

Mitradeep Sarkar

List of Publications by Year in descending order

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15
papers

255
citations

1040056

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1058476

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17
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17
times ranked

368
citing authors

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