Nagappan Rajendiran

List of Publications by Year
in descending order

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		516215	344852
37	1,581	16	36
papers	citations	h-index	g-index

39	39	39	2299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biological synthesis of silver and gold nanoparticles using apiin as reducing agent. Colloids and Surfaces B: Biointerfaces, 2009, 68, 55-60.	2.5	441
2	Green Synthesized Silver and Gold Nanoparticles for Colorimetric Detection of Hg²⁺, Pb²⁺, and Mn²⁺ in Aqueous Medium. ACS Sustainable Chemistry and Engineering, 2014, 2, 887-896.	3.2	291
3	Phyllanthin-assisted biosynthesis of silver and gold nanoparticles: a novel biological approach. Journal of Nanoparticle Research, 2009, 11, 1075-1085.	0.8	259
4	Green synthesis of gold nanoparticles under sunlight irradiation and their colorimetric detection of Ni²⁺ and Co²⁺ ions. RSC Advances, 2015, 5, 11458-11468.	1.7	71
5	Highly selective and sensitive colorimetric detection of Hg(<scp>ii</scp>) ions using green synthesized silver nanoparticles. RSC Advances, 2015, 5, 94513-94518.	1.7	53
6	A sunlight-induced rapid synthesis of silver nanoparticles using sodium salt of N-cholyl amino acids and its antimicrobial applications. Colloids and Surfaces B: Biointerfaces, 2012, 96, 14-21.	2.5	47
7	Synthesis of Biodiesel using the Mg/Al/Zn Hydrotalcite/SBA-15 Nanocomposite Catalyst. ACS Omega, 2019, 4, 3500-3507.	1.6	38
8	Functionalization of silver and gold nanoparticles using amino acid conjugated bile salts with tunable longitudinal plasmon resonance. Colloids and Surfaces B: Biointerfaces, 2009, 73, 387-393.	2.5	36
9	Facile Synthesis of Bile Salt Encapsulated Gold Nanoparticles and Its Use in Colorimetric Detection of DNA. Journal of Physical Chemistry C, 2011, 115, 15266-15273.	1.5	34
10	Role of Surface Hydrophobicity of Dicationic Amphiphile-Stabilized Gold Nanoparticles on A549 Lung Cancer Cells. ACS Omega, 2017, 2, 3527-3538.	1.6	28
11	Metal-free synthesis of aryl esters by coupling aryl carboxylic acids and aryl boronic acids. Tetrahedron Letters, 2014, 55, 2345-2347.	0.7	27
12	Metal tetrasulfophthalocyanines catalysed co-oxidation of phenol with 4-aminoantipyrine using hydrogen peroxide as oxidant in aqueous microheterogeneous system. Journal of Molecular Catalysis A, 2006, 245, 185-191.	4.8	24
13	Development of poly(vinylcarbazole)/alumina nanocomposite coatings for corrosion protection of 316L stainless steel in 3.5% NaCl medium. Journal of Applied Polymer Science, 2017, 134, 44937.	1.3	24
14	Sodium Cholate-Templated Blue Light-Emitting Ag Subnanoclusters: In Vivo Toxicity and Imaging in Zebrafish Embryos. ACS Applied Materials & Interfaces, 2015, 7, 1422-1430.	4.0	22
15	Gold nanoparticles assisted characterization of amine functionalized polystyrene multiwell plate and glass slide surfaces. Applied Nanoscience (Switzerland), 2015, 5, 39-50.	1.6	22
16	Hierarchical Self-Assembly of Bile-Acid-Derived Dicationic Amphiphiles and Their Toxicity Assessment on Microbial and Mammalian Systems. ACS Applied Materials & Interfaces, 2016, 8, 25111-25126.	4.0	21
17	Platinum nanoparticle catalysed coupling of phenol derivatives with 4-aminoantipyrine in aqueous medium. Transition Metal Chemistry, 2008, 33, 899-905.	0.7	17
18	Bluish green emitting carbon quantum dots synthesized from jackfruit (Artocarpus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (hete 2018, 5, 024008.	0.8	16

#	Article	IF	Citations
19	Biosurfactant templated quantum sized fluorescent gold nanoclusters for in vivo bioimaging in zebrafish embryos. Colloids and Surfaces B: Biointerfaces, 2016, 143, 472-480.	2.5	15
20	Green Synthesis of Sodium Cholate Stabilized Silver Nanoparticles: An Effective Colorimetric Sensor for Hg²⁺ and Pb²⁺ Ions. ChemistrySelect, 2018, 3, 3918-3924.	0.7	14
21	Studies on the platinum and ruthenium nanoparticles catalysed reaction of aniline with 4-aminoantipyrine in aqueous and microheterogeneous media. Journal of Molecular Catalysis A, 2007, 265, 283-291.	4.8	12
22	Sweet Corn (Zea mays L. var. rugosa) Derived Fluorescent Carbon Quantum Dots for Selective Detection of Hydrogen Sulfide and Bioimaging Applications. ChemistrySelect, 2019, 4, 13668-13676.	0.7	12
23	A Facile Sunlightâ€Induced Synthesis of Phenylalanineâ€Conjugated Cholic Acidâ€Stabilized Silver and Gold Nanoparticles for Colorimetric Detection of Toxic Hg²⁺, Cr⁶⁺ and Pb²⁺ Ions. ChemistrySelect, 2019, 4, 6557-6567.	0.7	11
24	Synthesis and Anticorrosive Properties of Novel PVK-ZrO₂Nano Composite Coatings on Steel-Substrate. E-Journal of Surface Science and Nanotechnology, 2018, 16, 5-13.	0.1	7
25	Interaction of sulfur dioxide with zinc(II) tetrasulfo phthalocyanine in aqueous medium: steady state fluorescence quenching studies. Polyhedron, 2002, 21, 951-957.	1.0	5
26	Zwitterionicâ€Biosurfactantâ€Encapsulated Shapeâ€Controlled AgNPs: An Assessment of Shape Effect on Catalytic Properties. ChemistrySelect, 2018, 3, 7129-7136.	0.7	5
27	Antiproliferative potentials of chitin and chitosan encapsulated gold nanoparticles derived from unhatched Artemia cysts. Chemical Physics Letters, 2022, 790, 139345.	1.2	5
28	N-Cholyl <scp>d</scp>-Penicilamine Micelles Templated Red Light-Emitting Silver Nanoclusters: Fluorometric Sensor for S^{2â€“} Ions and Bioimaging Application Using Zebrafish Model. Langmuir, 2022, 38, 7580-7592.	1.6	5
29	Label Free Fluorometric Characterization of DNA Interaction with Cholate Capped Gold Nanoparticles Using Ethidium Bromide as a Fluorescent Probe. Journal of Fluorescence, 2014, 24, 1397-1406.	1.3	4
30	Auric Chloride Induced Micellization on Fractal Patterned Dicationic Amphiphiles and Stabilization of Gold Nanoparticles. ACS Omega, 2017, 2, 3539-3550.	1.6	4
31	Oxidative Cyclisation Based One-Pot Synthesis of 3-Substituted[1,2,4]triazolo[4,3-b]pyridazines Using Me₄NBr/Oxone. Journal of the Korean Chemical Society, 2013, 57, 606-611.	0.2	3
32	A Direct Transformation of Aryl Aldehydes to Benzyl Iodides Via Reductive Iodination. Journal of the Korean Chemical Society, 2014, 58, 39-43.	0.2	2
33	Antimicrobial Activities of Novel 3-Substituted [1,2,4] Triazolo[4,3-b]pyridazines Derivatives. Journal of the Korean Chemical Society, 2014, 58, 377-380.	0.2	2
34	A unified approach for the synthesis of symmetrical and unsymmetrical dibenzyl ethers from aryl aldehydes through reductive etherification. Journal of Saudi Chemical Society, 2016, 20, 330-335.	2.4	1
35	Synthesis of Nâ€Acetylcysteine Conjugated Cholic Acid Stabilized Gold and Silver Nanoparticles: Evaluation of Their Catalytic Activity and Toxicity Assessment. ChemistrySelect, 2021, 6, 5474-5487.	0.7	1
36	Green Chemical Synthesis of N-Cholyl-L-Cysteine Encapsulated Gold Nanoclusters for Fluorometric Detection of Mercury Ions. Journal of Fluorescence, 2022, 32, 1347-1356.	1.3	1

#	Article	IF	Citations
37	3-Methyl-4,5,6,7-tetrahydro-1-benzothiophene-2-carboxylic Acid. MolBank, 2010, 2010, M648.	0.2	0