Waqqar Ahmed

List of Publications by Year
in descending order

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17 papers	358 citations	840776 11 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	584 citing authors

#	Article	IF	Citations
1	Seedless, size and shape controlled synthesis of gold mesoscopic particles and their excellent SERS applications. Materials Chemistry and Physics, 2022, 278, 125589.	4.0	3
2	Facile fabrication of Au-Ag alloy nanoparticles on filter paper: Application in SERS based swab detection and multiplexing. Vibrational Spectroscopy, 2022, 120, 103359.	2.2	13
3	Fabrication of flexible, cost-effective, and scalable silver substrates for efficient surface enhanced Raman spectroscopy based trace detection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 619, 126542.	4.7	17
4	SERS-based trace detection by size and shape controlled noble metal particles with high benefit-cost ratio. , 2021, , .		0
5	Fabrication of Highly Catalytically Active Gold Nanostructures on Filterâ€Paper and Their Applications towards Degradation of Environmental Pollutants. ChemistrySelect, 2021, 6, 10655-10660.	1.5	7
6	Controlling the concentration of gold nanorods during their dielectrophoresis-assisted deposition. Materials Research Express, 2020, 7, 015050.	1.6	0
7	Monolayer Assembly of MultiSpiked Gold Nanoparticles for Surface-Enhanced Raman Spectroscopy-Based Trace Detection of Dyes and Explosives. ACS Applied Nano Materials, 2020, 3, 6766-6773.	5.0	20
8	Gold nanoworms: Optical properties and simultaneous SERS and fluorescence enhancement. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 220, 117111.	3.9	17
9	Facile synthesis of gold nanostars over a wide size range and their excellent surface enhanced Raman scattering and fluorescence quenching properties. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 03E101.	1.2	8
10	Facile room temperature synthesis of multifunctional CTAB coated gold nanoparticles. Chemical Physics, 2018, 510, 30-36.	1.9	31
11	Efficient seed-mediated method for the large-scale synthesis of Au nanorods. Journal of Nanoparticle Research, 2017, 19, 115.	1.9	19
12	Facile synthesis of gold nanoworms with a tunable length and aspect ratio through oriented attachment of nanoparticles. Nanoscale, 2014, 6, 13222-13227.	5.6	17
13	Tuning the oriented deposition of gold nanorods on patterned substrates. Nanotechnology, 2014, 25, 035301.	2.6	20
14	Tuning the dipole-directed assembly of core-shell nickel-coated gold nanorods. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	13
15	Controlling the morphology of multi-branched gold nanoparticles. Nanotechnology, 2010, 21, 125605.	2.6	68
16	Dipole directed ring assembly of Ni-coated Au-nanorods. Chemical Communications, 2010, 46, 6711.	4.1	23
17	Quantitative Analysis of Gold Nanorod Alignment after Electric Field-Assisted Deposition. Nano Letters, 2009, 9, 3786-3794.	9.1	82