

Mohammad Ali Ghasemzadeh

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81 papers	1,028 citations	18 h-index	28 g-index
95 ext. papers	1,279 ext. citations	2.4 avg, IF	5.32 L-index

#	Paper	IF	Citations
81	Fe ₃ O ₄ nanoparticles: As an efficient, green and magnetically reusable catalyst for the one-pot synthesis of 1,8-dioxo-decahydroacridine derivatives under solvent-free conditions. <i>Comptes Rendus Chimie</i> , 2012 , 15, 969-974	2.7	69
80	Pyrimidine-2-thione derivatives as corrosion inhibitors for mild steel in acidic environments. <i>RSC Advances</i> , 2015 , 5, 11145-11162	3.7	58
79	Fe ₃ O ₄ @SiO ₂ /H ₂ core-shell nanocomposite as an efficient and green catalyst for the multi-component synthesis of highly substituted chromeno[2,3-b]pyridines in aqueous ethanol media. <i>Green Chemistry Letters and Reviews</i> , 2015 , 8, 40-49	4.7	54
78	Zinc oxide nanoparticles: A highly efficient and readily recyclable catalyst for the synthesis of xanthenes. <i>Chinese Chemical Letters</i> , 2012 , 23, 1225-1229	8.1	50
77	Fe ₃ O ₄ nanoparticles: A highly efficient and easily reusable catalyst for the one-pot synthesis of xanthene derivatives under solvent-free conditions. <i>Journal of the Serbian Chemical Society</i> , 2013 , 78, 769-779	0.9	43
76	MIL-53(Fe) Metal-Organic Frameworks (MOFs) as an Efficient and Reusable Catalyst for the One-Pot Four-Component Synthesis of Pyrano[2,3-c]-pyrazoles. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4679	3.1	41
75	Metal-Organic frameworks: advanced tools for multicomponent reactions. <i>Green Chemistry</i> , 2020 , 22, 7265-7300	10	37
74	The preparation and characterization of UiO-66 metal-organic frameworks for the delivery of the drug ciprofloxacin and an evaluation of their antibacterial activities. <i>New Journal of Chemistry</i> , 2019 , 43, 16033-16040	3.6	36
73	Synthesis, identification and application of the novel metal-organic framework FeO@PAA@ZIF-8 for the drug delivery of ciprofloxacin and investigation of antibacterial activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 2024-2030	6.1	34
72	An efficient and green one-pot synthesis of indazolo[1,2-b]-phthalazinetriones via three-component reaction of aldehydes, dimedone, and phthalhydrazide using Fe ₃ O ₄ @SiO ₂ core-shell nanoparticles. <i>Research on Chemical Intermediates</i> , 2015 , 41, 7703-7714	2.8	27
71	Multi-component synthesis of spiro[diindeno[1,2-b:2',1'-e]pyridine-11,3'-indoline]-triones using zinc terephthalate metal-organic frameworks. <i>Green Chemistry Letters and Reviews</i> , 2018 , 11, 47-53	4.7	27
70	Novel Brønsted Acidic Ionic Liquids Confined in UiO-66 Nanocages for the Synthesis of Dihydropyrido[2,3- <i>b</i>]Pyrimidine Derivatives under Solvent-Free Conditions. <i>ACS Omega</i> , 2019 , 4, 10548-10557	3.9	26
69	Synthesis and antimicrobial study of 1,4-dihydropyrano[2,3- <i>c</i>]pyrazole derivatives in the presence of amino-functionalized silica-coated cobalt oxide nanostructures as catalyst. <i>Polyhedron</i> , 2019 , 170, 172-179	2.7	25
68	CuI nanoparticles: a highly active and easily recyclable catalyst for the synthesis of 2-amino-3,5-dicyano-6-sulfanyl pyridines. <i>Journal of Sulfur Chemistry</i> , 2013 , 34, 233-241	2.3	24
67	Ultrasound-assisted synthesis of dihydropyrimidine-2-thiones. <i>Journal of the Serbian Chemical Society</i> , 2011 , 76, 679-684	0.9	22
66	Facile and efficient synthesis of benzo[<i>b</i>][1,5]diazepines by three-component coupling of aromatic diamines, Meldrum's acid, and isocyanides catalyzed by Fe ₃ O ₄ nanoparticles. <i>Research on Chemical Intermediates</i> , 2015 , 41, 8625-8636	2.8	19
65	NiCo ₂ O ₄ @Ni(BDC) Nano-Porous Metal-Organic Framework as a Novel Catalyst for the Synthesis of Spiro[indene[1,2- <i>d</i>]pyrimidine-ones and Investigation of Their Antimicrobial Activities. <i>ChemistrySelect</i> , 2019 , 4, 729-736	1.8	18

64	ZnO Nanoparticles as New and Efficient Catalyst for the One-pot Synthesis of Polyfunctionalized Pyridines. <i>Acta Chimica Slovenica</i> , 2012 , 59, 697-702	1.9	18
63	An efficient multi-component synthesis of 14-aryl-14H-dibenzo[a,i]xanthene derivatives by AgI nanoparticles. <i>Journal of Saudi Chemical Society</i> , 2015 , 19, 642-649	4.3	17
62	Silver iodide nanoparticle as an efficient and reusable catalyst for the one-pot synthesis of benzofurans under aqueous conditions. <i>Journal of Chemical Sciences</i> , 2013 , 125, 1003-1008	1.8	17
61	Fabrication of UiO-66 nanocages confined Brønsted ionic liquids as an efficient catalyst for the synthesis of dihydropyrazolo[4',3':6]pyrano[2,3-d]pyrimidines. <i>Journal of Molecular Structure</i> , 2019 , 1194, 1-10	3.4	16
60	Nano-Fe ₃ O ₄ -encapsulated silica particles bearing sulfonic acid groups as a magnetically separable catalyst for the green and efficient synthesis of 14-aryl-14H-dibenzo[a,i]xanthene-8,13-dione derivatives. <i>Research on Chemical Intermediates</i> , 2016 , 42, 1057-1069	2.8	15
59	AgI nanoparticles as a remarkable catalyst in the synthesis of (amidoalkyl)naphthol and oxazine derivatives: an eco-friendly approach. <i>Monatshefte für Chemie</i> , 2014 , 145, 1191-1199	1.4	15
58	An Efficient, One-Pot Synthesis of Polyfunctionalised Dihydropyridines Catalysed by AgI Nanoparticles. <i>Journal of Chemical Research</i> , 2014 , 38, 313-316	0.6	15
57	Solvent-free synthesis of dihydropyrano[3,2-c]chromene and biscoumarin derivatives using magnesium oxide nanoparticles as a recyclable catalyst. <i>Acta Chimica Slovenica</i> , 2014 , 61, 703-8	1.9	15
56	Highly efficient and green approach for the synthesis of spirooxindole derivatives in the presence of novel Brønsted acidic ionic liquids incorporated in UiO-66 nanocages. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5027	3.1	14
55	Rapid and Efficient One-Pot Synthesis of 3,4-Dihydroquinoxalin-2-Amine Derivatives Catalyzed by Co ₃ O ₄ @SiO ₂ Core-Shell Nanoparticles Under Ultrasound Irradiation. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016 , 19, 592-601	1.3	13
54	Zinc oxide nanoparticle promoted highly efficient one pot three-component synthesis of 2,3-disubstituted benzofurans. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S1774-S1780	5.9	12
53	Synthesis and Characterization of Fe ₃ O ₄ @SiO ₂ NPs as an Effective Catalyst for the Synthesis of Tetrahydrobenzo[a]xanthene-11-ones. <i>Acta Chimica Slovenica</i> , 2015 , 62, 977-85	1.9	12
52	Green synthesis and immobilization of TiO ₂ NPs using ILs-based on imidazole and investigation of its catalytic activity for the efficient synthesis of pyrimido[4,5-d]pyrimidines. <i>Journal of Molecular Structure</i> , 2020 , 1206, 127698	3.4	12
51	Ultrasound-promoted an efficient method for the one-pot synthesis of indeno fused pyrido[2,3-d]pyrimidines catalyzed by H ₃ PW ₁₂ O ₄₀ functionalized chitosan@Co ₃ O ₄ as a novel and green catalyst. <i>Journal of Organometallic Chemistry</i> , 2019 , 880, 75-82	2.3	12
50	Green Fabrication of Cobalt NPs using Aqueous Extract of Antioxidant Rich Zingiber and Their Catalytic Applications for the Synthesis of Pyrano[2,3-c]pyrazoles. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2019 , 22, 18-26	1.3	11
49	An efficient synthesis of some new curcumin based pyrano[2,3-d]pyrimidine-2,4(3H)-dione derivatives using CoFe ₂ O ₄ @OCMC@Cu(BDC) as a novel and recoverable catalyst. <i>Journal of Molecular Structure</i> , 2019 , 1186, 204-211	3.4	11
48	Synthesis and characterization of ZnO nanoparticles: Application to one-pot synthesis of benzo[b][1,5]diazepines. <i>Cogent Chemistry</i> , 2015 , 1, 1095060	2.5	10
47	MIL-53(Fe): Introduction of a new catalyst for the synthesis of Pyrimido[4,5-d]pyrimidine derivatives under solvent-free conditions. <i>Journal of Molecular Structure</i> , 2019 , 1197, 318-325	3.4	10

46	Preparation of 4,6-Diarylindazole Derivatives in Ionic Liquid under Solvent-free Conditions. <i>Organic Preparations and Procedures International</i> , 2010 , 42, 485-489	1.1	10
45	Introduction of a Novel Brønsted Acidic Ionic Liquid Incorporated in UiO-66 Nanocages for the Efficient Synthesis of Pyrimido[4,5-d]Pyrimidines. <i>ChemistrySelect</i> , 2019 , 4, 12920-12927	1.8	10
44	Fe ₃ O ₄ @silica Sulfonic Acid Nanocomposite as a Magnetically Separable Catalyst for the Synthesis of 2-Arylpyrrolo[2,3,4-kl]Acridin-1(2H)-Ones. <i>Journal of Chemical Research</i> , 2015 , 39, 380-386	0.6	9
43	Ultrasound-assisted one-pot multi-component synthesis of 2-pyrrolidinon-3-olates catalyzed by Co ₃ O ₄ @SiO ₂ core-shell nanocomposite. <i>Green Chemistry Letters and Reviews</i> , 2016 , 9, 156-165	4.7	8
42	Synthesis of some 3,5-diarylisoxazoline derivatives in ionic liquids media. <i>Journal of the Serbian Chemical Society</i> , 2012 , 77, 733-739	0.9	8
41	Synthesis and Antibacterial Evaluation of Some New 1,4-Dihydropyridines in the Presence of Fe ₃ O ₄ @Silica Sulfonic Acid Nanocomposite as Catalyst. <i>Acta Chimica Slovenica</i> , 2018 , 65, 199-207	1.9	8
40	Zn (BDC)-(MOF): Introduction of a New Catalyst for the Synthesis Pyrimido[4,5-d]Pyrimidine Derivatives under Ultrasound Irradiation in the Absence of Solvent. <i>Polycyclic Aromatic Compounds</i> , 2019 , 1-10	1.3	8
39	A facile and regioselective synthesis of some new pyrimido[4,5-d][1,2,4]triazolo[1,5-a]pyrimidinediones catalyzed by Zn(BDC)-MOF under ultrasound irradiation. <i>Journal of Molecular Structure</i> , 2019 , 1195, 302-308	3.4	7
38	Preparation of core/shell/shell CoFe ₂ O ₄ /OCMC/Cu (BDC) nanostructure as a magnetically heterogeneous catalyst for the synthesis of substituted xanthenes, quinazolines and acridines under ultrasonic irradiation. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5580	3.1	7
37	A highly effective synthesis of pyrimido[4,5-b]quinoline-tetraones using H ₃ PW ₁₂ O ₄₀ /chitosan/NiCo ₂ O ₄ as a novel magnetic nanocomposite. <i>Polyhedron</i> , 2020 , 182, 114459	2.7	7
36	H ₃ PMo ₁₂ O ₄₀ -immobilized chitosan/Co ₃ O ₄ : A novel and recyclable nanocomposite for the synthesis of pyrimidinedione derivatives. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4748	3.1	6
35	CuI-nanoparticles-catalyzed one-pot synthesis of benzo[b]furans via three-component coupling of aldehydes, amines and alkyne. <i>Journal of Saudi Chemical Society</i> , 2016 , 20, 502-509	4.3	6
34	Green synthesis of spiro[indoline-3,4'-pyrano[2,3-c]pyrazoles] using FeO@l-arginine as a robust and reusable catalyst. <i>BMC Chemistry</i> , 2019 , 13, 119	3.7	6
33	Fe ₃ O ₄ @SiO ₂ -NH ₂ Nanocomposite as a Robust and Effective Catalyst for the One-pot Synthesis of Polysubstituted Dihydropyridines. <i>Acta Chimica Slovenica</i> , 2016 , 63, 627-37	1.9	6
32	Synthesis of some Novel Imidazoles Catalyzed by Co ₃ O ₄ Nanoparticles and Evaluation of their Antibacterial Activities. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2018 , 21, 271-280	1.3	6
31	Preparation and characterization of a novel DABCO-based ionic liquid supported on Fe ₃ O ₄ @TiO ₂ nanoparticles and investigation of its catalytic activity in the synthesis of quinazolinones. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5721	3.1	5
30	A highly efficient synthesis of 2,4-diamino-6-arylpyrimidine-5-carbonitrile derivatives using NiCo ₂ O ₄ @Ni(BDC) metal-organic frameworks as a novel and bifunctional catalyst. <i>Journal of Organometallic Chemistry</i> , 2019 , 900, 120935	2.3	5
29	Preparation of 4,6-Diaryl-3,4-dihydropyrimidine-2(1H)-thiones in an Ionic Liquid. <i>Organic Preparations and Procedures International</i> , 2012 , 44, 527-531	1.1	5

28	Synthesis and Application of ZIF-8 MOF Incorporated in a TiO ₂ @Chitosan Nanocomposite as a Strong Nanocarrier for the Drug Delivery of Acyclovir. <i>ChemistrySelect</i> , 2020 , 5, 14564-14571	1.8	4
27	Magnetite Nanoparticles-Supported APTES as a Powerful and Recoverable Nanocatalyst for the Preparation of 2-Amino-5,10-dihydro- 5,10-dioxo-4H-benzo[g]chromenes and Tetrahydrobenzo[g]quinoline-5,10- diones. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2017 , 20, 64-76	1.3	4
26	Fe ₃ O ₄ @L-arginine as a Reusable Catalyst for the Synthesis of Polysubstituted 2-Pyrrolidinones. <i>Current Organocatalysis</i> , 2019 , 6, 61-68	1.2	3
25	Efficient, One-Pot Synthesis of Polyfunctionalised Octahydroquinazolin-2,5-Diones Catalysed by Fe ₃ O ₄ Nanoparticles. <i>Journal of Chemical Research</i> , 2015 , 39, 56-61	0.6	3
24	Preparation and Catalytic Study on a Novel Amino-functionalized Silica-coated Cobalt Oxide Nanocomposite for the Synthesis of Some Indazoles. <i>Acta Chimica Slovenica</i> , 2017 , 64, 73-82	1.9	3
23	Hexamethylenetetramine-based ionic liquid/MIL-101(Cr) metal-organic framework composite: a novel and versatile tool for the preparation of pyrido[2,3-:5,6-']dipyrimidines.. <i>RSC Advances</i> , 2020 , 11, 364-373	3.7	3
22	CuI nanoparticles as a remarkable catalyst in the synthesis of benzo[b][1,5]diazepines: an eco-friendly approach. <i>Acta Chimica Slovenica</i> , 2015 , 62, 103-10	1.9	2
21	Environmentally Benign One-pot Synthesis of Benzo-Fused Seven-Membered Heterocyclic Compounds Using UiO-66 Metal-Organic Framework as Efficient and Reusable Catalyst. <i>ChemistrySelect</i> , 2020 , 5, 14554-14558	1.8	2
20	Multicomponent Preparation of Quinazolinone Derivatives in the Presence of TiO ₂ Nanoparticles Supported Ionic Liquids. <i>Polycyclic Aromatic Compounds</i> , 2020 , 1-18	1.3	2
19	Synthesis of Pyrano[2, 3-d]Pyrimidine-2,4(3H)-Dione Derivatives Based-on Curcumin Using NiCo ₂ O ₄ @OCMC@Zn(BDC) Nanocomposite as a Novel and Efficient Catalyst. <i>Polycyclic Aromatic Compounds</i> , 2019 , 1-13	1.3	2
18	Synthesis of tetrazolo[1,5-a]pyrimidine-6-carbonitriles using HMTA-BAIL@MIL-101(Cr) as a superior heterogeneous catalyst. <i>Scientific Reports</i> , 2021 , 11, 5109	4.9	2
17	Fe ₃ O ₄ @TiO ₂ @ILs-ZIF-8 Nanocomposite: A Robust Catalyst for the Synthesis of Benzo[4,5]imidazo[1,2-a]pyrimidines. <i>Journal of Molecular Structure</i> , 2021 , 1236, 130298	3.4	2
16	IRMOF-3 Functionalized GO/CuFe ₂ O ₄ : A New and Recyclable Catalyst for the Synthesis of Dihydropyrano[2,3-c]Pyrroles under Ultrasound Irradiations. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132843	3.4	2
15	Co ₃ O ₄ @SiO ₂ Nanocomposite as a Powerful and Reusable Catalyst for the Synthesis of 13-Aryl-indeno[1,2-b]naphtha[1,2-e]pyran-12(13H)-ones 2018 , 42, 1199-1207		1
14	Synthesis and structure elucidation of ZnFe ₂ O ₄ /IRMOF-3/GO for the drug delivery of tetracycline and evaluation of their antibacterial activities. <i>Journal of Organometallic Chemistry</i> , 2022 , 960, 122221	2.3	1
13	An Efficient and One-Pot Synthesis of 2-Aryl-4-Selenoxo-4H-Naphtho[2,3-e][1,3]Oxazine-5,10-Diones. <i>Polycyclic Aromatic Compounds</i> , 2021 , 1-6	1.3	1
12	Novel and Green Preparation of Fe ₃ O ₄ @TiO ₂ -Immobilized-ILs Based on DABCO for Highly Efficient Synthesis of Primido[4,5-d]pyrimidines. <i>ChemistrySelect</i> , 2020 , 5, 9097-9104	1.8	1
11	A Three-Component Process for the Synthesis of Tetrazolo[1,5-a]Pyrimidine-6-Carbonitrile Derivatives Using Amino-Functionalized UiO-66(Zr) Metal Organic Framework (MOF). <i>Polycyclic Aromatic Compounds</i> , 2021 , 1-12	1.3	1

10	Three-component reaction between kojic acid and acyl chlorides with potassium selenocyanate: synthesis of 2-aryl(alkyl)-6-hydroxymethyl-4-selenoxo-4H-pyrano[2,3-e][1,3]oxazin-8-one. <i>Inorganic and Nano-Metal Chemistry</i> , 2021 , 51, 480-484	1.2	1
9	Hexamethylenetetramine-based ionic liquid anchored onto the metal-organic framework MIL-101(Cr) as a superior and reusable heterogeneous catalyst for the preparation of hexahydroquinolines. <i>Research on Chemical Intermediates</i> , 2021 , 47, 2143-2159	2.8	1
8	Synthesis of a novel ternary ZIF-8/GO/MgFeO nanocomposite and its application in drug delivery. <i>Scientific Reports</i> , 2021 , 11, 18734	4.9	1
7	Preparation of NiFeO@MIL-101(Fe)/GO as a novel nanocarrier and investigation of its antimicrobial properties.. <i>RSC Advances</i> , 2022 , 12, 7092-7102	3.7	1
6	ZIF-8-incorporated nanoparticles of MgFe ₂ O ₄ supported on graphene oxide: A ternary hybrid catalyst for the efficient synthesis of pyrazole-based pyrido[2,3-d]pyrimidine-diones. <i>Polyhedron</i> , 2022 , 212, 115588	2.7	0
5	Multicomponent Synthesis of Pyrimidoquinolinetriones and Pyridodipyrimidines in the Presence of Triethylenediamine-Based Ionic Liquid/MIL-101(Cr) Metal-Organic Framework Composite. <i>Polycyclic Aromatic Compounds</i> , 1-20	1.3	0
4	A Novel Preparation of Blankophor R Nanoparticles by Reverse Microemulsion Method. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 1595-1605	1.3	0
3	Preparation and Characterization of FeCo ₂ O ₄ Nanoparticles: A Robust and Reusable Nanocatalyst for the Synthesis of 3,4-Dihydropyrimidin- 2(1H)-thiones and Thiazolopyrimidines. <i>Current Nanoscience</i> , 2019 , 15, 637-646	1.4	0
2	Preparation and characterization of a novel Fe ₃ O ₄ @PAA@MIL-100(Cr) metal-organic framework for the drug delivery of ciprofloxacin and investigation of its antibacterial activities. <i>Inorganic and Nano-Metal Chemistry</i> , 1-7	1.2	0
1	One-pot synthesis of chromenes in the presence of magnetic nanocomposite based on NH ₂ -UiO-66(Zr), graphene oxide and Fe ₃ O ₄ . <i>Journal of Molecular Structure</i> , 2022 , 133022	3.4	0