

# Mohammad H Entezari

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101  
papers

6,738  
citations

39  
h-index

81  
g-index

103  
ext. papers

7,395  
ext. citations

8.5  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
101	Design of new, efficient, and suitable electrode material through interconnection of ZIF-67 by polyaniline nanotube on graphene flakes for supercapacitors. <i>Journal of Power Sources</i> , <b>2022</b> , 538, 231588	8.9	0
100	Sono-synthesis approach improves anticancer activity of ZnO nanoparticles: reactive oxygen species depletion for killing human osteosarcoma cells. <i>Nanomedicine</i> , <b>2021</b> , 16, 657-671	5.6	
99	Photoelectrochemical water splitting by a novel design of photo-anode: inverse opal-like UiO-66 sensitized by Pd and decorated with S,N graphene QDs. <i>Electrochimica Acta</i> , <b>2021</b> , 391, 138926	6.7	3
98	Ultrasound assisted deposition of highly stable self-assembled BiMoO nanoplates with selective crystal facet engineering as photoanode. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 67, 105145	8.9	9
97	Access to nanocrystalline, uniform, and fine-grained Ni-P coating with improved anticorrosive action through the growth of ZnO nanostructures before the plating process. <i>Corrosion Science</i> , <b>2020</b> , 172, 108743	6.8	4
96	Salting out in ACN/water systems: Hofmeister effects and partition of quercetin. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 312, 113331	6	4
95	BiMoO nanofilms on the stainless steel mesh by PS-PED method: Photocatalytic degradation of diclofenac sodium as a pharmaceutical pollutant. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 62, 104867	8.9	8
94	Surface modification of mild steel before acrylic resin coating by hybrid ZnO/GO nanostructures to improve the corrosion protection. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 83, 333-342	6.3	13
93	Sono-electrodeposition of novel bismuth sulfide films on the stainless steel mesh: Photocatalytic reduction of Cr (VI). <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121300	12.8	14
92	Mesoporous superparamagnetic hydroxyapatite nanocomposite: A multifunctional platform for synergistic targeted chemo-magnetotherapy. <i>Materials Science and Engineering C</i> , <b>2019</b> , 101, 27-41	8.3	15
91	A novel synthesis of forest like BiFeO <sub>3</sub> thin film: Photo-electrochemical studies and its application as a photocatalyst for phenol degradation. <i>Applied Surface Science</i> , <b>2019</b> , 483, 793-802	6.7	12
90	Sonochemical versus hydrothermal synthesis of bismuth tungstate nanostructures: Photocatalytic, sonocatalytic and sonophotocatalytic activities. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 51, 1-11	8.9	37
89	Anodic electrophoretic deposition of Bi <sub>2</sub> WO <sub>6</sub> thin film: high photocatalytic activity for degradation of a binary mixture. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 242, 507-517	21.8	53
88	Synergistic effect of low and high intensity ultrasonic irradiation on the direct growth of ZnO nanostructures on the galvanized steel surface: investigation of the corrosion behavior. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 44, 380-389	8.9	10
87	Sono-synthesis approach in uniform loading of ultrafine Ag nanoparticles on reduced graphene oxide nanosheets: An efficient catalyst for the reduction of 4-Nitrophenol. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 44, 1-13	8.9	32
86	Graphene oxide nanosheets synthesized by ultrasound: Experiment versus MD simulation. <i>Applied Surface Science</i> , <b>2018</b> , 451, 112-120	6.7	4
85	Sonication affects the quantity and the morphology of ZnO nanostructures synthesized on the mild steel and changes the corrosion protection of the surface. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 41, 492-502	8.9	11

84	BFO thin film on the stainless steel mesh by anodic EPD: A visible light photocatalyst for degradation of Rhodamin B. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 365, 185-198	4.7	15
83	Direct growth of ZnO nanostructures on the Zn electroplated mild steel to create the surface roughness and improve the corrosion protection of the electroless Ni-P coating. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2018</b> , 231, 18-27	3.1	7
82	Sono-synthesis of solar light responsive S-N-C-tri doped TiO photo-catalyst under optimized conditions for degradation and mineralization of Diclofenac. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 38, 234-245	8.9	38
81	The variation of surface free energy of Al during superhydrophobicity processing. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 181-187	14.7	12
80	Fabrication of superhydrophobic iron with anti-corrosion property by ultrasound. <i>Surface and Coatings Technology</i> , <b>2017</b> , 309, 795-804	4.4	11
79	Sono-incorporation of CuO nanoparticles on the surface and into the mesoporous hexatitanate layers: Enhanced Fenton-like activity in degradation of orange-G at its neutral pH. <i>Applied Surface Science</i> , <b>2017</b> , 399, 732-741	6.7	11
78	Degradation of Diclofenac by sonosynthesis of pyrite nanoparticles. <i>Journal of Environmental Management</i> , <b>2017</b> , 187, 416-423	7.9	19
77	High visible light intercalated nanophotocatalyst (PbS-CdS/Ti6O13) synthesized by ultrasound: Photocatalytic activity, photocorrosion resistance and degradation mechanism. <i>Separation and Purification Technology</i> , <b>2017</b> , 174, 482-492	8.3	12
76	Sono-intercalation of CdS nanoparticles into the layers of titanate facilitates the sunlight degradation of Congo red. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 462, 130-9	9.3	14
75	On-line preconcentration of ultra-trace thallium(I) in water samples with titanium dioxide nanoparticles and determination by graphite furnace atomic absorption spectrometry. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, S1833-S1839	5.9	14
74	Mechanistic investigation of the influence of phosphoric and boric acids in the formation of homogeneous Ni-P/ZnO@SiO2 coatings. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 464, 291-300	9.3	9
73	Simple and versatile one-step synthesis of FeS2 nanoparticles by ultrasonic irradiation. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 470, 204-210	9.3	34
72	Sonosynthesis of an Ag/AgBr/Graphene-oxide nanocomposite as a solar photocatalyst for efficient degradation of methyl orange. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 466, 227-37	9.3	28
71	Wettability properties vary with different morphologies of ZnO nanoparticles deposited on glass and modified by stearic acid. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2582-2591	3.6	21
70	Toward a durable superhydrophobic aluminum surface by etching and ZnO nanoparticle deposition. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 463, 37-45	9.3	63
69	Effects of Bread with Nigella Sativa on Lipid Profiles, Apolipoproteins and Inflammatory Factor in Metabolic Syndrome Patients. <i>Clinical Nutrition Research</i> , <b>2016</b> , 5, 89-95	1.7	9
68	Anatomical and ultrastructural responses of Brassica napus after long-term exposure to excess zinc. <i>Turkish Journal of Biology</i> , <b>2016</b> , 40, 652-660	3.1	10
67	Ultrasound facilitates the synthesis of potassium hexatitanate and co-intercalation with PbS-CdS nanoparticles. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 32, 348-356	8.9	15

66	Long-term exposure of rapeseed ( <i>Brassica napus</i> L.) to ZnO nanoparticles: anatomical and ultrastructural responses. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 10733-43	5.1	35
65	Modification of C/TiO <sub>2</sub> @MCM-41 with nickel nanoparticles for photocatalytic desulfurization enhancement of a diesel fuel model under visible light. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 457, 353-9	9.3	26
64	Modification of mesoporous silica magnetite nanoparticles by 3-aminopropyltriethoxysilane for the removal of Cr(VI) from aqueous solution. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 218, 101-111	5.3	66
63	Achieving to a superhydrophobic glass with high transparency by a simple sol-gel-dip-coating method. <i>Surface and Coatings Technology</i> , <b>2015</b> , 276, 557-564	4.4	33
62	Enhancement of the corrosion protection of electroless NiP coating by deposition of sonosynthesized ZnO nanoparticles. <i>Applied Surface Science</i> , <b>2015</b> , 351, 1060-1068	6.7	19
61	Direct and indirect sonication affect differently the microstructure and the morphology of ZnO nanoparticles: Optical behavior and its antibacterial activity. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 27, 466-473	8.9	40
60	Evaluation of antibacterial activity of anticorrosive electroless NiP coating against <i>Escherichia coli</i> and its enhancement by deposition of sono-synthesized ZnO nanoparticles. <i>Surface and Coatings Technology</i> , <b>2015</b> , 266, 160-166	4.4	14
59	Configurational study of amino-functionalized silica surfaces: A density functional theory modeling. <i>Journal of Molecular Graphics and Modelling</i> , <b>2015</b> , 59, 21-30	2.8	3
58	Photocatalytic oxidative desulfurization of dibenzothiophene by C/TiO <sub>2</sub> @MCM-41 nanoparticles under visible light and mild conditions. <i>RSC Advances</i> , <b>2015</b> , 5, 34652-34662	3.7	55
57	Rheological properties of the nanofluids of tungsten oxide nanoparticles in ethylene glycol and glycerol. <i>Microfluidics and Nanofluidics</i> , <b>2015</b> , 19, 1191-1202	2.8	17
56	Cubic Ag/AgBr/graphene oxide nanocomposite: sono-synthesis and use as a solar photocatalyst for the degradation of DCF as a pharmaceutical pollutant. <i>RSC Advances</i> , <b>2015</b> , 5, 97027-97035	3.7	12
55	Comparative Effects of ZnO Nanoparticles, ZnO Bulk Particles, and Zn <sup>2+</sup> on <i>Brassica napus</i> After Long-Term Exposure: Changes in Growth, Biochemical Compounds, Antioxidant Enzyme Activities, and Zn Bioaccumulation. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	33
54	Sono-synthesis of biodiesel from soybean oil by KF/EAlO <sub>3</sub> as a nano-solid-base catalyst. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 23, 266-74	8.9	45
53	The new aspects of the anticorrosive ZnO@SiO <sub>2</sub> core-shell NPs in stabilizing of the electrolytic Ni bath and the Ni coating structure; electrochemical behavior of the resulting nano-composite coatings. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 455, 110-6	9.3	11
52	Amino-functionalized silica magnetite nanoparticles for the simultaneous removal of pollutants from aqueous solution. <i>Applied Surface Science</i> , <b>2015</b> , 333, 68-77	6.7	76
51	Solar-Fenton catalytic degradation of phenolic compounds by impure bismuth ferrite nanoparticles synthesized via ultrasound. <i>Chemical Engineering Journal</i> , <b>2014</b> , 251, 207-216	14.7	64
50	Ultratrace determination of cadmium(II) ions in water samples using graphite furnace atomic absorption spectrometry after separation and preconcentration using magnetic activated carbon nanocomposites. <i>Analytical Methods</i> , <b>2014</b> , 6, 9490-9496	3.2	12
49	Facile and fast synthesis of graphene oxide nanosheets via bath ultrasonic irradiation. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 432, 19-25	9.3	75

48	Influences of spinel type and polymeric surfactants on the size evolution of colloidal magnetic nanocrystals (MFe <sub>2</sub> O <sub>4</sub> , M= Fe, Mn). <i>Frontiers of Chemical Science and Engineering</i> , <b>2014</b> , 8, 378-385	4.5	2
47	Comparative phytotoxicity of ZnO nanoparticles, ZnO microparticles, and Zn <sup>2+</sup> on rapeseed ( <i>Brassica napus</i> L.): investigating a wide range of concentrations. <i>Toxicological and Environmental Chemistry</i> , <b>2014</b> , 96, 861-868	1.4	63
46	Complete mineralization of surfactant from aqueous solution by a novel sono-synthesized nanocomposite (TiO <sub>2</sub> /Cu <sub>2</sub> O) under sunlight irradiation. <i>Chemical Engineering Journal</i> , <b>2013</b> , 229, 304-312	14.7	22
45	Preparation, characterization, and rheological properties of graphene-glycerol nanofluids. <i>Chemical Engineering Journal</i> , <b>2013</b> , 231, 365-372	14.7	107
44	Solar photocatalytic degradation of RB5 by ferrite bismuth nanoparticles synthesized via ultrasound. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 1245-53	8.9	101
43	Kinetic investigation on sono-degradation of Reactive Black 5 with core-shell nanocrystal. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 386-94	8.9	47
42	Chromium(VI) removal by maghemite nanoparticles. <i>Chemical Engineering Journal</i> , <b>2013</b> , 222, 527-533	14.7	178
41	Photolysis and photocatalysis of methylene blue by ferrite bismuth nanoparticles under sunlight irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 377, 197-203		165
40	High stable suspension of magnetite nanoparticles in ethanol by using sono-synthesized nanomagnetite in polyol medium. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 3149-3156	5.1	22
39	Sono-synthesis of bismuth ferrite nanoparticles with high photocatalytic activity in degradation of Rhodamine B under solar light irradiation. <i>Chemical Engineering Journal</i> , <b>2013</b> , 223, 145-154	14.7	127
38	Sono-catalytic degradation and fast mineralization of p-chlorophenol: La(0.7)Sr(0.3)MnO <sub>3</sub> as a nano-magnetic green catalyst. <i>Ultrasonics Sonochemistry</i> , <b>2013</b> , 20, 1419-27	8.9	33
37	A novel approach for the synthesis of superparamagnetic Mn <sub>3</sub> O <sub>4</sub> nanocrystals by ultrasonic bath. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 560-9	8.9	36
36	Synthesis of manganese oxide nanocrystal by ultrasonic bath: effect of external magnetic field. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 830-40	8.9	40
35	Sono-synthesis of core-shell nanocrystal (CdS/TiO <sub>2</sub> ) without surfactant. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 1070-8	8.9	46
34	Activated carbon from carrot dross combined with magnetite nanoparticles for the efficient removal of p-nitrophenol from aqueous solution. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 510-519	14.7	95
33	Role of polymeric surfactants on the growth of manganese ferrite nanoparticles. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 157-165	14.7	26
32	A review on the visible light active titanium dioxide photocatalysts for environmental applications. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 125, 331-349	21.8	2848
31	Exceptional catalytic efficiency in mineralization of the reactive textile azo dye (RB5) by a combination of ultrasound and core-shell nanoparticles (CdS/TiO <sub>2</sub> ). <i>Journal of Hazardous Materials</i> , <b>2011</b> , 195, 132-8	12.8	60

30	Micro-emulsion under ultrasound facilitates the fast synthesis of quantum dots of CdS at low temperature. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 127-34	8.9	42
29	A novel method for the synthesis of CdS nanoparticles without surfactant. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 269-75	8.9	59
28	Fast and easy synthesis of core-shell nanocrystal (CdS/TiO <sub>2</sub> ) at low temperature by micro-emulsion under ultrasound. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 629-34	8.9	68
27	Sorption studies of nitrate ion by a modified beet residue in the presence and absence of ultrasound. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 711-7	8.9	33
26	Ultrasound with low intensity assisted the synthesis of nanocrystalline TiO <sub>2</sub> without calcination. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 878-83	8.9	61
25	Sono-synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles in different media without additives. <i>Chemical Engineering Journal</i> , <b>2010</b> , 164, 261-266	14.7	36
24	Water softening by combination of ultrasound and ion exchange. <i>Ultrasonics Sonochemistry</i> , <b>2009</b> , 16, 356-60	8.9	33
23	Cadmium and lead ions can be removed simultaneously from a binary aqueous solution by the sono-sorption method. <i>Ultrasonics Sonochemistry</i> , <b>2009</b> , 16, 495-501	8.9	8
22	Simultaneous removal of copper and lead ions from a binary solution by sono-sorption process. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 160, 88-93	12.8	22
21	Ultrasound improves the synthesis of 5-hydroxymethyl-2-mercapto-1-benzylimidazole as a base compound of some pharmaceutical products. <i>European Journal of Medicinal Chemistry</i> , <b>2008</b> , 43, 2835-9	6.8	2
20	Sono-synthesis of imidazolidine-2-thione as a base compound of some pharmaceutical products. <i>Ultrasonics Sonochemistry</i> , <b>2008</b> , 15, 119-23	8.9	18
19	Influence of ultrasound on cadmium ion removal by sorption process. <i>Ultrasonics Sonochemistry</i> , <b>2008</b> , 15, 428-432	8.9	19
18	Fast and efficient removal of Reactive Black 5 from aqueous solution by a combined method of ultrasound and sorption process. <i>Ultrasonics Sonochemistry</i> , <b>2008</b> , 15, 433-437	8.9	24
17	Sono-sorption as a new method for the removal of methylene blue from aqueous solution. <i>Ultrasonics Sonochemistry</i> , <b>2007</b> , 14, 599-604	8.9	39
16	A combination of ultrasound and a bio-catalyst: removal of 2-chlorophenol from aqueous solution. <i>Ultrasonics Sonochemistry</i> , <b>2006</b> , 13, 37-41	8.9	41
15	Ultrasound facilitates and improves removal of Cd(II) from aqueous solution by the discarded tire rubber. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 131, 84-9	12.8	26
14	Sono-sorption as a new method for the removal of lead ion from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 137, 959-64	12.8	21
13	Combination of ultrasound and discarded tire rubber: removal of Cr(III) from aqueous solution. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 4638-42	2.8	29

12	A combination of ultrasound and oxidative enzyme: sono-enzyme degradation of phenols in a mixture. <i>Ultrasonics Sonochemistry</i> , <b>2005</b> , 12, 283-8	8.9	48
11	A combination of ultrasound and inorganic catalyst: removal of 2-chlorophenol from aqueous solution. <i>Ultrasonics Sonochemistry</i> , <b>2005</b> , 12, 137-41	8.9	76
10	A combination of ultrasound and oxidative enzyme: sono-biodegradation of phenol. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 53, 257-263	21.8	53
9	The direct effect of ultrasound on the extraction of date syrup and its micro-organisms. <i>Ultrasonics Sonochemistry</i> , <b>2004</b> , 11, 379-84	8.9	69
8	Sonochemical degradation of phenol in water: a comparison of classical equipment with a new cylindrical reactor. <i>Ultrasonics Sonochemistry</i> , <b>2003</b> , 10, 103-8	8.9	105
7	A combination of ultrasound and oxidative enzyme: sono-biodegradation of substituted phenols. <i>Ultrasonics Sonochemistry</i> , <b>2003</b> , 10, 241-6	8.9	40
6	Phase-transfer catalysis and ultrasonic waves II: saponification of vegetable oil. <i>Ultrasonics Sonochemistry</i> , <b>2001</b> , 8, 213-6	8.9	42
5	Phase-transfer catalysis and ultrasonic waves. I. Cannizzaro reaction. <i>Ultrasonics Sonochemistry</i> , <b>2000</b> , 7, 169-72	8.9	44
4	The effect of frequency on sonochemical reactions III: dissociation of carbon disulfide. <i>Ultrasonics Sonochemistry</i> , <b>1997</b> , 4, 49-54	8.9	66
3	Sonication of aqueous solutions of chlorobenzene. <i>Ultrasonics Sonochemistry</i> , <b>1997</b> , 4, 229-33	8.9	64
2	Effect of frequency on sonochemical reactions II. Temperature and intensity effects. <i>Ultrasonics Sonochemistry</i> , <b>1996</b> , 3, 19-24	8.9	205
1	Effect of frequency on sonochemical reactions. I: Oxidation of iodide. <i>Ultrasonics Sonochemistry</i> , <b>1994</b> , 1, S75-S79	8.9	117