCG Molecules With Silver-Lysozyme Complex By SERS Measurements. , 2010, , .		0
26	Evidence Of Plasmon Coupling Between Gold Nanorod and Benzonitrile Molecule. , 2010, , .		0
27	Manipulation of polarization anisotropy in bare InAs and InAs/GaSb core-shell nanowires. Applied Physics Letters, 2018, 112, 153104.	3.3	0
28	Biomolecular response to hour-long ultralow field microwave radiation: An effective coarse-grained model simulation. Physical Review E, 2021, 103, 042416.	2.1	0
29	RAMAN SPECTROSCOPIC STUDIES ON ELASTIC STRAIN AT GERMANIUM PARTICLES-SILICON MATRIX INTERFACE. , 2003, , .		0
30	Spectropathologic Endorsement of Ocular Carotenoids for Early Detection of Diabetic Retinopathy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 268, 120676.	3.9	0