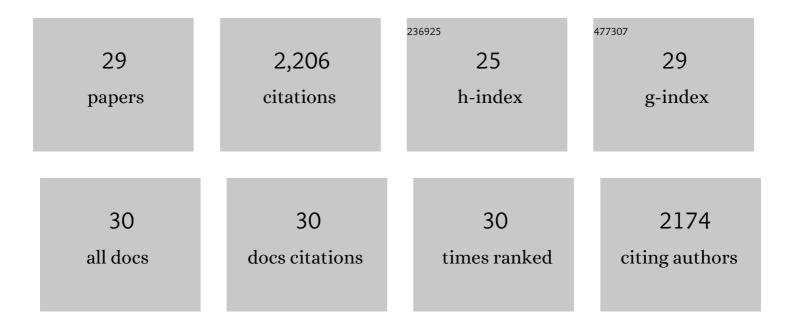
Rajesh K Mehra

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Optical properties of terbium-doped thiosalicylic-capped CdS nanocrystals. Chemical Physics Letters, 2003, 377, 131-136.	2.6	9
2	Novel synthetic phytochelatin-based capacitive biosensor for heavy metal ion detection. Biosensors and Bioelectronics, 2003, 18, 547-553.	10.1	120
3	Comparative Study of Time-Resolved Photoluminescence Properties of Terbium-Doped Thiosalicylic-Capped CdS and ZnS Nanocrystals. Journal of Physical Chemistry B, 2003, 107, 12153-12160.	2.6	26
4	Heavy Metal Removal by Novel CBD-EC20 Sorbents Immobilized on Cellulose. Biomacromolecules, 2002, 3, 462-465.	5.4	32
5	Efficient Photocatalytic Degradation of Environmental Pollutants with Mass-Produced ZnS Nanocrystals. Journal of Colloid and Interface Science, 2001, 240, 525-532.	9.4	111
6	Genetic Engineering of Escherichia coli for Enhanced Uptake and Bioaccumulation of Mercury. Applied and Environmental Microbiology, 2001, 67, 5335-5338.	3.1	127
7	Enhanced bioaccumulation of heavy metals by bacterial cells displaying synthetic phytochelatins. Biotechnology and Bioengineering, 2000, 70, 518-524.	3.3	185
8	A Simple Colloidal Synthesis for Gram-Quantity Production of Water-Soluble ZnS Nanocrystal Powders. Journal of Colloid and Interface Science, 2000, 227, 561-566.	9.4	126
9	Synthesis, Optical Spectroscopy and Ultrafast Electron Dynamics of PbS Nanoparticles with Different Surface Capping. Journal of Physical Chemistry B, 2000, 104, 11598-11605.	2.6	158
10	Zinc–Histidine as Nucleation Centers for Growth of ZnS Nanocrystals. Biochemical and Biophysical Research Communications, 2000, 272, 29-35.	2.1	42
11	Biomolecularly capped uniformly sized nanocrystalline materials: glutathione-capped ZnS nanocrystals. Nanotechnology, 1999, 10, 340-354.	2.6	69
12	Glutathione as a matrix for the synthesis of CdS nanocrystallites. Chemosphere, 1999, 38, 155-173.	8.2	28
13	Synthesis and Ultrafast Study of Cysteine- and Glutathione-Capped Ag2S Semiconductor Colloidal Nanoparticles. Journal of Physical Chemistry A, 1999, 103, 10194-10201.	2.5	143
14	Properties of glutathione- and phytochelatin-capped CdS bionanocrystallites. Journal of Inorganic Biochemistry, 1998, 69, 33-43.	3.5	75
15	A role for HEM2 in cadmium tolerance1DNA sequence reported here has been submitted to GenBank (Accession number Banklt160246 AF038566).1. Journal of Inorganic Biochemistry, 1998, 69, 293-303.	3.5	15
16	Cysteine-capped ZnS nanocrystallites: Preparation and characterization. Journal of Inorganic Biochemistry, 1998, 70, 125-135.	3.5	75
17	Cysteine-mediated synthesis of CdS bionanocrystallites. Chemosphere, 1998, 37, 363-385.	8.2	42
18	Characteristics of Glutathione-Capped ZnS Nanocrystallites. Biochemical and Biophysical Research Communications, 1997, 237, 16-23.	2.1	44

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#	Article	IF	CITATIONS
19	Metal-binding characteristics of a phytochelatin analog (Glu-Cys)2Gly. Journal of Inorganic Biochemistry, 1997, 68, 201-210.	3.5	65
20	Optical spectroscopic and reverse-phase HPLC analyses of Hg(II) binding to phytochelatins. Biochemical Journal, 1996, 314, 73-82.	3.7	73
21	Ag(I)-binding to phytochelatins. Journal of Inorganic Biochemistry, 1996, 61, 125-142.	3.5	44
22	Analysis of copper-induced metallothionein expression using autonomously replicating plasmids inCandida glabrata. Yeast, 1995, 11, 1501-1511.	1.7	17
23	Cloning system for Candida glabrata using elements from the metallothionein-IIa-encoding gene that confer autonomous replication. Gene, 1992, 113, 119-124.	2.2	30
24	Disruption analysis of metallothionein-encoding genes in Candida glabrata. Gene, 1992, 114, 75-80.	2.2	33
25	[10] Assay of extracellular metallothionein. Methods in Enzymology, 1991, 205, 60-70.	1.0	7
26	Metal ion resistance in fungi: Molecular mechanisms and their regulated expression. Journal of Cellular Biochemistry, 1991, 45, 30-40.	2.6	280
27	Host Defenses against Copper Toxicity. International Review of Experimental Pathology, 1990, 31, 47-83.	0.2	63
28	Cu(I) binding to the Schizosaccharomyces pombe $\hat{1}^3$ -glutamyl peptides varying in chain lengths. Archives of Biochemistry and Biophysics, 1988, 265, 381-389.	3.0	58
29	Measurement of Plasma Metallothionein-I in the Assessment of the Zinc Status of Zinc-Deficient and Stressed Rats. Journal of Nutrition, 1984, 114, 1683-1689.	2.9	109