

# Mehdi Maham

## List of Publications by Year in descending order

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44  
papers

2,005  
citations

279798

23  
h-index

243625

44  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of palladium nanoparticles using Hippophae rhamnoides Linn leaf extract and their catalytic activity for the Suzuki–Miyaura coupling in water. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 297-303.	4.8	231
2	Green synthesis of CuO nanoparticles by aqueous extract of Gundelia tournefortii and evaluation of their catalytic activity for the synthesis of N -monosubstituted ureas and reduction of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 245-253.	9.4	137
3	Biosynthesis of the palladium/sodium borosilicate nanocomposite using Euphorbia milii extract and evaluation of its catalytic activity in the reduction of chromium(VI), nitro compounds and organic dyes. <i>Materials Research Bulletin</i> , 2018, 102, 24-35.	5.2	129
4	Barberry fruit extract assisted in situ green synthesis of Cu nanoparticles supported on a reduced graphene oxide–Fe <sub>3</sub> O <sub>4</sub> nanocomposite as a magnetically separable and reusable catalyst for the O-arylation of phenols with aryl halides under ligand-free conditions. <i>RSC Advances</i> , 2015, 5, 64769-64780.	3.6	121
5	Biosynthesis of Ag/reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> using Lotus garcinii leaf extract and its application as a recyclable nanocatalyst for the reduction of 4-nitrophenol and organic dyes. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 33-42.	9.4	120
6	Aqueous extract from seeds of Silybum marianum L. as a green material for preparation of the Cu/Fe <sub>3</sub> O <sub>4</sub> nanoparticles: A magnetically recoverable and reusable catalyst for the reduction of nitroarenes. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 93-98.	9.4	114
7	Tamarix gallica leaf extract mediated novel route for green synthesis of CuO nanoparticles and their application for N-arylation of nitrogen-containing heterocycles under ligand-free conditions. <i>RSC Advances</i> , 2015, 5, 40628-40635.	3.6	107
8	Preparation of palladium nanoparticles using Euphorbia thymifolia L. leaf extract and evaluation of catalytic activity in the ligand-free Stille and Miyama cross-coupling reactions in water. <i>New Journal of Chemistry</i> , 2015, 39, 4745-4752.	2.8	101
9	Euphorbia helioscopia Linn as a green source for synthesis of silver nanoparticles and their optical and catalytic properties. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 374-380.	9.4	92
10	Synthesis of Au/Pd bimetallic nanoparticles and their application in the Suzuki coupling reaction. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 746-748.	5.8	85
11	Green synthesis of water-dispersable palladium nanoparticles and their catalytic application in the ligand- and copper-free Sonogashira coupling reaction under aerobic conditions. <i>Journal of Molecular Catalysis A</i> , 2014, 391, 83-87.	4.8	81
12	Benign-by-design nature-inspired nanosystems in biofuels production and catalytic applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 195-252.	16.4	76
13	Facile and surfactant-free synthesis of Pd nanoparticles by the extract of the fruits of Piper longum and their catalytic performance for the Sonogashira coupling reaction in water under ligand- and copper-free conditions. <i>RSC Advances</i> , 2015, 5, 2562-2567.	3.6	69
14	Copper-Catalyzed N-Arylation of Sulfonamides with Boronic Acids in Water under Ligand-Free and Aerobic Conditions. <i>Synlett</i> , 2014, 25, 505-508.	1.8	51
15	Palladium on nano-magnetite: a magnetically reusable catalyst in the ligand- and copper-free Sonogashira and Stille cross-coupling reactions. <i>RSC Advances</i> , 2014, 4, 19731.	3.6	50
16	Facile synthesis of Ag/ZrO <sub>2</sub> nanocomposite as a recyclable catalyst for the treatment of environmental pollutants. <i>Composites Part B: Engineering</i> , 2020, 185, 107783.	12.0	42
17	Novel Binary Solvents-Dispersive Liquid–Liquid Microextraction (BS-DLLME) Method for Determination of Patulin in Apple Juice Using High-Performance Liquid Chromatography. <i>Food Analytical Methods</i> , 2013, 6, 761-766.	2.6	39
18	Biosynthesis, characterization and catalytic activity of the Pd/bentonite nanocomposite for base- and ligand-free oxidative hydroxylation of phenylboronic acid and reduction of chromium (VI) and nitro compounds. <i>Microporous and Mesoporous Materials</i> , 2018, 271, 128-137.	4.4	39

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19	Optimal extraction method of phenolics from the root of <i>Euphorbia condylocarpa</i> . <i>Chemistry of Natural Compounds</i> , 2011, 47, 434-435.	0.8	29
20	In situ green synthesis of Cu nanoparticles supported on natural Natrolite zeolite for the reduction of 4-nitrophenol, congo red and methylene blue. <i>IET Nanobiotechnology</i> , 2017, 11, 538-545.	3.8	29
21	Evaluation of Dispersive Liquid-Liquid Microextraction-HPLC-UV for Determination of Deoxynivalenol (DON) in Wheat Flour. <i>Food Analytical Methods</i> , 2013, 6, 176-180.	2.6	27
22	Rapid and sensitive extraction of aflatoxins by Fe <sub>3</sub> O <sub>4</sub> /zeolite nanocomposite adsorbent in rice samples. <i>Microchemical Journal</i> , 2020, 158, 105206.	4.5	25
23	Polydopamine-coated magnetic <i>Spirulina</i> nanocomposite for efficient magnetic dispersive solid-phase extraction of aflatoxins in pistachio. <i>Food Chemistry</i> , 2022, 377, 131967.	8.2	23
24	Extraction and Determination of Cyproheptadine in Human Urine by DLLME-HPLC Method. <i>Iranian Journal of Pharmaceutical Research</i> , 2013, 12, 311-8.	0.5	18
25	An Eco-friendly N-formylation of Amines Using Nano Cerium Oxide as a Recyclable Catalyst Under Solvent-free and Ultrasound Irradiation Conditions at Room Temperature. <i>Letters in Organic Chemistry</i> , 2014, 11, 49-54.	0.5	16
26	A validated dispersive liquid-liquid microextraction method for extraction of ochratoxin A from raisin samples. <i>Journal of Food Science and Technology</i> , 2015, 52, 2440-2445.	2.8	16
27	Extraction of Sulfathiazole from Urine Samples Using Biosynthesized Magnetic Nanoparticles. <i>Iranian Journal of Pharmaceutical Research</i> , 2017, 16, 462-470.	0.5	15
28	Pre-concentration and Extraction of Aflatoxins from Rice Using Air-Assisted Dispersive Liquid-Liquid Microextraction. <i>Food Analytical Methods</i> , 2018, 11, 2816-2821.	2.6	12
29	One-pot green synthesis of Cu/bone nanocomposite and its catalytic activity in the synthesis of 1-substituted 1,2,3,4-tetrazoles and reduction of hazardous pollutants. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5097.	3.5	12
30	Simultaneous determination of trace amounts of anti-hypertensive drugs in urine using magnetic mixed hemimicelles solid-phase extraction combined with HPLC-UV. <i>Journal of Analytical Chemistry</i> , 2016, 71, 302-309.	0.9	10
31	New Oxazole Ligand for the Copper-catalyzed Cyanation of Aryl Halides with $K_4[Fe(CN)_6]$ . <i>Letters in Organic Chemistry</i> , 2014, 11, 136-140.	0.5	10
32	Nano Cerium Oxide as a Recyclable Catalyst for the Synthesis of N-Monosubstituted Ureas with the Aid of Acetaldoxime as an effective Water Surrogate. <i>Journal of Chemical Research</i> , 2013, 37, 623-625.	1.3	9
33	$K_4[Fe(CN)_6]$ as Non-Toxic Source of Cyanide for the Cyanation of Aryl Halides using Pd-Beta Zeolite as a Heterogeneous Catalyst. <i>Journal of Chemical Research</i> , 2013, 37, 620-622.	1.3	9
34	Synthesis of Thiotetrazoles and Arylamino-tetrazoles Using Rutile TiO <sub>2</sub> nanoparticles as a heterogeneous and reusable catalyst. <i>Journal of Chemical Research</i> , 2014, 38, 502-506.	1.3	9
35	Solid-phase microextraction of methadone in urine samples by electrochemically co-deposited sol-gel/Cu nanocomposite fiber. <i>Biomedical Chromatography</i> , 2017, 31, e3926.	1.7	9
36	Synthesised magnetic nano-zeolite as a mycotoxins binder to reduce the toxicity of aflatoxins, zearalenone, ochratoxin A, and deoxynivalenol in barley. <i>IET Nanobiotechnology</i> , 2020, 14, 623-627.	3.8	9

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37	Green Synthesis of Palladium/Titanium Dioxide Nanoparticles and their Application for the Reduction of Methyl Orange, Congo Red and Rhodamine B in Aqueous Medium. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2018, 20, 787-795.	1.1	9
38	Chemically Deposited Sol-gel Film on Porous TiO <sub>2</sub> Nanotube Arrays as an Efficient and Unbreakable Solid-Phase Microextraction Fiber. <i>Chromatographia</i> , 2018, 81, 639-647.	1.3	7
39	Copper Iodide Nanoparticles-Catalysed Cyanation of Aryl Halides Using Non-Toxic K <sub>4</sub> [Fe(CN) <sub>6</sub> ] in the Presence of 1,2-Bis(5-Tetrazolyl)Benzene as an Efficient Ligand. <i>Journal of Chemical Research</i> , 2014, 38, 291-294.	1.3	6
40	Corn-like stationary phase for solid phase microextraction prepared by electro-assisted deposition of sol-gel/silica nanoparticles composite. <i>Microchemical Journal</i> , 2019, 147, 914-920.	4.5	4
41	Copper Complex-catalysed C-N Coupling Reaction of Aryl Iodides with Nitrogen-containing Heterocycles. <i>Journal of Chemical Research</i> , 2014, 38, 128-129.	1.3	2
42	Polymer surfaces adorning ligand-coordinated palladium for hydrogenation reactions. <i>Molecular Catalysis</i> , 2020, 494, 111129.	2.0	2
43	Perfluorinated Resin-sulfonic Acid (Nafion-H): An Efficient, Environment Friendly and Recyclable Heterogeneous Catalyst for the One-pot Synthesis of 1,8-dioxo-octahydroxanthenes. <i>Letters in Organic Chemistry</i> , 2014, 11, 317-320.	0.5	2
44	Thermal-assisted synthesis of gold nanoparticles using aqueous extract of <i>Helicteres isora</i> L. fruit: Characterization and antioxidant activity. <i>Chemical Physics Letters</i> , 2022, 793, 139483.	2.6	2