

Mukul Bhatnagar

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

164
citations

1307594

7
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized surface plasmon resonance anisotropy in template aligned silver nanoparticles: A case of biaxial metal optics. Journal of Applied Physics, 2015, 117, .	2.5	23
2	Effect of strain on the modifications in electronic structure and resistive switching in Ca-doped BiFeO ₃ films. Journal of Applied Physics, 2019, 125, 082510.	2.5	21
3	Broadband and Tunable Light Harvesting in Nanorippled MoS ₂ Ultrathin Films. ACS Applied Materials & Interfaces, 2021, 13, 13508-13516.	8.0	21
4	Ultra-broadband photon harvesting in large-area few-layer MoS ₂ nanostripe gratings. Nanoscale, 2020, 12, 24385-24393.	5.6	18
5	Correlation of structural and optical properties of PVD grown amorphous carbon thin films. Diamond and Related Materials, 2017, 75, 69-77.	3.9	13
6	Silver nanoparticles on GaSb nanodots: a LSPR-boosted binary platform for broadband light harvesting and SERS. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	10
7	The optical response of artificially twisted MoS ₂ bilayers. Scientific Reports, 2021, 11, 17037.	3.3	10
8	In-Plane and Out-of-Plane Plasmons in Random Silver Nanoisland Films. Plasmonics, 2018, 13, 373-383.	3.4	7
9	Simulation and Measurement of Solar Harvesting Enhancement of Silver Plasmonic Nanoparticles on GaSb Nanodots. Journal of Photonics, 2014, 2014, 1-7.	1.0	6
10	Er ₂ O ₃ coating by reactive magnetron sputtering: Effect of oxygen supply and erbium pre-layer deposition. Nuclear Materials and Energy, 2016, 9, 256-260.	1.3	6
11	Geometrical Engineering of Giant Optical Dichroism in Rippled MoS ₂ Nanosheets. Advanced Optical Materials, 2021, 9, 2001408.	7.3	6
12	Sub-monolayer growth of Ag on flat and nanorippled SiO ₂ surfaces. Applied Physics Letters, 2016, 108, .	3.3	5
13	Thermal dynamics of silver clusters grown on rippled silica surfaces. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 5-12.	1.4	5
14	Simulated near-field mapping of ripple pattern supported metal nanoparticles arrays for SERS optimization. Journal Physics D: Applied Physics, 2017, 50, 455603.	2.8	4
15	Role of atom redeposition during rising ion flux in ion-induced nanodot self-assembly on GaSb surfaces. Nanotechnology, 2017, 28, 394002.	2.6	4
16	Effect of nitrogen concentrations on optical, structural and mechanical properties of self organized a-C:N films. Ceramics International, 2020, 46, 13743-13751.	4.8	3
17	Dense Nanoparticles Arrays for SERS Sensors and Plasmonic Solar Cells. , 2018, , .		1
18	Electronic structure correlation with ferroelectric behavior of Ca-doped BiFeO ₃ films. Journal of Electron Spectroscopy and Related Phenomena, 2020, 243, 146983.	1.7	1

#	ARTICLE	IF	CITATIONS
19	Investigation of optical response of Ag nanodots and nanoparticle arrays. , 2014, , .		0