

Shiv Shankar Sangaru

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

6,685
citations

471509

17
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

7315
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid synthesis of Au, Ag, and bimetallic Au core–Ag shell nanoparticles using Neem (Azadirachta) Tj ETQq1 1 0.784314 rgBT JOverbo	9.4	2,129
2	Biological synthesis of triangular gold nanoprisms. <i>Nature Materials</i> , 2004, 3, 482-488.	27.5	1,409
3	Geranium Leaf Assisted Biosynthesis of Silver Nanoparticles. <i>Biotechnology Progress</i> , 2003, 19, 1627-1631.	2.6	935
4	Bioreduction of chloroaurate ions by geranium leaves and its endophytic fungus yields gold nanoparticles of different shapes. <i>Journal of Materials Chemistry</i> , 2003, 13, 1822.	6.7	838
5	Controlling the Optical Properties of Lemongrass Extract Synthesized Gold Nanotriangles and Potential Application in Infrared-Absorbing Optical Coatings. <i>Chemistry of Materials</i> , 2005, 17, 566-572.	6.7	563
6	The structure and binding mode of citrate in the stabilization of gold nanoparticles. <i>Nature Chemistry</i> , 2017, 9, 890-895.	13.6	222
7	Monodispersed and size-controlled multibranched gold nanoparticles with nanoscale tuning of surface morphology. <i>Nanoscale</i> , 2011, 3, 2227.	5.6	101
8	Synthesis of Gold Nanospheres and Nanotriangles by the Turkevich Approach. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1721-1727.	0.9	97
9	Micro/Nanoscale Patterning of Nanostructured Metal Substrates for Plasmonic Applications. <i>ACS Nano</i> , 2009, 3, 893-900.	14.6	58
10	Ni–Ta–O mixed oxide catalysts for the low temperature oxidative dehydrogenation of ethane to ethylene. <i>Journal of Catalysis</i> , 2015, 329, 291-306.	6.2	57
11	Synthesis of highly stable silver nanoparticles by photoreduction and their size fractionation by phase transfer method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 392, 264-270.	4.7	42
12	Immobilization of biogenic gold nanoparticles in thermally evaporated fatty acid and amine thin films. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 69-75.	9.4	38
13	Aqueous Foams as Templates for the Synthesis of Calcite Crystal Assemblies of Spherical Morphology. <i>Chemistry of Materials</i> , 2004, 16, 1356-1361.	6.7	34
14	Surface Composition of Silver Nanocubes and Their Influence on Morphological Stabilization and Catalytic Performance in Ethylene Epoxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28576-28584.	8.0	28
15	Metal Nanocrystals and Their Applications in Biomedical Systems. <i>Science of Advanced Materials</i> , 2011, 3, 169-195.	0.7	25
16	Liquid Foam as a Template for the Synthesis of Iron Oxyhydroxide Nanoparticles. <i>Langmuir</i> , 2004, 20, 8853-8857.	3.5	20
17	Microscale Patterning of Hydrophobic/Hydrophilic Surfaces by Spatially Controlled Galvanic Displacement Reactions. <i>Langmuir</i> , 2009, 25, 6019-6023.	3.5	19
18	Synthesis of fluorescent metal nanoparticles in aqueous solution by photochemical reduction. <i>Nanotechnology</i> , 2014, 25, 045601.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Synthesis of CdS nanoparticles within thermally evaporated aerosol OT thin films. <i>PhysChemComm</i> , 2003, 6, 36.	0.8	12
20	A Novel Solution for Severe Loss Prevention While Drilling Deep Wells. <i>Sustainability</i> , 2020, 12, 1339.	3.2	9
21	The Synergetic Impact of Anionic, Cationic, and Neutral Polymers on VES Rheology at High-Temperature Environment. <i>Polymers</i> , 2022, 14, 1145.	4.5	9
22	A low-temperature, soft chemistry method for the synthesis of zirconia nanoparticles in thermally evaporated fatty amine thin films. <i>Journal of Colloid and Interface Science</i> , 2004, 269, 126-130.	9.4	8
23	Growth of TiO ₂ nanoparticles in thermally evaporated fatty amine thin films by a method of ion entrapment Electronic supplementary information (ESI) available: Fig. S1: XPS F 2p core level spectra recorded from the ODA-TiF ₆ composite film before (curve 1) and after hydrolysis (curve 2). See http://www.rsc.org/suppdata/jm/b3/b301314f/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 1108-1111.	6.7	7
24	A general approach for the synthesis of bimetallic M-Sn (M = Ru, Rh and Ir) catalysts for efficient hydrogenolysis of ester. <i>Catalysis Science and Technology</i> , 2017, 7, 581-586.	4.1	6
25	Interconnection of specific nano-objects by electron beam lithography – A controllable method. <i>Materials Science and Engineering C</i> , 2008, 28, 299-302.	7.3	2
26	Room-temperature metal stamping by microfluidics. <i>Materials Letters</i> , 2010, 64, 41-44.	2.6	2
27	Interconnecting single nano-objects on surfaces for transport experiments. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 2765.	1.3	1