

# Neha Sardana

## List of Publications by Year in descending order

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28  
papers

512  
citations

687363

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h-index

713466

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all docs

28  
docs citations

28  
times ranked

452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-thin metamaterial perfect absorbers for single-/dual-/multi-band microwave applications. IET Microwaves, Antennas and Propagation, 2020, 14, 390-396.	1.4	58
2	A highly efficient bilayer graphene/ZnO/silicon nanowire based heterojunction photodetector with broadband spectral response. Nanotechnology, 2020, 31, 405205.	2.6	56
3	Enhanced Optoelectronic Properties of Bilayer Graphene/HgCdTe-Based Single- and Dual-Junction Photodetectors in Long Infrared Regime. IEEE Nanotechnology Magazine, 2019, 18, 781-789.	2.0	45
4	Graphene-based tunable multi-band metamaterial polarization-insensitive absorber for terahertz applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 11878-11886.	2.2	38
5	Chirality control of multi-stimuli responsive and self-healing supramolecular metallo-hydrogels. New Journal of Chemistry, 2018, 42, 6427-6432.	2.8	35
6	Bilayer graphene/HgCdTe based very long infrared photodetector with superior external quantum efficiency, responsivity, and detectivity. RSC Advances, 2018, 8, 39579-39592.	3.6	34
7	An Ultrathin Compact Polarization-Sensitive Triple-band Microwave Metamaterial Absorber. Journal of Electronic Materials, 2021, 50, 1506-1513.	2.2	25
8	Regular arrays of Al nanoparticles for plasmonic applications. Journal of Applied Physics, 2014, 115, .	2.5	21
9	Mechanical Properties of the Ti2AlNb Intermetallic: A Review. Transactions of the Indian Institute of Metals, 2021, 74, 1839-1853.	1.5	21
10	Phase stability and microstructural evolution of Ti2AlNb alloys-a review. Materials Today: Proceedings, 2021, 41, 951-968.	1.8	20
11	Propagating surface plasmons on nanoporous gold. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1778.	2.1	18
12	Localized surface plasmon resonance in the IR regime. Optics Express, 2016, 24, 254.	3.4	15
13	Controllable synthesis of tunable aspect ratios novel h-BN nanorods with an enhanced wetting performance for water repellent applications. Vacuum, 2021, 184, 109927.	3.5	15
14	Smartphone-based Surface Plasmon Resonance Sensors: a Review. Plasmonics, 2022, 17, 1869-1888.	3.4	13
15	Surface plasmons on ordered and bi-continuous spongy nanoporous gold. New Journal of Physics, 2014, 16, 063053.	2.9	11
16	Effect of annealing parameters and activation top layer on the growth of copper oxide nanowires. Applied Surface Science, 2020, 504, 144369.	6.1	10
17	Quantum dot-sensitized O-linked heptazine polymer photocatalyst for the metal-free visible light hydrogen generation. RSC Advances, 2020, 10, 29633-29641.	3.6	10
18	Fracture in self-lubricating inserts: A case study. Materials Today: Proceedings, 2022, 66, 3738-3742.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Solar driven photocatalytic hydrogen evolution using graphitic-carbon nitride/NSGQDs heterostructures. Applied Surface Science, 2021, 563, 150409.	6.1	9
20	Quad-band polarization sensitive terahertz metamaterial absorber using Gemini-shaped structure. Results in Optics, 2022, 8, 100254.	2.0	9
21	Dual Band Graphene Based Metamaterial Absorber for Terahertz Applications. , 2018, , .		8
22	I-shaped metamaterial antenna for X-band applications. , 2017, , .		7
23	A Highly Efficient Bilayer Graphene-HgCdTe Heterojunction Based $\text{p}^+\text{-n}$ Photodetector for Long Wavelength Infrared (LWIR). , 2018, , .		5
24	Recent advances in nanoporous AAO based substrates for surface-enhanced raman scattering. Materials Today: Proceedings, 2021, 41, 843-850.	1.8	5
25	Affordable, Compact and Infection-Free BiPAP Machine. , 2020, 5, 385-391.		4
26	Triple Band Polarisation Sensitive Metamaterial Absorber for Terahertz Applications. , 2020, , .		4
27	Ultra-thin and Dual Band Metamaterial Absorber for Terahertz Applications. , 2018, , .		3
28	Bilayer Graphene/HgCdTe Based Self-powered Mid-wave IR nBn Photodetector. , 2019, , .		3