

# Madhuri Mandal

## List of Publications by Year in descending order

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22  
papers

1,458  
citations

516710

16  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetite nanoparticles with tunable gold or silver shell. Journal of Colloid and Interface Science, 2005, 286, 187-194.	9.4	272
2	Seed Mediated Formation of Bimetallic Nanoparticles by UV Irradiation: A Photochemical Approach for the Preparation of "Core"Shell Type Structures. Nano Letters, 2001, 1, 319-322.	9.1	218
3	Silver and Gold Nanocluster Catalyzed Reduction of Methylene Blue by Arsine in a Micellar Medium. Langmuir, 2002, 18, 8756-8760.	3.5	142
4	UV Photoactivation for Size and Shape Controlled Synthesis and Coalescence of Gold Nanoparticles in Micelles. Langmuir, 2002, 18, 7792-7797.	3.5	118
5	Photochemical deposition of SERS active silver nanoparticles on silica gel and their application as catalysts for the reduction of aromatic nitro compounds. Journal of Colloid and Interface Science, 2004, 272, 134-144.	9.4	116
6	Removal of arsenic using hardened paste of Portland cement: batch adsorption and column study. Water Research, 2004, 38, 3780-3790.	11.3	116
7	Studies on the Evolution of Silver Nanoparticles in Micelle by UV-Photoactivation. Journal of Nanoparticle Research, 2003, 5, 577-587.	1.9	94
8	Synthesis and Characterization of Superparamagnetic Ni~Pt Nanoalloy. Chemistry of Materials, 2003, 15, 3710-3715.	6.7	75
9	Synthesis of Au@Agshell type bimetallic nanoparticles for single molecule detection in solution by SERS method. Journal of Nanoparticle Research, 2004, 6, 53-61.	1.9	66
10	Spectrophotometric determination of arsenic via arsine generation and in-situ colour bleaching of methylene blue (MB) in micellar medium. Talanta, 2002, 58, 935-942.	5.5	54
11	Reduction of methylene blue (MB) by ammonia in micelles catalyzed by metal nanoparticles Presented at the national conference on "Self Aggregating System" Recent Advances held March 16th, 2002 in Calcutta, India.. New Journal of Chemistry, 2003, 27, 656-662.	2.8	44
12	Micelle-mediated UV-photoactivation route for the evolution of Pd@Au shell and Pd@Ag shell bimetallics from photogenerated Pd nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 167, 17-22.	3.9	37
13	Silver and gold nanocluster catalyzed reduction of methylene blue by arsine in micellar medium. Bulletin of Materials Science, 2002, 25, 577-579.	1.7	24
14	Micelle bound redox dye marker for nanogram level arsenic detection promoted by nanoparticles. New Journal of Chemistry, 2002, 26, 1081-1084.	2.8	21
15	Synthesis of CoPt1~x alloy nanoparticles of different phase by micellar technique and their properties study. Journal of Colloid and Interface Science, 2009, 335, 40-43.	9.4	19
16	Wet chemical method for synthesis of superparamagnetic alloyed Ni~Pd and Ni~Pt nanomagnets in micelles. Journal of Colloid and Interface Science, 2003, 265, 23-28.	9.4	16
17	Hardened Paste of Portland Cement A New Low-Cost Adsorbent for the Removal of Arsenic from Water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 185-202.	1.7	9
18	Negatively charged micelles directed synthesis of snow-ball flower like superparamagnetic Ni nanoparticles and investigation of their properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 348, 35-38.	4.7	6

#	ARTICLE	IF	CITATIONS
19	Synthesis of DNA templated trifunctional electrically conducting, optical, and magnetic nanochain of Ni core–Au shell for biodevice. <i>Journal of Applied Physics</i> , 2009, 106, 026101.	2.5	5
20	UV-photoactivation technique for size and shape controlled synthesis and annealing of stable gold nanoparticles in micelle. <i>Bulletin of Materials Science</i> , 2002, 25, 509-511.	1.7	4
21	Engineering of DNA templated tri-functional nano-chain of Fe core–Au shell and a preliminary study for cancer cell labeling and treatment. <i>Journal of Advanced Research</i> , 2012, 3, 359-363.	9.5	2
22	Synthesis of Snowball Flower-like Ni Nanoparticles by Negatively Charged Micelles. <i>Chemistry Letters</i> , 2009, 38, 768-769.	1.3	0