

Sudhir Kapoor

List of Publications by Year in descending order

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25
papers

453
citations

687363

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713466

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25
docs citations

25
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Metal nanoparticle catalyzed charge rearrangement in selenourea probed by surface-enhanced Raman scattering. <i>RSC Advances</i> , 2016, 6, 17405-17414.	3.6	33
5	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
6	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
7	Role of Surfactant in the Formation of Gold Nanoparticles in Aqueous Medium. <i>Journal of Nanoparticles</i> , 2014, 2014, 1-7.	1.4	25
8	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
9	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
10	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
11	Distinguishing genomic <i>scp</i> 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
12	Reduction and aggregation of silver ions in aqueous citrate solutions. <i>Materials Science and Engineering C</i> , 2014, 38, 192-196.	7.3	18
13	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
14	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
15	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
16	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
17	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
18	Photochemical synthesis of gold nanoparticles in <i>N,N</i> -dimethylformamide via thiourea-derivatized polyoxometalate. <i>Research on Chemical Intermediates</i> , 2014, 40, 1125-1133.	2.7	8

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19	Preparation of silver nanoparticles in the presence of polyoxometalates. <i>Materials Science and Engineering C</i> , 2019, 94, 437-444.	7.3	7
20	Oleic acid-assisted phase transfer of nanosized silver colloids. <i>Research on Chemical Intermediates</i> , 2010, 36, 403-410.	2.7	5
21	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
22	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
23	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
24	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
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