

Ali Maleki

List of Publications by Year in descending order

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330
papers

14,926
citations

12328

69
h-index

36025

97
g-index

376
all docs

376
docs citations

376
times ranked

7841
citing authors

#	ARTICLE	IF	CITATIONS
1	A historical overview of the activation and porosity of metal-organic frameworks. <i>Chemical Society Reviews</i> , 2020, 49, 7406-7427.	38.1	367
2	Carbon based nanomaterials for tissue engineering of bone: Building new bone on small black scaffolds: A review. <i>Journal of Advanced Research</i> , 2019, 18, 185-201.	9.5	280
3	A green, porous and eco-friendly magnetic geopolymer adsorbent for heavy metals removal from aqueous solutions. <i>Journal of Cleaner Production</i> , 2019, 215, 1233-1245.	9.3	265
4	Fe ₃ O ₄ /SiO ₂ nanoparticles: an efficient and magnetically recoverable nanocatalyst for the one-pot multicomponent synthesis of diazepines. <i>Tetrahedron</i> , 2012, 68, 7827-7833.	1.9	261
5	Potassium phthalimide-N-oxyl: a novel, efficient, and simple organocatalyst for the one-pot three-component synthesis of various 2-amino-4H-chromene derivatives in water. <i>Tetrahedron</i> , 2013, 69, 1074-1085.	1.9	255
6	Green oxidation protocol: Selective conversions of alcohols and alkenes to aldehydes, ketones and epoxides by using a new multiwall carbon nanotube-based hybrid nanocatalyst via ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 460-464.	8.2	255
7	One-pot multicomponent synthesis of diazepine derivatives using terminal alkynes in the presence of silica-supported superparamagnetic iron oxide nanoparticles. <i>Tetrahedron Letters</i> , 2013, 54, 2055-2059.	1.4	224
8	Recent progress of isocyanide-based multicomponent reactions in Iran. <i>Molecular Diversity</i> , 2011, 15, 41-68.	3.9	185
9	One-pot three-component synthesis of pyrido[2,1- <i>b</i> :3,4- <i>b'</i>]imidazo[4,5- <i>c</i>]isoquinolines using Fe ₃ O ₄ @SiO ₂ -OSO ₃ H as an efficient heterogeneous nanocatalyst. <i>RSC Advances</i> , 2014, 4, 64169-64173.	3.6	154
10	Eco-friendly functionalization of magnetic halloysite nanotube with SO ₃ H for synthesis of dihydropyrimidinones. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 46-53.	4.4	154
11	Effects of squeeze casting parameters on density, macrostructure and hardness of LM13 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 428, 135-140.	5.6	147
12	Magnetic cellulose/Ag as a novel eco-friendly nanobiocomposite to catalyze synthesis of chromene-linked nicotinonitriles. <i>Carbohydrate Polymers</i> , 2017, 156, 259-267.	10.2	141
13	A review of syntheses of 1,5-disubstituted tetrazole derivatives. <i>Molecular Diversity</i> , 2015, 19, 189-212.	3.9	139
14	Ionic liquid promoted one-pot synthesis of 3-aminoimidazo[1,2- <i>a</i>]pyridines. <i>Tetrahedron Letters</i> , 2006, 47, 3031-3034.	1.4	136
15	Recent advances in the application of mesoporous silica-based nanomaterials for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110267.	7.3	130
16	Graphene oxide-chitosan bionanocomposite: a highly efficient nanocatalyst for the one-pot three-component synthesis of trisubstituted imidazoles under solvent-free conditions. <i>RSC Advances</i> , 2015, 5, 33177-33184.	3.6	123
17	A novel biocompatible core-shell magnetic nanocomposite based on cross-linked chitosan hydrogels for in vitro hyperthermia of cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 407-414.	7.5	121
18	Cellulose sulfuric acid as a bio-supported and recyclable solid acid catalyst for the one-pot three-component synthesis of α -amino nitriles. <i>Applied Catalysis A: General</i> , 2007, 331, 149-151.	4.3	120

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19	Green cellulose-based nanocomposite catalyst: Design and facile performance in aqueous synthesis of pyranopyrimidines and pyrazolopyranopyrimidines. <i>Carbohydrate Polymers</i> , 2017, 175, 409-416.	10.2	119
20	Click Reaction: Highly Efficient Synthesis of 2,3-Dihydroquinazolin-4(1 <i>H</i>)-ones. <i>Synthetic Communications</i> , 2008, 38, 3751-3759.	2.1	117
21	Metal-based nanoparticles for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1687-1714.	2.7	116
22	Synthesis of tetrazoles via isocyanide-based reactions. <i>RSC Advances</i> , 2015, 5, 60938-60955.	3.6	114
23	Palladium-decorated o-phenylenediamine-functionalized Fe ₃ O ₄ /SiO ₂ magnetic nanoparticles: A promising solid-state catalytic system used for Suzuki–Miyaura coupling reactions. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 136, 109200.	4.0	112
24	Poly(ethylene imine)-modified magnetic halloysite nanotubes: A novel, efficient and recyclable catalyst for the synthesis of dihydropyrano[2,3- <i>c</i>]pyrazole derivatives. <i>Molecular Catalysis</i> , 2018, 460, 87-93.	2.0	111
25	Magnetic guanidinylated chitosan nanobiocomposite: A green catalyst for the synthesis of 1,4-dihydropyridines. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 320-326.	7.5	111
26	Applications of carbon-based conductive nanomaterials in biosensors. <i>Chemical Engineering Journal</i> , 2022, 442, 136183.	12.7	111
27	Fe ₃ O ₄ @cellulose composite nanocatalyst: Preparation, characterization and application in the synthesis of benzodiazepines. <i>Catalysis Communications</i> , 2014, 53, 67-71.	3.3	109
28	Chitosan-supported Fe ₃ O ₄ nanoparticles: a magnetically recyclable heterogeneous nanocatalyst for the syntheses of multifunctional benzimidazoles and benzodiazepines. <i>RSC Advances</i> , 2014, 4, 9416.	3.6	109
29	Facile synthesis of tetrahydrobenzoxanthenones via a one-pot three-component reaction using an eco-friendly and magnetized biopolymer chitosan-based heterogeneous nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2016, 30, 939-942.	3.5	109
30	Preparation and characterization of an eco-friendly ZnFe ₂ O ₄ @alginate nanocomposite catalyst and its application in the synthesis of 2-amino-3-cyano-4 <i>H</i> -pyran derivatives. <i>Polyhedron</i> , 2019, 171, 193-202.	2.2	100
31	Adsorbent materials based on a geopolymer paste for dye removal from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3017-3025.	4.9	100
32	Ultrasonic treatment of CoFe ₂ O ₄ @B ₂ O ₃ -SiO ₂ as a new hybrid magnetic composite nanostructure and catalytic application in the synthesis of dihydroquinazolinones. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 260-266.	8.2	99
33	Magnetic dextrin nanobiomaterial: An organic-inorganic hybrid catalyst for the synthesis of biologically active polyhydroquinoline derivatives by asymmetric Hantzsch reaction. <i>Materials Science and Engineering C</i> , 2020, 109, 110502.	7.3	99
34	Enhanced activity of vancomycin by encapsulation in hybrid magnetic nanoparticles conjugated to a cell-penetrating peptide. <i>Nanoscale</i> , 2020, 12, 3855-3870.	5.6	99
35	Multicomponent synthesis of pyrano[2,3- <i>d</i>]pyrimidine derivatives via a direct one-pot strategy executed by novel designed copperated Fe ₃ O ₄ @polyvinyl alcohol magnetic nanoparticles. <i>Materials Today Chemistry</i> , 2019, 13, 110-120.	3.5	98
36	Metal oxide electron transport materials for perovskite solar cells: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2185-2207.	16.2	98

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37	Design, synthesis, characterization and catalytic performance of a new cellulose-based magnetic nanocomposite in the one-pot three-component synthesis of α -aminonitriles. <i>Applied Organometallic Chemistry</i> , 2016, 30, 382-386.	3.5	97
38	Efficient oxidation and epoxidation using a chromium(VI)-based magnetic nanocomposite. <i>Environmental Chemistry Letters</i> , 2016, 14, 195-199.	16.2	94
39	Multi-Stimuli Nanocomposite Therapeutic: Docetaxel Targeted Delivery and Synergies in Treatment of Human Breast Cancer Tumor. <i>Small</i> , 2020, 16, e2002733.	10.0	92
40	A Novel Isocyanide-Based Three-Component Reaction: Synthesis of Highly Substituted 1,6-Dihydropyrazine-2,3-dicarbonitrile Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 6309-6311.	3.2	91
41	Synergistic catalytic effect between ultrasound waves and pyrimidine-2,4-diamine-functionalized magnetic nanoparticles: Applied for synthesis of 1,4-dihydropyridine pharmaceutical derivatives. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104737.	8.2	91
42	Cellulose matrix embedded copper decorated magnetic bionanocomposite as a green catalyst in the synthesis of dihydropyridines and polyhydroquinolines. <i>Carbohydrate Polymers</i> , 2019, 208, 251-260.	10.2	91
43	Chitosan hydrogel/silk fibroin/Mg(OH) ₂ nanobiocomposite as a novel scaffold with antimicrobial activity and improved mechanical properties. <i>Scientific Reports</i> , 2021, 11, 650.	3.3	90
44	Green in water sonochemical synthesis of tetrazolopyrimidine derivatives by a novel core-shell magnetic nanostructure catalyst. <i>Ultrasonics Sonochemistry</i> , 2018, 43, 262-271.	8.2	89
45	A novel magnetically recyclable silver-loaded cellulose-based bionanocomposite catalyst for green synthesis of tetrazolo[1,5-a]pyrimidines. <i>Research on Chemical Intermediates</i> , 2017, 43, 5485-5494.	2.7	88
46	Mesoporous halloysite nanotubes modified by CuFe ₂ O ₄ spinel ferrite nanoparticles and study of its application as a novel and efficient heterogeneous catalyst in the synthesis of pyrazolopyridine derivatives. <i>Scientific Reports</i> , 2019, 9, 5552.	3.3	88
47	Enhanced reduction of nitrobenzene derivatives: Effective strategy executed by Fe ₃ O ₄ /PVA-10%Ag as a versatile hybrid nanocatalyst. <i>Catalysis Communications</i> , 2020, 134, 105850.	3.3	88
48	Design and development of a novel cellulose/Fe ₃ O ₄ /Ag nanocomposite: a potential green catalyst and antibacterial agent. <i>RSC Advances</i> , 2016, 6, 13657-13665.	3.6	83
49	Synthesis of dihydroquinazolinone and octahydroquinazolinone and benzimidazoloquinazolinone derivatives catalyzed by an efficient magnetically recoverable GO-based nanocomposite. <i>Journal of Porous Materials</i> , 2018, 25, 1789-1796.	2.6	83
50	Recent advances on nanomaterial based electrochemical and optical aptasensors for detection of cancer biomarkers. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 100, 103-115.	11.4	83
51	Alginate hydrogel-polyvinyl alcohol/silk fibroin/magnesium hydroxide nanorods: A novel scaffold with biological and antibacterial activity and improved mechanical properties. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1959-1971.	7.5	83
52	Graphene oxide/alginate/silk fibroin composite as a novel bionanostructure with improved blood compatibility, less toxicity and enhanced mechanical properties. <i>Carbohydrate Polymers</i> , 2020, 248, 116802.	10.2	82
53	Facile Peptide Bond Formation: Effective Interplay between Isothiazolone Rings and Silanol Groups at Silver/Iron Oxide Nanocomposite Surfaces. <i>ACS Omega</i> , 2019, 4, 10629-10639.	3.5	81
54	Dengue virus: a review on advances in detection and trends from conventional methods to novel biosensors. <i>Mikrochimica Acta</i> , 2019, 186, 329.	5.0	81

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55	A numerical study on mechanisms of energy dissipation in a pump as turbine (PAT) using entropy generation theory. <i>Renewable Energy</i> , 2020, 162, 1036-1053.	8.9	81
56	Synthesis of Benzimidazolo[2,3- <i>b</i>]quinazolinone Derivatives via a One-pot Multicomponent Reaction Promoted by a Chitosan-based Composite Magnetic Nanocatalyst. <i>Chemistry Letters</i> , 2015, 44, 259-261.	1.3	80
57	Green multicomponent synthesis of four different classes of six-membered <i>N</i> -containing and <i>O</i> -containing heterocycles catalyzed by an efficient chitosan-based magnetic bionanocomposite. <i>Pure and Applied Chemistry</i> , 2018, 90, 387-394.	1.9	80
58	High CO ₂ Adsorption on Amine-Functionalized Improved Mesoporous Silica Nanotube as an Eco-Friendly Nanocomposite. <i>Energy & Fuels</i> , 2019, 33, 5384-5397.	5.1	80
59	Cellulose Sulfuric Acid Catalyzed One-Pot Three-Component Synthesis of Imidazoazines. <i>Chemical and Pharmaceutical Bulletin</i> , 2007, 55, 957-958.	1.3	79
60	Design, preparation and characterization of urea-functionalized Fe ₃ O ₄ /SiO ₂ magnetic nanocatalyst and application for the one-pot multicomponent synthesis of substituted imidazole derivatives. <i>Catalysis Communications</i> , 2015, 69, 29-33.	3.3	79
61	Fe ₃ O ₄ @SiO ₂ @TiO ₂ -OSO ₃ H: an efficient hierarchical nanocatalyst for the organic quinazolines syntheses. <i>Journal of Porous Materials</i> , 2017, 24, 1481-1496.	2.6	79
62	Facile in situ synthesis and characterization of a novel PANI/Fe ₃ O ₄ /Ag nanocomposite and investigation of catalytic applications. <i>RSC Advances</i> , 2016, 6, 98777-98787.	3.6	77
63	An Efficient Magnetic Heterogeneous Nanocatalyst for the Synthesis of Pyrazinoporphyrazine Macrocycles. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 402-409.	2.6	77
64	Hybrid Bionanocomposite Containing Magnesium Hydroxide Nanoparticles Embedded in a Carboxymethyl Cellulose Hydrogel Plus Silk Fibroin as a Scaffold for Wound Dressing Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33840-33849.	8.0	77
65	A Novel One-Pot Pseudo-Five-Component Synthesis of 4,5,6,7-Tetrahydro-1 <i>H</i> -1,4-diazepine-5-carboxamide Derivatives. <i>Journal of Organic Chemistry</i> , 2008, 73, 3925-3927.	3.2	75
66	Effects of squeeze casting parameters on the microstructure of LM13 alloy. <i>Journal of Materials Processing Technology</i> , 2009, 209, 3790-3797.	6.3	75
67	An efficient synthesis of benzodiazepine derivatives via a one-pot, three-component reaction accelerated by a chitosan-supported superparamagnetic iron oxide nanocomposite. <i>Tetrahedron Letters</i> , 2014, 55, 6931-6934.	1.4	75
68	Ultrasonic-Assisted Preparation, Characterization, and Use of Novel Biocompatible Core/Shell Fe ₃ O ₄ @GA@Isinglass in the Synthesis of 1,4-Dihydropyridine and 4 <i>H</i> -Pyran Derivatives. <i>ACS Omega</i> , 2018, 3, 5012-5020.	3.5	75
69	Synthesis of nickel nanoparticles by a green and convenient method as a magnetic mirror with antibacterial activities. <i>Scientific Reports</i> , 2020, 10, 12627.	3.3	75
70	Surface functionalization of magnetic nanoparticles via palladium-catalyzed Diels-Alder approach. <i>ChemistrySelect</i> , 2018, 3, 13057-13062.	1.5	74
71	Synergistic photocatalytic effect between green LED light and Fe ₃ O ₄ /ZnO-modified natural pumice: A novel cleaner product for degradation of methylene blue. <i>Materials Research Bulletin</i> , 2020, 130, 110946.	5.2	72
72	Novel Isocyanide-Based Three-Component Synthesis of 3,4-Dihydroquinoxalin-2-amine Derivatives. <i>ACS Combinatorial Science</i> , 2008, 10, 323-326.	3.3	71

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73	Preparation and characterization of a silica-based magnetic nanocomposite and its application as a recoverable catalyst for the one-pot multicomponent synthesis of quinazolinone derivatives. <i>Applied Organometallic Chemistry</i> , 2015, 29, 809-814.	3.5	70
74	Functionalized magnetic nanoparticles for the separation and purification of proteins and peptides. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 141, 116291.	11.4	70
75	Design and preparation of Zn ₂ O ₄ : a green and efficient hybrid nanocatalyst for the multicomponent synthesis of 2,4,5-triaryl-1 <i>H</i> -imidazoles. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5008.	3.5	69
76	Development of an aluminum/amorphous nano-SiO ₂ composite using powder metallurgy and hot extrusion processes. <i>Ceramics International</i> , 2017, 43, 14582-14592.	4.8	68
77	Investigation of the biological activity, mechanical properties and wound healing application of a novel scaffold based on lignin-agarose hydrogel and silk fibroin embedded zinc chromite nanoparticles. <i>RSC Advances</i> , 2021, 11, 17914-17923.	3.6	68
78	Ultrasonic assisted synergetic green synthesis of polycyclic imidazo(thiazolo)pyrimidines by using Fe ₃ O ₄ @clay core-shell. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 585-589.	8.2	67
79	Rapid Synthesis of 3-Aminoimidazo[1,2- <i>a</i>]Pyridines and Pyrazines. <i>Synthetic Communications</i> , 2008, 38, 1090-1095.	2.1	66
80	Novel Leaking-Free, Green, Double Core/Shell, Palladium-Loaded Magnetic Heterogeneous Nanocatalyst for Selective Aerobic Oxidation. <i>Catalysis Letters</i> , 2018, 148, 2929-2934.	2.6	66
81	Synthesis of fully substituted pyrazolo[3,4- <i>b</i>]pyridine-5-carboxamide derivatives via a one-pot four-component reaction. <i>Tetrahedron Letters</i> , 2009, 50, 2911-2913.	1.4	65
82	Convenient Cr(VI) Removal from Aqueous Samples: Executed by a Promising Clay-Based Catalytic System, Magnetized by Fe ₃ O ₄ Nanoparticles and Functionalized with Humic Acid. <i>ChemistrySelect</i> , 2020, 5, 2441-2448.	1.5	65
83	Synthesis of Imidazo[1,2- <i>a</i>]pyridines Using Fe ₃ O ₄ @SiO ₂ as an Efficient Nanomagnetic Catalyst via a One-Pot Multicomponent Reaction. <i>Helvetica Chimica Acta</i> , 2014, 97, 587-593.	1.6	63
84	Preparation of a novel magnetic bionanocomposite based on fractionalized chitosan by creatine and its application in the synthesis of polyhydroquinoline, 1,4-dihdropyridine and 1,8-dioxo-decahydroacridine derivatives. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 29-46.	7.5	63
85	A new generation of star polymer: magnetic aromatic polyamides with unique microscopic flower morphology and in vitro hyperthermia of cancer therapy. <i>Journal of Materials Science</i> , 2020, 55, 319-336.	3.7	62
86	Amine-Functionalized Silica-Supported Magnetic Nanoparticles: Preparation, Characterization and Catalytic Performance in the Chromene Synthesis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 714-719.	3.7	61
87	Bifunctional PVA/ZnO/Ag/Chlorophyll Nanocomposite Film: Enhanced Photocatalytic Activity for Degradation of Pollutants and Antimicrobial Property under Visible-Light Irradiation. <i>Langmuir</i> , 2021, 37, 4700-4713.	3.5	61
88	High-performance sono/nano-catalytic system: CTSN/Fe ₃ O ₄ -Cu nanocomposite, a promising heterogeneous catalyst for the synthesis of <i>N</i> -arylimidazoles. <i>RSC Advances</i> , 2019, 9, 40348-40356.	3.6	60
89	Fe ₃ O ₄ /GO@melamine-ZnO nanocomposite: A promising versatile tool for organic catalysis and electrical capacitance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 587, 124335.	4.7	59
90	A brief survey on the advanced brain drug administration by nanoscale carriers: With a particular focus on AChE reactivators. <i>Life Sciences</i> , 2020, 240, 117099.	4.3	57

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91	A green, and eco-friendly bionanocomposite film (poly(vinyl alcohol)/TiO ₂ /chitosan/chlorophyll) by photocatalytic ability, and antibacterial activity under visible-light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 404, 112906.	3.9	56
92	L-Proline functionalized magnetic nanoparticles: A novel magnetically reusable nanocatalyst for one-pot synthesis of 2,4,6-triarylpyridines. <i>Scientific Reports</i> , 2018, 8, 17303.	3.3	54
93	Facile synthesis of tetrazolo[1,5-a]pyrimidine with the aid of an effective gallic acid nanomagnetic catalyst. <i>Polyhedron</i> , 2019, 167, 103-110.	2.2	54
94	Microwave assisted synthesis of metal-free phthalocyanine and metallophthalocyanines. <i>Dyes and Pigments</i> , 2007, 74, 279-282.	3.7	53
95	Green and Efficient Synthesis of Quinoxaline Derivatives via Ceric Ammonium Nitrate Promoted and in Situ Aerobic Oxidation of .ALPHA.-Hydroxy Ketones and .ALPHA.-Keto Oximes in Aqueous Media. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 79-81.	1.3	53
96	Xanthan sulfuric acid: A new and efficient bio-supported solid acid catalyst for the synthesis of α -amino nitriles by condensation of carbonyl compounds, amines, and trimethylsilylcyanide. <i>Catalysis Communications</i> , 2009, 10, 945-949.	3.3	53
97	Efficient one-pot four-component synthesis of 1,4-dihydropyridines promoted by magnetite/chitosan as a magnetically recyclable heterogeneous nanocatalyst. <i>Journal of Nanostructure in Chemistry</i> , 2015, 5, 95-105.	9.1	53
98	Bionanostructure-catalyzed one-pot three-component synthesis of 3,4-dihydropyrimidin-2(1H)-one derivatives under solvent-free conditions. <i>Reactive and Functional Polymers</i> , 2016, 109, 120-124.	4.1	53
99	Agar: a natural and environmentally-friendly support composed of copper oxide nanoparticles for the green synthesis of 1,2,3-triazoles. <i>Green Chemistry Letters and Reviews</i> , 2019, 12, 395-406.	4.7	53
100	A natural and eco-friendly magnetic nanobiocomposite based on activated chitosan for heavy metals adsorption and the in-vitro hyperthermia of cancer therapy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 12244-12259.	5.8	53
101	Facile route to synthesize Fe ₃ O ₄ @acacia-SO ₃ H nanocomposite as a heterogeneous magnetic system for catalytic applications. <i>RSC Advances</i> , 2020, 10, 40055-40067.	3.6	53
102	High-performance sono/nano-catalytic system: Fe ₃ O ₄ @Pd/CaCO ₃ -DTT core/shell nanostructures, a suitable alternative for traditional reducing agents for antibodies. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104824.	8.2	52
103	Novel Multicomponent One-Pot Synthesis of Tetrahydro-1H-1,5-benzodiazepine-2-carboxamide Derivatives. <i>ACS Combinatorial Science</i> , 2008, 10, 595-598.	3.3	50
104	Novel Syntheses of Tetrahydrobenzodiazepines and Dihydropyrazines via Isocyanide-Based Multicomponent Reactions of Diamines. <i>ACS Combinatorial Science</i> , 2010, 12, 186-190.	3.3	50
105	Twin Roll Casting of Steels: An Overview. <i>ISIJ International</i> , 2017, 57, 1-14.	1.4	50
106	Development of Green Geopolymer Using Agricultural and Industrial Waste Materials with High Water Absorbency. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 514.	2.5	50
107	Recent progress in optical and electrochemical biosensors for sensing of Clostridium botulinum neurotoxin. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 184-197.	11.4	50
108	A novel poly(ethyleneoxide)-based magnetic nanocomposite catalyst for highly efficient multicomponent synthesis of pyran derivatives. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 573-582.	4.7	50

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109	Development of biosensors for detection of alpha-fetoprotein: As a major biomarker for hepatocellular carcinoma. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115961.	11.4	50
110	Fe ₃ O ₄ @PEG-SO ₃ H rod-like morphology along with the spherical nanoparticles: novel green nanocomposite design, preparation, characterization and catalytic application. <i>RSC Advances</i> , 2016, 6, 110928-110934.	3.6	49
111	Effective Combination of rGO and CuO Nanomaterials through Poly(<i>p</i> -phenylenediamine) Texture: Utilizing It as an Excellent Supercapacitor. <i>Energy & Fuels</i> , 2021, 35, 10869-10877.	5.1	49
112	Development of Predictive Models for Activated Carbon Synthesis from Different Biomass for CO ₂ Adsorption Using Artificial Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13950-13966.	3.7	49
113	Synthesis and characterization of magnetic dichromate hybrid nanomaterials with triphenylphosphine surface modified iron oxide nanoparticles (Fe ₃ O ₄ @SiO ₂ @PPh ₃ @Cr ₂ O ₇ ²⁻). <i>Solid State Sciences</i> , 2014, 28, 9-13.	3.2	48
114	Preparation and characterization of silica-supported magnetic nanocatalyst and application in the synthesis of 2-amino-4 <i>H</i> -chromene-3-carbonitrile derivatives. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 917-924.	1.6	48
115	Synthesis and characterization of the novel diamine- ϵ -functionalized Fe ₃ O ₄ @SiO ₂ nanocatalyst and its application for one-pot three-component synthesis of chromenes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3916.	3.5	48
116	Design and development of a new functionalized cellulose-based magnetic nanocomposite: preparation, characterization, and catalytic application in the synthesis of diverse pyrano[2,3- <i>c</i>]pyrazole derivatives. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1459-1472.	2.2	47
117	Synthesis and characterization of a novel and green rod-like magnetic ZnS/CuFe ₂ O ₄ /agar organometallic hybrid catalyst for the synthesis of biologically active 2-amino-tetrahydro-4 <i>H</i> -chromene-3-carbonitrile derivatives. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5949.	3.5	47
118	Efficient removal of Pb(II)/Cu(II) from aqueous samples by a guanidine-functionalized SBA-15/Fe ₃ O ₄ . <i>Separation and Purification Technology</i> , 2022, 291, 120956.	7.9	47
119	Synthesis and characterization of ceramic nanoparticles reinforced lead-free solder. <i>Ceramics International</i> , 2017, 43, 5302-5310.	4.8	46
120	Magnetic Aluminosilicate Nanoclay: a Natural and Efficient Nanocatalyst for the Green Synthesis of 4 <i>H</i> -Pyran Derivatives. <i>Silicon</i> , 2019, 11, 2789-2798.	3.3	46
121	Synthesis and characterization of an acidic nanostructure based on magnetic polyvinyl alcohol as an efficient heterogeneous nanocatalyst for the synthesis of β -aminonitriles. <i>Journal of Organometallic Chemistry</i> , 2019, 881, 58-65.	1.8	46
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