Anushree Roy

List of Publications by Year
in descending order

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	Biomolecular response to hour-long ultralow field microwave radiation: An effective coarse-grained model simulation. Physical Review E, 2021, 103, 042416.	2.1	0
2	(Y1-xNdx)3Zr5O14.5 solid solutions as inert matrices: Phase evolution, order-disorder dynamics and thermophysical behavior. Materials Today Communications, 2021, 27, 102158.	1.9	2
3	Spin-liquid signatures in geometrically frustrated layered kagome compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YBa</mml:mi><mml:msub><mml:mi>Co</mml:mi><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review B, 2021, 104, .	3.2	2
4	Role of defects and grain boundaries in the thermal response of wafer-scale hBN films. Nanotechnology, 2021, 32, 075702.	2.6	6
5	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
6	Phase integrity of zinc oxide doped zirconia under low compacting pressure. Journal of Alloys and Compounds, 2020, 843, 155927.	5.5	4
7	Strain distribution in wrinkled hBN films. Solid State Communications, 2020, 310, 113847.	1.9	12
8	Restriction of microwave-induced amyloid fibrillar growth by gold nanoparticles. International Journal of Biological Macromolecules, 2020, 151, 212-219.	7.5	4
9	Electronic band structure engineering in InAs/InSbAs and InSb/InSbAs superlattice heterostructures. Journal of Applied Physics, 2019, 125, .	2.5	3
10	Manipulation of polarization anisotropy in bare InAs and InAs/GaSb core-shell nanowires. Applied Physics Letters, 2018, 112, 153104.	3.3	0
11	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
12	Microwave-radiation-induced molecular structural rearrangement of hen egg-white lysozyme. Physical Review E, 2018, 97, 052416.	2.1	11
13	Appearance of FrÃ¶hlich-like phonon mode and defect dynamics in La3+-doped ceria. Journal of Applied Physics, 2017, 122, 135108.	2.5	7
14	Probing charge carrier compensation in high energy ion irradiated IIIâ€“V semiconductor by Raman spectroscopy and Hall measurements. Journal of Raman Spectroscopy, 2016, 47, 963-970.	2.5	3
15	Mapping of the electronic band gap along the axis of a single InAs/InSb_xAs_{1â^'x}heterostructured nanowire. Nanoscale, 2016, 8, 18143-18149.	5.6	4
16	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
17	Effect of (â^')-epigallocatechin gallate on the fibrillation of human serum albumin. International Journal of Biological Macromolecules, 2014, 70, 312-319.	7.5	26
18	Does Shining Light on Gold Colloids Influence Aggregation?. Scientific Reports, 2014, 4, 5213.	3.3	10

#	Article	IF	Citations
19	Electronic band structure of wurtzite GaP nanowires via temperature dependent resonance Raman spectroscopy. Applied Physics Letters, 2013, 103, 023108.	3.3	20
20	Probing the Local Structure and Phase Transitions of <scp><scp>Bi</scp></scp>₄<scp><scp>V</scp></scp>₂<scp><scp>O</scp></scp>₁₁â€Based Fast Ionic Conductors by Combined Raman and <scp>XRD</scp> Studies. Journal of the American Ceramic Society, 2013, 96, 3448-3456.	3.8	27
21	Raman sensitivity to crystal structure in InAs nanowires. Applied Physics Letters, 2012, 100, .	3.3	20
22	Surfaceâ€enhanced Raman measurements and DFT calculations for <scp>l</scp>â€tryptophan of varying pH in silver sol. Journal of Raman Spectroscopy, 2012, 43, 718-723.	2.5	7
23	Effect of highâ€energy lightâ€ion irradiation on SIâ€GaAs and GaAs:Cr as observed by Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 344-350.	2.5	7
24	Structural phase transition in lanthanum gallate as studied by Raman and Xâ€ray diffraction measurements. Physica Status Solidi (B): Basic Research, 2011, 248, 1884-1893.	1.5	5
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	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
28	A simple experiment on diffraction of light by interfering liquid surface waves. American Journal of Physics, 2005, 73, 725-729.	0.7	14
29	A nondestructive tool for nanomaterials: Raman and photoluminescence spectroscopy. American Journal of Physics, 2005, 73, 224-233.	0.7	23
30	RAMAN SPECTROSCOPIC STUDIES ON ELASTIC STRAIN AT GERMANIUM PARTICLES-SILICON MATRIX INTERFACE. , 2003, , .		0