

Reza Khalifeh

List of Publications by Year in descending order

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71
papers

1,942
citations

218381

26
h-index

276539

41
g-index

83
all docs

83
docs citations

83
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper Nanoparticles on Charcoal for Multicomponent Catalytic Synthesis of 1,2,3-Triazole Derivatives from Benzyl Halides or Alkyl Halides, Terminal Alkynes and Sodium Azide in Water as a "Green" Solvent. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 207-218.	2.1	272
2	Immobilization of Porphyrinatocopper Nanoparticles onto Activated Multi-Walled Carbon Nanotubes and a Study of its Catalytic Activity as an Efficient Heterogeneous Catalyst for a Click Approach to the Three-Component Synthesis of 1,2,3-Triazoles in Water. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2391-2410.	2.1	128
3	New One-Pot Procedure for the Synthesis of 2-Substituted Benzimidazoles. <i>Synthetic Communications</i> , 2008, 38, 1128-1136.	1.1	66
4	A facile hydrothermal synthesis of novel hollow triple-shell CuNiFe ₂ O ₄ nanospheres with robust catalytic performance in the Suzuki-Miyaura coupling reaction. <i>Journal of Catalysis</i> , 2018, 360, 261-269.	3.1	61
5	Catalytic Friedel-Crafts Acylation and Benzoylation of Aromatic Compounds Using Activated Hematite as a Novel Heterogeneous Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3031-3044.	2.1	60
6	Design and synthesis of Fe ₃ O ₄ @SiO ₂ /aza-crown ether-Cu(II) as a novel and highly efficient magnetic nanocomposite catalyst for the synthesis of 1,2,3-triazoles, 1-substituted 1H-tetrazoles and 5-substituted 1H-tetrazoles in green solvents. <i>Inorganica Chimica Acta</i> , 2019, 489, 8-18.	1.2	55
7	Generation of Cu nanoparticles on novel designed Fe ₃ O ₄ @SiO ₂ /EP.EN.EG as reusable nanocatalyst for the reduction of nitro compounds. <i>RSC Advances</i> , 2016, 6, 19331-19340.	1.7	54
8	Design, synthesis, docking study, α -glucosidase inhibition, and cytotoxic activities of acridine linked to thioacetamides as novel agents in treatment of type 2 diabetes. <i>Bioorganic Chemistry</i> , 2018, 80, 288-295.	2.0	50
9	Highly sensitive non-enzymatic electrochemical glucose sensor based on dumbbell-shaped double-shelled hollow nanoporous CuO/ZnO microstructures. <i>Scientific Reports</i> , 2021, 11, 344.	1.6	45
10	An efficient and selective fluorescent optode membrane based on 7-[(5-chloro-8-hydroxy-7-quinolinyl)methyl]-5,6,7,8,9,10-hexahydro-2H-1,13,4,7,10-benzodioxatriazacyclopentadecine-3,11(4H,12H)-dione as a novel fluoroionophore for determination of cobalt(II) ions. <i>Analytica Chimica Acta</i> , 2008, 630, 57-66.	2.6	43
11	Fe ₃ O ₄ Nanoparticles as an Efficient and Magnetically Recoverable Catalyst for Friedel-Crafts Acylation Reaction in Solvent-Free Conditions. <i>Synthetic Communications</i> , 2013, 43, 1683-1691.	1.1	41
12	One-Pot, Three-Component Synthesis of α -(2-Hydroxyethyl)- α -H-1,2,3-Triazole Derivatives by Copper-Catalyzed 1,3-Dipolar Cycloaddition of 2-Azido Alcohols and Terminal Alkynes under Mild Conditions in Water. <i>Helvetica Chimica Acta</i> , 2010, 93, 435-449.	1.0	39
13	Synthesis of novel β -lactams bearing an anthraquinone moiety, and evaluation of their antimalarial activities. <i>Tetrahedron</i> , 2012, 68, 4740-4744.	1.0	37
14	Simple, Efficient, and Applicable Route for Synthesis of 2-Aryl(Heteroaryl)-Benzimidazoles at Room Temperature Using Copper Nanoparticles on Activated Carbon as a Reusable Heterogeneous Catalyst. <i>Catalysis Letters</i> , 2011, 141, 1845-1850.	1.4	36
15	Design and Preparation of Hollow Mesoporous Silica Spheres Include CuO and Its Catalytic Performance for Synthesis of 1,2,3-Triazole Compounds via the Click Reaction in Water. <i>Catalysis Letters</i> , 2019, 149, 1125-1134.	1.4	36
16	Bransted Acidic Dicationic Ionic Liquid Immobilized on Fe ₃ O ₄ @SiO ₂ Nanoparticles as an Efficient and Magnetically Separable Catalyst for the Synthesis of Bispyrazoles. <i>ChemistrySelect</i> , 2020, 5, 1760-1766.	0.7	36
17	A solvent-free protocol for facile condensation of indoles with carbonyl compounds using silica chloride as a new, highly efficient, and mild catalyst. <i>Canadian Journal of Chemistry</i> , 2007, 85, 416-420.	0.6	32
18	Mannich reaction of secondary amines, aldehydes and alkynes in water using Cu/C nanoparticles as a heterogeneous catalyst. <i>Journal of the Iranian Chemical Society</i> , 2011, 8, S89-S103.	1.2	32

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19	Synthesis of new lariat ethers containing polycyclic phenols and heterocyclic aromatic compound on graphite surface via mannich reaction. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, 275-288.	1.2	30
20	Fabrication of Non-enzymatic Electrochemical Glucose Sensor Based on Nano-copper Oxide Micro Hollow-spheres. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 528-535.	1.4	30
21	Synthesis of Some Novel Thioxanthenone-Fused Azacrown Ethers, and Their Use as New Catalysts in the Efficient, Mild, and Regioselective Conversion of Epoxides to α -Hydroxy Thiocyanates with Ammonium Thiocyanate. <i>Helvetica Chimica Acta</i> , 2007, 90, 1373-1385.	1.0	29
22	1,4-Dihydroxyanthraquinone-copper(II) nanoparticles immobilized on silica gel: a highly efficient, copper scavenger and recyclable heterogeneous nanocatalyst for a click approach to the three-component synthesis of 1,2,3-triazole derivatives in water. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 231-250.	1.2	28
23	α -hydroxyethylammonium formate ionic liquid grafted magnetic nanoparticle as a novel heterogeneous catalyst for the synthesis of substituted imidazoles. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4052.	1.7	28
24	On the properties and structure of 2-hydroxyethylammonium formate ionic liquid. <i>Journal of Molecular Liquids</i> , 2018, 249, 233-244.	2.3	28
25	Design and Synthesis of Novel Cage like CuFe ₂ O ₄ Hollow Nanostructure as an Efficient Catalyst for Synthesis of 4,4'-di-(aryl methylene)bis(3-methyl-1H-pyrazol-5-ol)s. <i>Catalysis Letters</i> , 2019, 149, 2864-2872.	1.4	28
26	Improving the CO ₂ solubility in aqueous mixture of MDEA and different polyamine promoters: The effects of primary and secondary functional groups. <i>Journal of Molecular Liquids</i> , 2020, 297, 111803.	2.3	28
27	Well dispersed gold nanoparticles into the multi amine functionalized SBA-15 for green chemical fixation of carbon dioxide to cyclic carbonates under solvent free conditions. <i>Fuel</i> , 2021, 287, 119567.	3.4	27
28	Fe ₃ O ₄ @SiO ₂ /EP.EN.EG.Cu as a Highly Efficient and Recoverable Catalytic System for Synthesis of 1,4-disubstituted 1,2,3-triazole Derivatives via the Click Reaction. <i>ChemistrySelect</i> , 2019, 4, 7211-7218.	0.7	26
29	Design and synthesis of CuO@SiO ₂ multi-yolk@shell and its application as a new catalyst for CO ₂ fixation reaction under solventless condition. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 458-469.	2.9	26
30	Synthesis and morphology control of nano CuAl ₂ O ₄ hollow spheres and their application as an efficient and sustainable catalyst for CO ₂ fixation. <i>Journal of CO₂ Utilization</i> , 2020, 41, 101233.	3.3	26
31	Reaction on a solid surface – A simple, economical, and efficient Mannich reaction of azacrown ethers over graphite. <i>Canadian Journal of Chemistry</i> , 2008, 86, 426-434.	0.6	25
32	Development of a highly sensitive and selective optical sensor for determination of ultra-trace amount of silver ions. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 598-604.	4.0	25
33	Melamine-formaldehyde resin supported H ⁺ -catalyzed three-component synthesis of 1,8-dioxo-decahydroacridine derivatives in water and under solvent-free conditions. <i>Heterocyclic Communications</i> , 2013, 19, 57-63.	0.6	25
34	Eco-Friendly Synthesis of Novel Lariat Ethers via Mannich Reaction under Solventless Conditions. <i>Heterocycles</i> , 2007, 71, 1601.	0.4	23
35	Highly Selective and Sensitive Membrane Sensors for Copper(II) Ion Based on a New Benzo-Substituted Macrocyclic Diamide 6,7,8,9,10-Hexahydro-2H-1,13,4,7,10-benzodioxatriazacyclopentadecine-3,11(4H,12H)-dione. <i>Electroanalysis</i> , 2007, 19, 587-596.	1.5	22
36	Magnetically recoverable copper nanorods and their catalytic activity in Ullmann cross-coupling reaction. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3647.	1.7	20

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37	Synthesis of Imidazolium-Based Ionic Liquid on Modified Magnetic Nanoparticles for Application in One-Pot Synthesis of Trisubstituted Imidazoles. <i>ChemistrySelect</i> , 2020, 5, 11453-11462.	0.7	20
38	Enhanced CO ₂ absorption and desorption efficiency using DETA functionalized nanomagnetite/water nano-fluid. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103845.	3.3	20
39	Copper nanoparticles supported on charcoal mediated one-pot three-component synthesis of N-substituted-2 <i>H</i> -indazoles via consecutive condensation C=N and N=N bond formation. <i>Canadian Journal of Chemistry</i> , 2019, 97, 303-309.	0.6	19
40	Selective homogeneous liquid-liquid extraction and preconcentration of copper(II) into a micro droplet using a benzo-substituted macrocyclic diamide, and its determination by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2010, 168, 115-121.	2.5	18
41	Synthesis of [Zn(II)BHPDAH] as New Heterogeneous Catalyst without Being Immobilized on Any Support and Applied for Mannich Reaction. <i>Heteroatom Chemistry</i> , 2013, 24, 372-383.	0.4	18
42	Design and synthesis of a new magnetic metal organic framework as a versatile platform for immobilization of acidic catalysts and CO ₂ fixation reaction. <i>New Journal of Chemistry</i> , 2021, 45, 15405-15414.	1.4	17
43	Synthesis of chromeno[3,4- <i>b</i>]quinoline derivatives by heterogeneous [Cu(II)BHPDAH] catalyst without being immobilized on any support under mild conditions using PEG 300 as green solvent. <i>Molecular Diversity</i> , 2013, 17, 721-730.	2.1	16
44	Triple-Shell Hollow CuNiFe ₂ O ₄ Spheres as Heterogeneous Catalyst for Selective Oxidation of Alcohols. <i>ChemistrySelect</i> , 2019, 4, 13089-13093.	0.7	16
45	Specific sensing of mercury(II) ions by an optical sensor based on a recently synthesized ionophore. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 84-90.	4.0	15
46	Nanoparticle-Promoted Synthesis of Trisubstituted Imidazoles in a Green Medium. <i>Organic Preparations and Procedures International</i> , 2020, 52, 91-98.	0.6	14
47	Experimental and theoretical study of 2-hydroxyethylammonium formate ionic liquid + alcohol mixtures. <i>Journal of Molecular Liquids</i> , 2019, 281, 269-279.	2.3	13
48	Imidazolium-based ionic liquid immobilized on functionalized magnetic hydroxalcite (Fe ₃ O ₄ /HT-IM): as an efficient heterogeneous magnetic nanocatalyst for chemical fixation of carbon dioxide under green conditions. <i>New Journal of Chemistry</i> , 2021, 45, 810-820.	1.4	13
49	Melamine-formaldehyde resin supported H ⁺ a mild and inexpensive reagent for synthesis of coumarins under mild conditions. <i>Chinese Chemical Letters</i> , 2011, 22, 1313-1316.	4.8	12
50	Copper-catalysed synthesis of 3,5-disubstituted isoxazoles enabled by pyridinyl benzimidazol (PBI) as a bidentate N-chelating ligand under mild conditions. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 813-821.	1.2	12
51	Urchin-like double-shelled Pd/PdO/ZnO hollow sphere as an efficient catalyst for the Suzuki-Miyaura reaction. <i>Materials Today Chemistry</i> , 2020, 18, 100353.	1.7	12
52	Carbon nanotube composite coated platinum electrode for detection of Ga(III). <i>Journal of Hazardous Materials</i> , 2011, 185, 101-106.	6.5	11
53	One-pot odourless synthesis of thioesters via in situ generation of thiobenzoic acids using benzoic anhydrides and thiourea. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1265-1273.	1.3	11
54	Rapid, Eco-friendly, and One-pot Synthesis of New Lariat Ethers Based on Anthraquinone by Using ZnO Nanoparticles via Mannich Reaction under Solvent-free Condition. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 164-174.	1.4	11

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55	On the volumetric properties of 2-hydroxy ethylammonium formate ionic liquid under high-pressures: Measurement and molecular dynamics. <i>Journal of Molecular Liquids</i> , 2018, 266, 751-761.	2.3	11
56	Efficient and selective CO ₂ and CS ₂ conversion to cyclic carbonates and trithiocarbonates by using multishell hollow CoAl ₂ O ₄ microsphere as a unique catalyst under solventless condition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 115, 229-241.	2.7	9
57	Construction of a new selective coated disk electrode for Ag (I) based on modified polypyrrole-carbon nanotubes composite with new lariat ether. <i>Materials Science and Engineering C</i> , 2014, 34, 326-333.	3.8	8
58	Coated Wire Ion Selective Electrode Based on a New Crown Ether for Determination of Fe^{2+} . <i>IEEE Sensors Journal</i> , 2014, 14, 349-356.	2.4	7
59	Carbon Nanotube-Supported Butyl 1-Sulfonic Acid Groups as a Novel and Environmentally Compatible Catalyst for the Synthesis of 1,8-Dioxo-octahydroxanthenes. <i>Acta Chimica Slovenica</i> , 2016, 63, 602-608.	0.2	7
60	Cu(II)/Triazine-Based Dendrimer as an Efficacious Recoverable Nano-catalyst for CO ₂ Fixation Under Solvent-Free Conditions. <i>Catalysis Letters</i> , 2022, 152, 3679-3690.	1.4	7
61	CuI Immobilized on Tricationic Ionic Liquid Anchored on Functionalized Magnetic Hydrotalcite (Fe ₃ O ₄ /HT-TIL-CuI) as a Novel, Magnetic and Efficient Nanocatalyst for Ullmann-Type C-N Coupling Reaction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2696-2711.	1.9	6
62	A Multicomponent Synthesis of 2-Amino-3-cyanopyridine Derivatives Catalyzed by Heterogeneous and Recyclable Copper Nanoparticles on Charcoal. <i>Journal of the Brazilian Chemical Society</i> , 2015, .	0.6	5
63	Application of a new phosphorus-free palladium heterogeneous nanocatalyst supported on modified MWCNT the highly selective and efficient cleavage of propargyl, allyl, and benzyl phenol ethers under mild conditions. <i>Molecular Diversity</i> , 2015, 19, 481-500.	2.1	4
64	Silica-Supported LiHSO ₄ as a Highly Efficient, Mild, Heterogeneous, and Reusable Catalytic System for the Solvent-Free Synthesis of Bis(indolyl)methanes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 2508-2515.	0.8	3
65	Spectroscopic studies of charge-transfer complexation of iodine with a new benzo-substituted macrocyclic diamide in chloroform, dichloromethane and their 1:1 mixture. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, 610-616.	1.2	2
66	Viscosities of 2-hydroxy ethylammonium formate ionic liquid from 0.1 MPa to 40 MPa: Measurement and modelling. <i>Journal of Chemical Thermodynamics</i> , 2020, 142, 105987.	1.0	2
67	Design, fabrication and investigation synergistic effects of MxOy.CuO (M: Pd, Zn, Mn, La) hollow spheres on alcohol oxidation reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 311-326.	2.7	2
68	Highly Active and Reusable Cu/C Catalyst for Synthesis of 5-Substituted 1H-Tetrazoles Starting from Aromatic Aldehydes. <i>Acta Chimica Slovenica</i> , 2020, 67, 1044-1052.	0.2	2
69	Nafion-coated copper oxide porous hollow structures modified glassy carbon electrode for non-enzymatic detection of H ₂ O ₂ . <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1071-1081.	1.5	1
70	Highly Active and Reusable Cu/C Catalyst for Synthesis of 5-Substituted 1H-Tetrazoles Starting from Aromatic Aldehydes. <i>Acta Chimica Slovenica</i> , 2020, 67, 1044-1052.	0.2	1
71	Tetra-Shelled Cr _{1.3} Fe _{0.7} O ₃ Hollow Sphere as an Efficient Catalyst for the CO ₂ Fixation Reaction Under Mild and Solvent-Free Conditions. <i>Topics in Catalysis</i> , 0, , 1.	1.3	0