Shiv Shankar Sangaru

List of Publications by Year
in descending order

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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	The Synergetic Impact of Anionic, Cationic, and Neutral Polymers on VES Rheology at High-Temperature Environment. Polymers, 2022, 14, 1145.	4.5	9
2	A Novel Solution for Severe Loss Prevention While Drilling Deep Wells. Sustainability, 2020, 12, 1339.	3.2	9
3	The structure and binding mode of citrate in the stabilization of gold nanoparticles. Nature Chemistry, 2017, 9, 890-895.	13.6	222
4	A general approach for the synthesis of bimetallic Mâ€“Sn (M = Ru, Rh and Ir) catalysts for efficient hydrogenolysis of ester. Catalysis Science and Technology, 2017, 7, 581-586.	4.1	6
5	Surface Composition of Silver Nanocubes and Their Influence on Morphological Stabilization and Catalytic Performance in Ethylene Epoxidation. ACS Applied Materials & Interfaces, 2015, 7, 28576-28584.	8.0	28
6	Niâ€“Taâ€“O mixed oxide catalysts for the low temperature oxidative dehydrogenation of ethane to ethylene. Journal of Catalysis, 2015, 329, 291-306.	6.2	57
7	Synthesis of fluorescent metal nanoparticles in aqueous solution by photochemical reduction. Nanotechnology, 2014, 25, 045601.	2.6	13
8	Monodispersed and size-controlled multibranched gold nanoparticles with nanoscale tuning of surface morphology. Nanoscale, 2011, 3, 2227.	5.6	101
9	Synthesis of highly stable silver nanoparticles by photoreduction and their size fractionation by phase transfer method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 264-270.	4.7	42
10	Metal Nanocrystals and Their Applications in Biomedical Systems. Science of Advanced Materials, 2011, 3, 169-195.	0.7	25
11	Room-temperature metal stamping by microfluidics. Materials Letters, 2010, 64, 41-44.	2.6	2
12	Microscale Patterning of Hydrophobic/Hydrophilic Surfaces by Spatially Controlled Galvanic Displacement Reactions. Langmuir, 2009, 25, 6019-6023.	3.5	19
13	Micro/Nanoscale Patterning of Nanostructured Metal Substrates for Plasmonic Applications. ACS Nano, 2009, 3, 893-900.	14.6	58
14	Interconnection of specific nano-objects by electron beam lithography â€” A controllable method. Materials Science and Engineering C, 2008, 28, 299-302.	7.3	2
15	Interconnecting single nano-objects on surfaces for transport experiments. Journal of Vacuum Science & Technology B, 2006, 24, 2765.	1.3	1
16	Synthesis of Gold Nanospheres and Nanotriangles by the Turkevich Approach. Journal of Nanoscience and Nanotechnology, 2005, 5, 1721-1727.	0.9	97
17	Controlling the Optical Properties of Lemongrass Extract Synthesized Gold Nanotriangles and Potential Application in Infrared-Absorbing Optical Coatings. Chemistry of Materials, 2005, 17, 566-572.	6.7	563
18	Biological synthesis of triangular gold nanoprisms. Nature Materials, 2004, 3, 482-488.	27.5	1,409

#	Article	IF	Citations
19	A low-temperature, soft chemistry method for the synthesis of zirconia nanoparticles in thermally evaporated fatty amine thin films. Journal of Colloid and Interface Science, 2004, 269, 126-130.	9.4	8
20	Immobilization of biogenic gold nanoparticles in thermally evaporated fatty acid and amine thin films. Journal of Colloid and Interface Science, 2004, 274, 69-75.	9.4	38
21	Rapid synthesis of Au, Ag, and bimetallic Au coreâ€“Ag shell nanoparticles using Neem (Azadirachta) Tj ETQq1 1 0.784314 rgBT /Over	9.4	2,129
22	Aqueous Foams as Templates for the Synthesis of Calcite Crystal Assemblies of Spherical Morphology. Chemistry of Materials, 2004, 16, 1356-1361.	6.7	34
23	Liquid Foam as a Template for the Synthesis of Iron Oxyhydroxide Nanoparticles. Langmuir, 2004, 20, 8853-8857.	3.5	20
24	Geranium Leaf Assisted Biosynthesis of Silver Nanoparticles. Biotechnology Progress, 2003, 19, 1627-1631.	2.6	935
25	Bioreduction of chloroaurate ions by geranium leaves and its endophytic fungus yields gold nanoparticles of different shapes. Journal of Materials Chemistry, 2003, 13, 1822.	6.7	838
26	Synthesis of CdS nanoparticles within thermally evaporated aerosol OT thin films. PhysChemComm, 2003, 6, 36.	0.8	12
27	Growth of TiO2 nanoparticles in thermally evaporated fatty amine thin films by a method of ion entrapmentElectronic supplementary information (ESI) available: Fig. S1: XPS F 2p core level spectra recorded from the ODAâ€“TiF6 composite film before (curve 1) and after hydrolysis (curve 2). See http://www.rsc.org/suppdata/jm/b3/b301314f/. Journal of Materials Chemistry, 2003, 13, 1108-1111.	6.7	7