Jin He

List of Publications by Citations

33 papers	588 citations	12 h-index	23 g-index
34 ext. papers	640 ext. citations	9 avg, IF	4.56 L-index

#	Paper	IF	Citations
33	Sol-gel materials as efficient enzyme protectors: preserving the activity of phosphatases under extreme ph conditions. *Journal of the American Chemical Society*, **2005**, 127, 8077-81	16.4	152
32	Entrapment of Organic Molecules within Metals: Dyes in Silver. *Chemistry of Materials*, **2002**, 14, 1736-1741	9.6	55
31	Bioactive enzyme-metal composites: the entrapment of acid phosphatase within gold and silver. *Biomaterials*, **2009**, 30, 1263-7	15.6	46
30	Molecularly doped metals. *Accounts of Chemical Research*, **2014**, 47, 579-92	24.3	43
29	Entrapment of Organic Molecules within Metals. 2. Polymers in Silver. *Chemistry of Materials*, **2004**, 16, 3197-3202	9.6	35
28	A Concept in Bactericidal Materials: The Entrapment of Chlorhexidine within Silver. *Advanced Functional Materials*, **2010**, 20, 2324-2329	15.6	33
27	Polyaniline Entrapped in Silver: Structural Properties and Electrical Conductivity. *Advanced Functional Materials*, **2009**, 19, 1293-1298	15.6	29
26	Recent Progress in the Study of Molecularly Doped Metals. *Advanced Materials*, **2018**, 30, e1706804	24	28
25	Entrapment of enzymes in silica aerogels. *Materials Today*, **2020**, 33, 24-35	21.8	18
24	Organics@metals as the Basis for a Silver/Doped-Silver Electrochemical Cell. *Chemistry of Materials*, **2011**, 23, 3289-3295	9.6	15
23	Sustained release from a metal - Analgesics entrapped within biocidal silver. *Scientific Reports*, **2017** , 7, 4161	4.9	13
22	Enzymes in a golden cage. *Chemical Science*, **2020**, 11, 3965-3977	9.4	12
21	Multiple One-Pot Reaction Steps using Organically Doped Metallic Hybrid Catalyst. *ChemCatChem*, **2013**, 5, 2195-2198	5.2	10
20	Dual Catalytic Activity of Palladium Doped with a Rhodium Complex in a One-pot, Four Step Process. *ChemCatChem*, **2015**, 7, 2033-2037	5.2	10
19	Induction of enhanced magnetic behavior in gold, silver, and copper by doping with SrFe12O19 nanoparticles. *Physical Review B*, **2019**, 99,	3.3	9
18	Electroless Functionalization of Silver Films by Its Molecular Doping. *ACS Applied Materials & Interfaces*, **2015**, 7, 26461-9	9.5	9
17	Fine-tuning of the metal work function by molecular doping. *Chemical Communications*, **2018**, 54, 7203-7206	5.8	9

16	Enzyme renaturation to higher activity driven by the sol-gel transition: Carbonic anhydrase. *Scientific Reports*, **2015**, 5, 14411	4.9	8
15	Corrosion-Resistant Hybrid Nanoparticles of Polydimethylsiloxane@Fe Obtained by Thermolysis of Fe(CO)5. *European Journal of Inorganic Chemistry*, **2016**, 2016, 1488-1496	2.3	8
14	Sol-gel derived alumina glass: Mechanistic study of its structural evolution. *Acta Materialia*, **2019**, 174, 418-426	8.4	7
13	Affecting an Ultra-High Work Function of Silver. *Angewandte Chemie - International Edition*, **2020**, 59, 4698-4704	16.4	7
12	Entrapment of Drugs within Metallic Platinum and Their Delivery. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2355-2364	5.5	6
11	Sol-gel derived mesoporous GaAlPO4 glass for heavy metal ion sequestration. *RSC Advances*, **2016**, 6, 99149-99157	3.7	6
10	Metallic Conductive Luminescent Film. *ACS Nano*, **2019**, 13, 10826-10834	16.7	5
9	Better Catalysis with Organically Modified Sol-Gel Materials **2015**, 963-986		4
8	Conductive molecularly doped gold films. *Journal of Materials Chemistry C*, **2016**, 4, 11548-11556	7.1	3
7	Catalyst@Metal Hybrids in a One-Pot Multistep Opposing Oxidation and Reduction Reaction Sequence. *ChemCatChem*, **2017**, 9, 816-823	5.2	3
6	Stiffening of Metallic Gallium Particles by Entrapment of Organic Molecules. *Crystal Growth and Design*, **2017**, 17, 2041-2045	3.5	2
5	New reed switch design based on magnetic silver. *Materials Research Express*, **2019**, 6, 126329	1.7	1
4	Optical rotation kinetics study of the polycondensation of chiral sol-gel precursors. *Journal of Sol-Gel Science and Technology*, **2019**, 90, 149-154	2.3	1
3	Metal nanoparticles entrapped in metal matrices. *Nanoscale Advances*, **2021**, 3, 4597-4612	5.1	1
2	Entrapment of glucose oxidase within gold converts it to a general monosaccharide-oxidase. *Scientific Reports*, **2021**, 11, 10737	4.9	0
1	Affecting an Ultra-High Work Function of Silver. *Angewandte Chemie*, **2020**, 132, 4728-4734	3.6	