

Mukul Bhatnagar

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

164
citations

1307594

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h-index

1199594

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19
all docs

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19
times ranked

222
citing authors

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

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