

Mitradeep Sarkar

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

255
citations

1040056

9
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of concentrated colloidal dispersions of iron oxide nanoparticles in ionic liquids: Structure and thermal stability from 25 to 200°C. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 584-594.	9.4	11
2	Effect of an excess of surfactant on thermophoresis, mass diffusion and viscosity in an oily surfactant-stabilized ferrofluid. <i>European Physical Journal E</i> , 2022, 45, 43.	1.6	1
3	Thermodiffusion anisotropy under a magnetic field in ionic liquid-based ferrofluids. <i>Soft Matter</i> , 2021, 17, 4566-4577.	2.7	5
4	Structural, Thermodiffusive and Thermoelectric Properties of Maghemite Nanoparticles Dispersed in Ethylammonium Nitrate. <i>ChemEngineering</i> , 2020, 4, 5.	2.4	13
5	Inversion of thermodiffusive properties of ionic colloidal dispersions in water-DMSO mixtures probed by forced Rayleigh scattering. <i>European Physical Journal E</i> , 2019, 42, 72.	1.6	9
6	Spatial resolution versus contrast trade-off enhancement in high-resolution surface plasmon resonance imaging (SPRI) by metal surface nanostructure design. <i>Optics Express</i> , 2018, 26, 10616.	3.4	10
7	High Figure of Merit (FOM) of Bragg Modes in Au-Coated Nanodisk Arrays for Plasmonic Sensing. <i>Small</i> , 2017, 13, 1700908.	10.0	21
8	Near-Field Enhancement Localization on Plasmonic Gratings. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27562-27570.	3.1	11
9	Directional surface enhanced Raman scattering on gold nano-gratings. <i>Nanotechnology</i> , 2016, 27, 115202.	2.6	40
10	Generalized analytical model based on harmonic coupling for hybrid plasmonic modes: comparison with numerical and experimental results. <i>Optics Express</i> , 2015, 23, 27376.	3.4	9
11	Hybrid Plasmonic Mode by Resonant Coupling of Localized Plasmons to Propagating Plasmons in a Kretschmann Configuration. <i>ACS Photonics</i> , 2015, 2, 237-245.	6.6	64
12	Density effect of gold nanodisks on the SERS intensity for a highly sensitive detection of chemical molecules. <i>Journal of Materials Science</i> , 2015, 50, 6601-6607.	3.7	36
13	Field enhancement and target localization impact on the biosensitivity of nanostructured plasmonic sensors. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1223.	2.1	14
14	Introducing 2D confined propagating plasmons for surface plasmon resonance sensing using arrays of metallic ribbons. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 115-121.	7.8	9
15	Waveguide structures for efficient evanescent field coupling to zero mode waveguides. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 9, .	1.9	1