

# Hassan Moghanian

## 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.

58  
papers

1,107  
citations

18  
h-index

31  
g-index

70  
ext. papers

1,204  
ext. citations

2.7  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
58	Synthesis and characterization of silica-coated magnetite nanoparticles modified with bis(pyrazolyl) triazine ruthenium(II) complex and the application of these nanoparticles as a highly efficient catalyst for the hydrogen transfer reduction of ketones. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 31, 533-541	3.1	3
57	Magnetic tetraethylenepentamine-functionalized graphene oxide to prepare new methyl rich bisphenol-based soluble and heat-resistant polyamide ether nanocomposites: Synthesis and characterization. <i>Journal of Thermoplastic Composite Materials</i> , <b>2020</b> , 089270572093914	1.9	
56	Bis(p-sulfoanilino)triazine-functionalized silica-coated magnetite nanoparticles as an efficient and magnetically reusable nano-catalyst for Biginelli-type reaction. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 4083-4101	2.8	26
55	Novel Semi Crystalline, Soluble and Magnetic Poly(imide-ether)/Zeolite Nanocomposites: Synthesis, Characterization and Computational Study. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 1072-1089	3.2	6
54	Novel heat-resistant and soluble poly(amide-ether)/zinc oxide nanocomposites: synthesis, characterization and computational study. <i>Polymer Bulletin</i> , <b>2018</b> , 75, 4445-4468	2.4	3
53	Magnetic and Heat Resistant Poly(imide-ether) Nanocomposites Derived from Methyl Rich 9H-xanthene: Synthesis and Characterization. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 822-834	3.5	10
52	Synthesis and Characterization of Novel Heat Resistant, Superparamagnetic Poly(ether-imide) Nanocomposites Containing Xanthene: Representing a Strategy for Improving Thermal Stability of Magnetic Polymer-Based Nanocomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 1072-1089	3.2	6
51	Synthesis and characterization of sodium polyaspartate-functionalized silica-coated magnetite nanoparticles: A heterogeneous, reusable and magnetically separable catalyst for the solvent-free synthesis of 2-amino-4H-chromene derivatives. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4108	3.1	18
50	Synthesis, characterization, anti-diabetic potential and DFT studies of 7-hydroxy-4-methyl-2-oxo-2H-chromene-8-carbaldehyde oxime. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 205, 111-131	4.4	9
49	Copper containing poly(melamine-terephthaldehyde)-magnetite mesoporous nanoparticles: a highly active and recyclable catalyst for the synthesis of benzimidazole derivatives. <i>Journal of Porous Materials</i> , <b>2018</b> , 25, 1123-1134	2.4	15
48	Thermal, combustion and optical properties of new polyimide/ODA-functionalized Fe <sub>3</sub> O <sub>4</sub> nanocomposites containing xanthene and amide groups. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 129, 147-159	4.1	11
47	Facile green one-pot synthesis of novel thiazolo[3,2-a]pyrimidine derivatives using Fe <sub>3</sub> O <sub>4</sub> @l-arginine and their biological investigation as potent antimicrobial agents. <i>Applied Organometallic Chemistry</i> , <b>2017</b> , 31, e3683	3.1	11
46	Microwave-assisted efficient synthesis of azlactones using zeolite NaY as a reusable heterogeneous catalyst. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2017</b> , 47, 845-849	1.2	3
45	A DFT study of solvation effects and NBO analysis on the tautomerism of 1-substituted hydantoin. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, S776-S780	5.9	6
44	Chitosan and imide-functional Fe <sub>3</sub> O <sub>4</sub> nanoparticles to prepare new xanthene based poly(ether-imide) nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 112568-112575	3.7	17
43	L-proline N-sulfonic acid-functionalized magnetic nanoparticles: a novel and magnetically reusable catalyst for one-pot synthesis of 3,4-dihydropyrimidine-2-(1H)-thiones under solvent-free conditions. <i>RSC Advances</i> , <b>2016</b> , 6, 59343-59351	3.7	19
42	Efficient poly(methyl-ether-imide)/LDH nanocomposite derived from a methyl rich bisphenol: From synthesis to properties. <i>Applied Clay Science</i> , <b>2016</b> , 123, 285-291	5.2	23

41	Microwave-Assisted Erlenmeyer Synthesis of Azlactones Catalyzed by MgO/Al <sub>2</sub> O <sub>3</sub> Under Solvent-Free Conditions. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2016</b> , 46, 631-634		4
40	Microwave-assisted efficient synthesis of azlactone derivatives using 2-aminopyridine-functionalized sphere SiO <sub>2</sub> nanoparticles as a reusable heterogeneous catalyst. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 557-563	8.1	14
39	Piperazine catalyzed convenient synthesis of 4H-pyran derivatives from bis(substituted-benzylidene) cycloalkanones and malononitrile under reflux conditions. <i>Journal of Saudi Chemical Society</i> , <b>2015</b> , 19, 399-403	4.3	6
38	Synthesis and characterization of novel aliphatic-aromatic polyamide/Fe <sub>3</sub> O <sub>4</sub> nanocomposites containing pendent 9H-xanthene groups. <i>Designed Monomers and Polymers</i> , <b>2015</b> , 18, 157-169	3.1	9
37	Efficient, one-pot synthesis of xanthene derivatives using boron sulphonic acid as a solid heterogeneous catalyst under solvent-free conditions. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 4387-4394	2.8	15
36	Convenient one-pot synthesis of N-acyl-1,3-diaryl-2-azaphenalene derivatives via solvent-free five-component condensation reactions. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 6523-6532	2.8	2
35	Development of one-step synthesized LDH reinforced multifunctional poly(amide-imide) matrix containing xanthene rings: study on thermal stability and flame retardancy. <i>RSC Advances</i> , <b>2015</b> , 5, 53726-53733	3.7	33
34	Sulfanilic acid-functionalized silica-coated magnetite nanoparticles as an efficient, reusable and magnetically separable catalyst for the solvent-free synthesis of 1-amido- and 1-aminoalkyl-2-naphthols. <i>RSC Advances</i> , <b>2014</b> , 4, 28176-28185	3.7	80
33	Synthesis, characterization and magnetic properties of novel heat resistant polyimide nanocomposites derived from 14H-dibenzo [a,j] xanthene. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	20
32	Three component, one-pot synthesis of amidoalkyl naphthols using polyphosphate ester under solvent-free conditions. <i>Journal of Saudi Chemical Society</i> , <b>2014</b> , 18, 165-168	4.3	11
31	Efficient Synthesis of 2-amino-4H-chromene Derivatives in the Presence of Piperazine-functionalized Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> Magnetic Nanoparticles as a New Heterogeneous Reusable Catalyst Under Solvent-free Conditions. <i>Letters in Organic Chemistry</i> , <b>2014</b> , 11, 432-439	0.6	15
30	Soluble New Optically Active Poly(amide-imide)s Derived From Photosensitive 4,4'-Diaminochalcone and Chiral N,N'-Bis(Pyromellitoyl)-bis-L-Amino Acids: Synthesis and Characterization. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 1721-1729		4
29	Synthesis, spectroscopy (vibrational, NMR and UV-vis) studies, HOMO-LUMO and NBO analysis of 8-formyl-7-hydroxy-4-methylcoumarin by ab initio calculations. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1052, 135-145	3.4	22
28	Ammonium Oxalate as an Efficient Catalyst for One-Pot Synthesis of Tetrahydrobenzo [a]xanthene-11-one Derivatives Under Solvent-Free Conditions. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2013</b> , 43, 752-755		2
27	pTSA-catalyzed condensation of xylenols and aldehydes under solvent-free conditions: One-pot synthesis of 9H-xanthene or bisphenol derivatives. <i>Comptes Rendus Chimie</i> , <b>2013</b> , 16, 1035-1041	2.7	18
26	EFFECT OF RING IN IMINES AND ENAMINES TAUTOMERISM IN GAS PHASE AND SOLUTION: A COMPUTATIONAL STUDY. <i>Journal of the Chilean Chemical Society</i> , <b>2013</b> , 58, 1659-1662	2.5	2
25	Microwave-assisted efficient synthesis of azlactone derivatives using TsCl/DMF under solvent-free conditions. <i>Comptes Rendus Chimie</i> , <b>2012</b> , 15, 346-349	2.7	12
24	Theoretical Investigation of Solvation Effects on the Tautomerism of Maleic Hydrazide. <i>E-Journal of Chemistry</i> , <b>2012</b> , 9, 107-112		2

23	Synthesis of new aza crown macrocycles and lariat ethers. <i>Heterocyclic Communications</i> , <b>2012</b> , 18,	1.7	5
22	Theoretical investigation on tautomerism and NBO analysis of 3-hydroxy-1,2,5-thiadiazole derivatives: solvent and substituent effects. <i>Heterocyclic Communications</i> , <b>2012</b> , 18,	1.7	6
21	One-Pot Synthesis of Amidoalkyl Naphthols Using POCl <sub>3</sub> /Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> as a Heterogeneous Catalyst. <i>Letters in Organic Chemistry</i> , <b>2012</b> , 9, 273-275	0.6	7
20	Ammonium Chloride Catalyzed One-Pot Synthesis of Tetrahydrobenzo[ <i>b</i> ]xanthen-11-one Derivatives Under Solvent-Free Conditions. <i>Synthetic Communications</i> , <b>2011</b> , 41, 2663-2673	1.7	22
19	Microwave-Assisted One-Pot Synthesis of 2-Amino-2-chromenes Using Piperazine as a Catalyst Under Solvent-Free Conditions. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2011</b> , 41, 262-265		24
18	A Simple and Convenient Method for the Synthesis of Perimidine Derivatives Catalyzed by Nano-Silica Sulfuric Acid. <i>International Journal of Green Nanotechnology: Physics and Chemistry</i> , <b>2010</b> , 2, P47-P52		9
17	A Straightforward and Efficient Catalyst-free One-pot Synthesis of N-Acyl-1,3-diaryl-2-azaphenalene Derivatives via Multicomponent Reactions. <i>Chemistry Letters</i> , <b>2010</b> , 39, 180-181	1.7	19
16	Simple and Efficient Procedure for the Synthesis of Novel 1,3-Diphenyl-2-azaphenalene Derivatives via One-Pot Multicomponent Reactions. <i>Synthetic Communications</i> , <b>2010</b> , 40, 1812-1821	1.7	10
15	Synthesis and Characterization of New Optically Active Poly(amide-imide)s Based on N,N'-(Pyromellitoyl)-bis-L-Amino Acids and 1,3,4-Oxadiazole Moieties. <i>Designed Monomers and Polymers</i> , <b>2010</b> , 13, 207-220	3.1	21
14	Synthesis and characterization of new optically active poly(amide-imide)s containing 1,3,4-oxadiazole moiety in the main chain. <i>Polymer Bulletin</i> , <b>2010</b> , 65, 319-332	2.4	14
13	Synthesis and characterization of optically active poly(amide-imide)s containing photosensitive chalcone units in the main chain. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2010</b> , 28, 695-704	3.5	10
12	A Simple and Efficient Procedure for Synthesis of Optically Active 1,2,4-Triazolo-[3,4-b]-1,3,4-Thiadiazole Derivatives Containing L-Amino Acid Moieties. <i>Journal of the Chinese Chemical Society</i> , <b>2009</b> , 56, 1043-1047	1.5	14
11	Sulfamic Acid Catalyzed One-Pot Synthesis of Polyhydroquinolines via the Hantzsch Four Component Condensation Reaction. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2009</b> , 39, 161-164		14
10	A Catalytic and Green Procedure for Synthesis of 12-Aryl- or 12-Alkyl-8,9,10,12-Tetrahydrobenzo[ <i>b</i> ]xanthen-11-one Derivatives under Solvent-Free Conditions. <i>International Journal of Green Nanotechnology: Physics and Chemistry</i> , <b>2009</b> , 1, P57-P63		29
9	Synthesis of a new class of azathia crown macrocycles containing two 1,2,4-triazole or two 1,3,4-thiadiazole rings as subunits. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 836-839	2	35
8	Simple and Efficient Method for Synthesis of Novel 4-Substituted 1-Acylthiosemicarbazides via One-Pot Multicomponent Reactions. <i>Synthetic Communications</i> , <b>2009</b> , 39, 3668-3676	1.7	23
7	Efficient One-Pot Synthesis of Polyhydroquinoline Derivatives Using Silica Sulfuric Acid as a Heterogeneous and Reusable Catalyst Under Conventional Heating and Energy-Saving Microwave Irradiation. <i>Synthetic Communications</i> , <b>2009</b> , 39, 1166-1174	1.7	42
6	A Novel Efficient Four- and Five-Component, One-Pot Synthesis of 4-Semicarbazonoalkyl-2-Naphthols. <i>Synlett</i> , <b>2008</b> , 2008, 821-826	2.2	16

5	Direct synthesis of p-nitrobenzoic acid and benzoic acids from benzyl ketones and acetophenones using the CAN/HOAc system. <i>Journal of the Iranian Chemical Society</i> , <b>2007</b> , 4, 336-339	2	4
4	A Simple and Efficient Procedure for the Synthesis of Amidoalkyl Naphthols by p-TSA in Solution or under Solvent-Free Conditions. <i>Synlett</i> , <b>2006</b> , 2006, 916-920	2.2	149
3	Synthesis of Trans-cinnamic Acids from Aryl Aldehydes and Aryl Aldehyde Bisulfite Adducts with Malonic Acid Using Piperazine. <i>Journal of Chemical Research</i> , <b>2005</b> , 2005, 364-365	0.6	1
2	A Facile, Simple and Convenient Method for the Synthesis of 14-Alkyl or Aryl-14-H-Dibenzo[a,j]xanthenes Catalyzed by pTSA in Solution and Solvent-Free Conditions. <i>Synlett</i> , <b>2005</b> , 2005, 0955-0958	2.2	175
1	Design and synthesis of some new biologically active amidoalkyl naphthols in the presence of sulfonic acid functionalized silica-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Research on Chemical Intermediates</i> , 1	2.8	0