Baharak Mehrdel

List of Publications by Year
in descending order

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Version: 2024-02-01

15 papers	402 citations	840776 11 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	340 citing authors

#	Article	IF	Citations
1	Upconversion lanthanide nanomaterials: basics introduction, synthesis approaches, mechanism and application in photodetector and photovoltaic devices. Nanotechnology, 2022, 33, 082001.	2.6	11
2	Mycosynthesis of ultrasonically-assisted uniform cubic silver nanoparticles by isolated phenols from Agaricus bisporus and its antibacterial activity. Surfaces and Interfaces, 2022, 29, 101774.	3.0	13
3	Monodisperse Gold Nanoparticles: A Review on Synthesis and Their Application in Modern Medicine. International Journal of Molecular Sciences, 2022, 23, 7400.	4.1	36
4	Sonochemical-assisted synthesis of highly stable gold nanoparticles catalyst for decoloration of methylene blue dye. Inorganic Chemistry Communication, 2021, 127, 108551.	3.9	21
5	Identifying Metal Nanoparticle Size Effect on Sensing Common Human Plasma Protein by Counting the Sensitivity of Optical Absorption Spectra Damping. Plasmonics, 2020, 15, 123-133.	3.4	17
6	Mechanisms of effective gold shell on Fe3O4 core nanoparticles formation using sonochemistry method. Ultrasonics Sonochemistry, 2020, 64, 104865.	8.2	45
7	Synthesis and coating methods of biocompatible iron oxide/gold nanoparticle and nanocomposite for biomedical applications. Chinese Journal of Physics, 2020, 64, 305-325.	3.9	62
8	Trastuzumab conjugated porphyrin-superparamagnetic iron oxide nanoparticle: A potential PTT-MRI bimodal agent for herceptin positive breast cancer. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101896.	2.6	37
9	Rapid sonochemically-assisted green synthesis of highly stable and biocompatible platinum nanoparticles. Surfaces and Interfaces, 2020, 20, 100635.	3.0	20
10	Simple rapid stabilization method through citric acid modification for magnetite nanoparticles. Scientific Reports, 2020, 10, 10793.	3.3	117
11	Hydrogen bond sensing ability of CdSe/ZnS colloidal quantum dots in ionic medium. Materials Research Express, 2019, 6, 015016.	1.6	0
12	Dependency of plasmon resonance sensitivity of colloidal gold nanoparticles on the identity of surrounding ionic media. Materials Research Express, 2018, 5, 035011.	1.6	1
13	The Sensitivity of Surface Plasmon Resonance Damping for Colloidal Silver Nanoparticles. Journal of Physics: Conference Series, 2018, 1083, 012042.	0.4	4
14	Effect of chemical interface damping and aggregation size of bare gold nanoparticles in NaCl on the plasmon resonance damping. Optical Materials Express, 2017, 7, 955.	3.0	15
15	Resonance position and extinction efficiency of a single silica coated gold nanoshell when size effects of core is matter. AIP Conference Proceedings, 2017, , .	0.4	3