

Neha Sardana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3243481/publications.pdf>

Version: 2024-02-01

28
papers

512
citations

687363

13
h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

452
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture in self-lubricating inserts: A case study. <i>Materials Today: Proceedings</i> , 2022, 66, 3738-3742.	1.8	10
2	Quad-band polarization sensitive terahertz metamaterial absorber using Gemini-shaped structure. <i>Results in Optics</i> , 2022, 8, 100254.	2.0	9
3	Smartphone-based Surface Plasmon Resonance Sensors: a Review. <i>Plasmonics</i> , 2022, 17, 1869-1888.	3.4	13
4	Controllable synthesis of tunable aspect ratios novel h-BN nanorods with an enhanced wetting performance for water repellent applications. <i>Vacuum</i> , 2021, 184, 109927.	3.5	15
5	Recent advances in nanoporous AAO based substrates for surface-enhanced raman scattering. <i>Materials Today: Proceedings</i> , 2021, 41, 843-850.	1.8	5
6	Mechanical Properties of the Ti2AlNb Intermetallic: A Review. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 1839-1853.	1.5	21
7	Solar driven photocatalytic hydrogen evolution using graphitic-carbon nitride/NSGQDs heterostructures. <i>Applied Surface Science</i> , 2021, 563, 150409.	6.1	9
8	An Ultrathin Compact Polarization-Sensitive Triple-band Microwave Metamaterial Absorber. <i>Journal of Electronic Materials</i> , 2021, 50, 1506-1513.	2.2	25
9	Phase stability and microstructural evolution of Ti2AlNb alloys-a review. <i>Materials Today: Proceedings</i> , 2021, 41, 951-968.	1.8	20
10	Effect of annealing parameters and activation top layer on the growth of copper oxide nanowires. <i>Applied Surface Science</i> , 2020, 504, 144369.	6.1	10
11	Quantum dot-sensitized O-linked heptazine polymer photocatalyst for the metal-free visible light hydrogen generation. <i>RSC Advances</i> , 2020, 10, 29633-29641.	3.6	10
12	Affordable, Compact and Infection-Free BiPAP Machine. , 2020, 5, 385-391.		4
13	Triple Band Polarisation Sensitive Metamaterial Absorber for Terahertz Applications. , 2020, , .		4
14	A highly efficient bilayer graphene/ZnO/silicon nanowire based heterojunction photodetector with broadband spectral response. <i>Nanotechnology</i> , 2020, 31, 405205.	2.6	56
15	Graphene-based tunable multi-band metamaterial polarization-insensitive absorber for terahertz applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11878-11886.	2.2	38
16	Ultra-thin metamaterial perfect absorbers for single-/dual-/multi-band microwave applications. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 390-396.	1.4	58
17	Enhanced Optoelectronic Properties of Bilayer Graphene/HgCdTe-Based Single- and Dual-Junction Photodetectors in Long Infrared Regime. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 781-789.	2.0	45
18	Bilayer Graphene/HgCdTe Based Self-powered Mid-wave IR nBn Photodetector. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Chirality control of multi-stimuli responsive and self-healing supramolecular metallo-hydrogels. <i>New Journal of Chemistry</i> , 2018, 42, 6427-6432.	2.8	35
20	A Highly Efficient Bilayer Graphene-HgCdTe Heterojunction Based $\text{p}^{\text{+}}\text{-n}$ Photodetector for Long Wavelength Infrared (LWIR). , 2018, , .		5
21	Dual Band Graphene Based Metamaterial Absorber for Terahertz Applications. , 2018, , .		8
22	Bilayer graphene/HgCdTe based very long infrared photodetector with superior external quantum efficiency, responsivity, and detectivity. <i>RSC Advances</i> , 2018, 8, 39579-39592.	3.6	34
23	Ultra-thin and Dual Band Metamaterial Absorber for Terahertz Applications. , 2018, , .		3
24	I-shaped metamaterial antenna for X-band applications. , 2017, , .		7
25	Localized surface plasmon resonance in the IR regime. <i>Optics Express</i> , 2016, 24, 254.	3.4	15
26	Surface plasmons on ordered and bi-continuous spongy nanoporous gold. <i>New Journal of Physics</i> , 2014, 16, 063053.	2.9	11
27	Regular arrays of Al nanoparticles for plasmonic applications. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	21
28	Propagating surface plasmons on nanoporous gold. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 1778.	2.1	18