

Sudhir Kapoor

List of Publications by Year in descending order

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papers

453
citations

687363

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times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of L-selenomethionine and L-selenocystine on the surface of silver nanoparticles: A spectroscopic study. <i>Nano Select</i> , 2021, 2, 47-60.	3.7	4
2	Distinguishing genomic DNA of <i>Brassica juncea</i> and <i>Arabidopsis thaliana</i> using surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 89-103.	2.5	19
3	Preparation of silver nanoparticles in the presence of polyoxometalates. <i>Materials Science and Engineering C</i> , 2019, 94, 437-444.	7.3	7
4	Surface selective binding of 2,5-dimercapto-1,3,4-thiadiazole (DMTD) on silver and gold nanoparticles: a Raman and DFT study. <i>RSC Advances</i> , 2016, 6, 62529-62539.	3.6	27
5	Metal nanoparticle catalyzed charge rearrangement in selenourea probed by surface-enhanced Raman scattering. <i>RSC Advances</i> , 2016, 6, 17405-17414.	3.6	33
6	Role of PVA in synthesis of nano Co ₃ O ₄ -decorated graphene oxide. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1114-1122.	3.2	1
7	Adsorption and sub-nanomolar sensing of thioflavin T on colloidal gold nanoparticles, silver nanoparticles and silver-coated films studied using surface-enhanced Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 949-956.	3.9	22
8	Synthesis of pH sensitive gold nanoparticles for potential application in radiosensitization. <i>Materials Science and Engineering C</i> , 2015, 55, 34-41.	7.3	10
9	Effect of SDS concentration on colloidal suspensions of Ag and Au nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 664-670.	3.9	13
10	Hidden chemistry of substituted aniline radical cations in water: a mechanistic study. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 2-9.	1.9	4
11	Aminopolycarboxylic acids and alginate composite-mediated green synthesis of Au and Ag nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2015, 5, 1-6.	9.1	14
12	Role of Surfactant in the Formation of Gold Nanoparticles in Aqueous Medium. <i>Journal of Nanoparticles</i> , 2014, 2014, 1-7.	1.4	25
13	Synthesis of silver nanoparticles in aqueous aminopolycarboxylic acid solutions via γ -irradiation and hydrogen reduction. <i>Materials Science and Engineering C</i> , 2014, 44, 87-91.	7.3	8
14	Photochemical synthesis of gold nanoparticles in N,N-dimethylformamide via thiourea-derivatized polyoxometalate. <i>Research on Chemical Intermediates</i> , 2014, 40, 1125-1133.	2.7	8
15	Reduction and aggregation of silver ions in aqueous citrate solutions. <i>Materials Science and Engineering C</i> , 2014, 38, 192-196.	7.3	18
16	Catalytic Reactions on the Surface of Ag Nanoparticles: A Photochemical Effect and/or Molecule Property?. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26227-26235.	3.1	24
17	Triethylamine induced synthesis of silver and bimetallic (Ag/Au) nanoparticles in glycerol and their antibacterial study. <i>Journal of Nanostructure in Chemistry</i> , 2014, 4, 1.	9.1	12
18	Biosynthesis, characterization and antibacterial studies of silver nanoparticles using pods extract of <i>Acacia auriculiformis</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 121-124.	3.9	35

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19	Interaction between Quantum Dots of CdTe and Reduced Graphene Oxide: Investigation through Cyclic Voltammetry and Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20944-20950.	3.1	58
20	Comparative study of p-aminobenzhydrazide and m-aminobenzhydrazide by free radicals and free electron transfer. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 870-878.	1.9	1
21	A simple approach for facile synthesis of Ag, anisotropic Au and bimetallic (Ag/Au) nanoparticles using cruciferous vegetable extracts. <i>Materials Science and Engineering C</i> , 2012, 32, 1827-1834.	7.3	53
22	Preparation, characterization, surface modification and redox reactions of silver nanoparticles in the presence of tryptophan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 498-504.	5.0	22
23	Oleic acid-assisted phase transfer of nanosized silver colloids. <i>Research on Chemical Intermediates</i> , 2010, 36, 403-410.	2.7	5
24	Synthesis and characterisation of silver nanoparticles in viscous solvents and its transfer into non-polar solvents. <i>Research on Chemical Intermediates</i> , 2010, 36, 411-421.	2.7	30
25	Effect of ligand on the redox reactions of thallium metal clusters. <i>Research on Chemical Intermediates</i> , 2009, 35, 79-89.	2.7	0