

Radhika V Nair

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

213
citations

1307594

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h-index

1058476

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all docs

17
docs citations

17
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on optical bandgap engineering in TiO ₂ nanostructures via doping and intrinsic vacancy modulation towards visible light applications. Journal Physics D: Applied Physics, 2022, 55, 313003.	2.8	53
2	Large bandgap narrowing in rutile TiO ₂ aimed towards visible light applications and its correlation with vacancy-type defects history and transformation. Journal Physics D: Applied Physics, 2018, 51, 045107.	2.8	45
3	A novel and efficient surfactant-free synthesis of Rutile TiO ₂ microflowers with enhanced photocatalytic activity. Optical Materials, 2016, 55, 38-43.	3.6	19
4	Femtosecond laser-pumped plasmonically enhanced near-infrared random laser based on engineered scatterers. Optics Letters, 2017, 42, 5002.	3.3	19
5	Au nano-urchins enabled localized surface plasmon resonance sensing of beta amyloid fibrillation. Nanoscale Advances, 2020, 2, 2693-2698.	4.6	17
6	Efficient charge carrier separation and enhanced UV-visible photocatalytic activity in macroporous TiO ₂ decorated with V ₂ O ₅ /Ag nanostructures. Nano Structures Nano Objects, 2018, 13, 67-73.	3.5	11
7	(Cu ₂ O-Au) @ Graphene - Au layered structures as efficient near Infra - Red SERS substrates. Scientific Reports, 2020, 10, 4152.	3.3	10
8	Time dependent Bloch mode transmittance in self-assembled random photonic crystal for photonic time delay switching. Optical Materials, 2017, 64, 95-99.	3.6	6
9	Highly efficient surface enhanced Raman scattering with ZnS@Fe ₃ O ₄ @Ag composite structures as probes. Materials Research Express, 2017, 4, 015025.	1.6	5
10	Electro-Ionic Control of Surface Plasmons in Graphene-Layered Heterostructures. Nano Letters, 2020, 20, 8305-8311.	9.1	5
11	Gold Nano-Urchins Enhanced Surface Plasmon Resonance (SPR) BIOSENSORS for the Detection of Estrogen Receptor Alpha (ER α). IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-6.	2.9	5
12	Random lasing from a colloidal gain medium with urchin-like TiO ₂ structures. Proceedings of SPIE, 2016, , .	0.8	4
13	Design and Optimization of Novel ZnS@Metal Core-Shell Random Structures for Light Harvesting—a Computational Study. Plasmonics, 2017, 12, 1649-1656.	3.4	4
14	Resonant energy transfer and trace-level sensing using branched Ag-rod-supported carbon dots. Journal Physics D: Applied Physics, 2018, 51, 205101.	2.8	4
15	Optimization of macropore evolution towards high photocatalytic activity enhancement in meso/macro porous Anatase TiO ₂ . Materials Research Express, 2017, 4, 016201.	1.6	3
16	Fluorescence Resonance Energy Transfer (FRET)-Based ThT Free Sensing of Beta-Amyloid Fibrillation by Carbon Dot-Ag Composites. Plasmonics, 2021, 16, 863-872.	3.4	3
17	Efficient light trapping with ZnS-Au core-shell random medium. , 2016, , .		0