

# 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	Engineering of DNA templated tri-functional nano-chain of Fe core@Au shell and a preliminary study for cancer cell labeling and treatment. Journal of Advanced Research, 2012, 3, 359-363.	9.5	2
2	Synthesis of DNA templated trifunctional electrically conducting, optical, and magnetic nanochain of Ni core@Au shell for biodevice. Journal of Applied Physics, 2009, 106, 026101.	2.5	5
3	Synthesis of CoPt <sub>1-x</sub> 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
4	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
5	Synthesis of Snowball Flower-like Ni Nanoparticles by Negatively Charged Micelles. Chemistry Letters, 2009, 38, 768-769.	1.3	0
6	Magnetite nanoparticles with tunable gold or silver shell. Journal of Colloid and Interface Science, 2005, 286, 187-194.	9.4	272
7	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
8	Synthesis of Au core@Ag shell type bimetallic nanoparticles for single molecule detection in solution by SERS method. Journal of Nanoparticle Research, 2004, 6, 53-61.	1.9	66
9	Micelle-mediated UV-photoactivation route for the evolution of Pd core@Au shell and Pd core@Ag shell bimetallics from photogenerated Pd nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 167, 17-22.	3.9	37
10	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
11	Removal of arsenic using hardened paste of Portland cement: batch adsorption and column study. Water Research, 2004, 38, 3780-3790.	11.3	116
12	Studies on the Evolution of Silver Nanoparticles in Micelle by UV-Photoactivation. Journal of Nanoparticle Research, 2003, 5, 577-587.	1.9	94
13	Wet chemical method for synthesis of superparamagnetic alloyed Ni <sub>1-x</sub> Pd and Ni <sub>1-x</sub> Pt nanomagnets in micelles. Journal of Colloid and Interface Science, 2003, 265, 23-28.	9.4	16
14	Synthesis and Characterization of Superparamagnetic Ni <sub>1-x</sub> Pt Nanoalloy. Chemistry of Materials, 2003, 15, 3710-3715.	6.7	75
15	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
16	Micelle bound redox dye marker for nanogram level arsenic detection promoted by nanoparticles. New Journal of Chemistry, 2002, 26, 1081-1084.	2.8	21
17	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
18	Silver and Gold Nanocluster Catalyzed Reduction of Methylene Blue by Arsine in a Micellar Medium. Langmuir, 2002, 18, 8756-8760.	3.5	142

#	ARTICLE	IF	CITATIONS
19	UV-photoactivation technique for size and shape controlled synthesis and annealing of stable gold nanoparticles in micelle. Bulletin of Materials Science, 2002, 25, 509-511.	1.7	4
20	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
21	UV Photoactivation for Size and Shape Controlled Synthesis and Coalescence of Gold Nanoparticles in Micelles. Langmuir, 2002, 18, 7792-7797.	3.5	118
22	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