

Anisha Gopalakrishnan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

918
citations

687363

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1585
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Nanostar Dimers with a Sub-10-nm Gap for Single-/Few-Molecule Surface-Enhanced Raman Scattering. <i>Advanced Materials</i> , 2014, 26, 2353-2358.	21.0	263
2	Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars. <i>Advanced Optical Materials</i> , 2017, 5, 170052.	7.3	126
3	Bimetallic 3D Nanostar Dimers in Ring Cavities: Recyclable and Robust Surface-Enhanced Raman Scattering Substrates for Signal Detection from Few Molecules. <i>ACS Nano</i> , 2014, 8, 7986-7994.	14.6	101
4	Fabrication of large-area ordered and reproducible nanostructures for SERS biosensor application. <i>Analyst</i> , 2012, 137, 1785.	3.5	82
5	Laser synthesis of ligand-free bimetallic nanoparticles for plasmonic applications. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3075-3082.	2.8	75
6	Plasmon based biosensor for distinguishing different peptides mutation states. <i>Scientific Reports</i> , 2013, 3, 1792.	3.3	68
7	Plasmon resonance tuning in metal nanostars for surface enhanced Raman scattering. <i>Nanotechnology</i> , 2014, 25, 235303.	2.6	49
8	Hot-Spot Engineering in 3D Multi-Branched Nanostructures: Ultrasensitive Substrates for Surface-Enhanced Raman Spectroscopy. <i>Advanced Optical Materials</i> , 2017, 5, 1600836.	7.3	32
9	Surface enhanced Raman scattering substrate based on gold-coated anodic porous alumina template. <i>Microelectronic Engineering</i> , 2012, 97, 383-386.	2.4	30
10	Spectrally selective emitters based on 3D Mo nanopillars for thermophotovoltaic energy harvesting. <i>Materials Today Physics</i> , 2021, 21, 100503.	6.0	20
11	Optimization and characterization of Au cuboid nanostructures as a SERS device for sensing applications. <i>Microelectronic Engineering</i> , 2012, 97, 189-192.	2.4	19
12	Plasmonic nanostars for SERS application. <i>Microelectronic Engineering</i> , 2013, 111, 247-250.	2.4	19
13	Nanoplasmonic structures for biophotonic applications: SERS overview. <i>Annalen Der Physik</i> , 2012, 524, 620-636.	2.4	18
14	A new route to produce efficient surface-enhanced Raman spectroscopy substrates: gold-decorated CdSe nanowires. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	8
15	Effect on the Grain Size of Single-mode Microwave Sintered NiCuZn Ferrite and Zinc Titanate Dielectric Resonator Ceramics. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2011, 45, 128-136.	0.8	7
16	Plasmonic Nanostructures: 3D Nanostar Dimers with a Sub-10-nm Gap for Single-/Few-Molecule Surface-Enhanced Raman Scattering (<i>Adv. Mater.</i> 15/2014). <i>Advanced Materials</i> , 2014, 26, 2352-2352.	21.0	1
17	3D plasmonic nanostructures as building blocks for ultrasensitive Raman spectroscopy. , 2014, , .		0
18	Plasmonic Nanostructures for Nanoscale Energy Delivery and Biosensing: Design Fabrication and Characterization. , 2014, , 451-502.		0

#	ARTICLE	IF	CITATIONS
19	3D Plasmonic nanostar structures for recyclable SERS applications. , 2015, , .		0
20	Engineering 3D Multi-Branched Nanostructures for Ultra- Sensing Applications. , 2018, , .		0