Hassan M A Hassan

List of Publications by Year
in descending order

72 papers	3,673 citations	159525 30 h-index	128225 60 g-index
72 all docs	72 docs citations	72 times ranked	4858 citing authors

#	Article	IF	Citations
1	Towards superior permeability and antifouling performance of sulfonated polyethersulfone ultrafiltration membranes modified with sulfopropyl methacrylate functionalized SBA-15. Chinese Journal of Chemical Engineering, 2023, 53, 89-100.	1.7	5
2	Fabrication of sulfonated polyethersulfone ultrafiltration membranes with an excellent antifouling performance by impregnating with polysulfopropyl acrylate coated ZnO nanoparticles. Environmental Technology and Innovation, 2022, 25, 102210.	3.0	15
3	Tailoring an efficient nanocomposite of activated carbon-layered double hydroxide for elimination of water-soluble dyes. Journal of Alloys and Compounds, 2021, 857, 157551.	2.8	43
4	Efficient sucrose-derived mesoporous carbon sphere electrodes with enhanced hydrophilicity for water capacitive deionization at low cell voltages. New Journal of Chemistry, 2021, 45, 1904-1914.	1.4	13
5	A glassy polyvinyl alcohol/silica gel hybrid composite for safranin removal: Adsorption, kinetic and thermodynamic studies. Research on Chemical Intermediates, 2021, 47, 925-944.	1.3	8
6	Copper nanoparticle-decorated RGO electrodes as hole transport layer of perovskite solar cells enhancing efficiency and shelf stability. Journal of Materials Research and Technology, 2021, 14, 631-638.	2.6	8
7	Green fabrication of silver imprinted titania / silica nanospheres as robust visible light-induced photocatalytic wastewater purification. Materials Chemistry and Physics, 2020, 241, 122403.	2.0	23
8	A novel and potential chemical sensor for effective monitoring of Fe(II) ion in corrosion systems of water samples. Microchemical Journal, 2020, 154, 104578.	2.3	44
9	Eco-friendly facile synthesis of glucoseâ€“derived microporous carbon spheres electrodes with enhanced performance for water capacitive deionization. Desalination, 2020, 477, 114278.	4.0	63
10	Synthesis of gold and palladium nanoparticles supported on CuO/rGO using imidazolium ionic liquid for CO oxidation. Research on Chemical Intermediates, 2020, 46, 5499-5516.	1.3	13
11	Highly selective epoxidation of olefins using vanadium (IV) schiff base- amine-tagged graphene oxide composite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 591, 124520.	2.3	38
12	Activated carbon/MOFs composite: AC/NH2-MIL-101(Cr), synthesis and application in high performance adsorption of p-nitrophenol. Journal of Saudi Chemical Society, 2020, 24, 693-703.	2.4	66
13	Biogenic-Mediated Synthesis of the Cs₂Oâ€“MgO/MPC Nanocomposite for Biodiesel Production from Olive Oil. ACS Omega, 2020, 5, 27811-27822.	1.6	17
14	Au-Pd Bimetallic Nanocatalysts Incorporated into Carbon Nanotubes (CNTs) for Selective Oxidation of Alkenes and Alcohol. Processes, 2020, 8, 1380.	1.3	15
15	Green synthesis of spongy Nano-ZnO productive of hydroxyl radicals for unconventional solar-driven photocatalytic remediation of antibiotic enriched wastewater. Journal of Environmental Management, 2020, 271, 110961.	3.8	43
16	Synthesis of ionic liquid intercalated layered double hydroxides of magnesium and aluminum: A greener catalyst of Knoevenagel condensation. Journal of Saudi Chemical Society, 2020, 24, 321-333.	2.4	15
17	Biogenic-Mediated Synthesis of Mesoporous Cu2O/CuO Nano-Architectures of Superior Catalytic Reductive towards Nitroaromatics. Nanomaterials, 2020, 10, 781.	1.9	29
18	Correlation between the Properties of Sol-Gel Synthesized Graphene/Titania Hybrid Nanostructures and Their Catalytic Activity in Selective Aerobic Oxidation of Alcohols. ECS Journal of Solid State Science and Technology, 2020, 9, 123002.	0.9	1

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19	Bimetallic Au:Pd nanoparticle supported on MgO for the oxidation of benzyl alcohol. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 97-108.	0.8	11
20	Clean transesterification process for biodiesel production using heterogeneous polymer-heteropoly acid nanocatalyst. Journal of Cleaner Production, 2019, 238, 117854.	4.6	54
21	A ligand-based conjugate solid sensor for colorimetric ultra-trace gold(III) detection in urban mining waste. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123842.	2.3	44
22	A ligand-anchored optical composite material for efficient vanadium(<scp>ii</scp>) adsorption and detection in wastewater. New Journal of Chemistry, 2019, 43, 10324-10335.	1.4	55
23	Fabrication of graphene oxide incorporated polyethersulfone hybrid ultrafiltration membranes for humic acid removal. Separation and Purification Technology, 2019, 223, 17-23.	3.9	88
24	Ionic liquid green synthesis of CeO2 nanorods and nano-cubes: Investigation of the shape dependent on catalytic performance. Journal of Molecular Liquids, 2019, 279, 649-656.	2.3	21
25	Adsorption of COD in Coking Wastewater on Nitric Acid-Modified Blue Coke Activated Carbon. Journal of Chemistry, 2019, 2019, 1-11.	0.9	1
26	Ultrahigh performance of novel energy-efficient capacitive deionization electrodes based on 3D nanotubular composites. New Journal of Chemistry, 2018, 42, 3560-3567.	1.4	31
27	New Conduct in the Adsorptive Removal of Sulfur Compounds by New Nickelâ€“Molybdenum Adsorbent. Industrial & Engineering Chemistry Research, 2018, 57, 425-433.	1.8	24
28	Facile tailoring of hierarchical mesoporous AlSBA-15 by ionic liquid and their applications in heterogeneous catalysis. Journal of Porous Materials, 2018, 25, 63-73.	1.3	6
29	Visual nickel(II) ions treatment in petroleum samples using a mesoporous composite adsorbent. Chemical Engineering Journal, 2018, 334, 957-967.	6.6	170
30	Effect of sulfur addition and nanocrystallization on the transport properties of lithiumâ€“vanadiumâ€“phosphate glasses. Journal of Materials Science: Materials in Electronics, 2018, 29, 968-977.	1.1	5
31	Removal of copper(II) ions from Aqueous Media by Chemically Modified MCMâ€41 with Nâ€(3â€(trimethoxysilyl)propyl)ethylenediamine and Its 4â€hydroxysalicylidene Schiffâ€base. Environmental Progress and Sustainable Energy, 2018, 37, 746-760.	1.3	25
32	Novel hierarchical composite adsorbent for selective lead(II) ions capturing from wastewater samples. Chemical Engineering Journal, 2018, 332, 377-386.	6.6	201
33	Novel nano-conjugate materials for effective arsenic(V) and phosphate capturing in aqueous media. Chemical Engineering Journal, 2018, 331, 54-63.	6.6	185
34	Novel high throughput mixed matrix membranes embracing poly ionic liquid-grafted biopolymer: Fabrication, characterization, permeation and antifouling performance. Journal of Molecular Liquids, 2018, 266, 484-494.	2.3	25
35	Facile fabrication of ordered mesoporous Bi/Ti-MCM-41 nanocomposites for visible light-driven photocatalytic degradation of methylene blue and CO oxidation. Separation and Purification Technology, 2018, 195, 174-183.	3.9	24
36	Promotion effect of palladium on Co3O4 incorporated within mesoporous MCM-41 silica for CO Oxidation. Applied Surface Science, 2017, 402, 99-107.	3.1	47

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37	Stable and recyclable MIL-101(Cr)â€“Ionic liquid based hybrid nanomaterials as heterogeneous catalyst. Journal of Molecular Liquids, 2017, 236, 385-394.	2.3	53
38	Microwave-assisted Hydrothermal Fabrication of Magnetic Amino-grafted Graphene Oxide Nanocomposite as a Heterogeneous Knoevenagel Catalyst. Catalysis Letters, 2017, 147, 1998-2005.	1.4	12
39	Salen- Zr(IV) complex grafted into amine-tagged MIL-101(Cr) as a robust multifunctional catalyst for biodiesel production and organic transformation reactions. Applied Surface Science, 2017, 412, 394-404.	3.1	62
40	A comparative study ofÂthe incorporation of TiO2 into MCM-41 nanostructure via different approaches and its effect on the photocatalytic degradation of methylene blue and CO oxidation. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 791-807.	0.8	22
41	Effect of sulfur addition on the electrochemical performance of lithiumâ€‘vanadium-phosphate glasses as electrodes for energy storage devices. Journal of Electroanalytical Chemistry, 2017, 804, 36-41.	1.9	15
42	Tuning the redox potential of vitamin K₃ derivatives by oxidative functionalization using a Ag(<scp>i</scp>)/GO catalyst. Chemical Communications, 2017, 53, 8890-8893.	2.2	14
43	Stable dual-wavelength erbium-doped fiber laser using novel fabricated side-polished arc-shaped fiber with deposited ZnO nanoparticles. Chinese Optics Letters, 2017, 15, 011403-11407.	1.3	12
44	Hafnium pentachloride ionic liquid for isomorphic and postsynthesis of HfKIT-6 mesoporous silica: catalytic performances of Pd/SO4 2â^'/HfKIT-6. Journal of Porous Materials, 2016, 23, 1339-1351.	1.3	12
45	Grain size effects on dynamics of Li-ions in Li3V2(PO4)3 glass-ceramic nanocomposites. Ionics, 2016, 22, 2281-2290.	1.2	17
46	Electrochemical performance of novel Li3V2(PO4)3 glass-ceramic nanocomposites as electrodes for energy storage devices. Journal of Solid State Electrochemistry, 2016, 20, 2663-2671.	1.2	16
47	Grain size effects on the transport properties of Li3V2(PO4)3 glassâ€“ceramic nanocomposites for lithium cathode batteries. Journal of Materials Science: Materials in Electronics, 2016, 27, 4074-4083.	1.1	16
48	A new approach to polymer-supported phosphotungstic acid: Application for glycerol acetylation using robust sustainable acidic heterogeneousâ€“homogenous catalyst. Applied Catalysis B: Environmental, 2016, 182, 15-25.	10.8	69
49	A green chemical route for synthesis of graphene supported palladium nanoparticles: A highly active and recyclable catalyst for reduction of nitrobenzene. Applied Catalysis A: General, 2015, 503, 176-185.	2.2	96
50	Acidic mesostructured aluminosilicates assembled from economic acidic template characterized by catalytic cracking reactions. Microporous and Mesoporous Materials, 2015, 204, 15-24.	2.2	13
51	CO oxidation over Au and Pd nanoparticles supported on ceriaâ€“hafnia mixed oxides. Reaction Kinetics, Mechanisms and Catalysis, 2014, 112, 61-75.	0.8	20
52	A palladium(II) 4-hydroxysalicylidene Schiff-base complex anchored on functionalized MCM-41: An efficient heterogeneous catalyst for the epoxidation of olefins. Applied Catalysis A: General, 2014, 488, 148-159.	2.2	44
53	Metal-organic frameworks with high tungstophosphoric acid loading as heterogeneous acid catalysts. Applied Catalysis A: General, 2014, 487, 110-118.	2.2	72
54	Optical metal-organic framework sensor for selective discrimination of some toxic metal ions in water. Analytica Chimica Acta, 2013, 793, 90-98.	2.6	103

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55	In vitro surface biocompatibility of high-content silicon-substituted calcium phosphate ceramics. Open Chemistry, 2013, 11, 140-150.	1.0	4
56	Direct synthesis and the morphological control of highly ordered mesoporous AlSBA-15 using urea-tetrachloroaluminate as a novel aluminum source. Journal of Materials Chemistry, 2012, 22, 17551.	6.7	45
57	Acid catalyzed organic transformations by heteropoly tungstophosphoric acid supported on MCM-41. Applied Catalysis A: General, 2012, 411-412, 77-86.	2.2	106
58	Effects of K2Oâ€“Li2O doping on surface and catalytic properties of Fe2O3/Cr2O3 system. Journal of Alloys and Compounds, 2011, 509, 1314-1321.	2.8	5
59	Effect of CeO2-doping on surface and catalytic properties of CuOâ€“ZnO system. Journal of Non-Crystalline Solids, 2010, 356, 32-38.	1.5	11
60	Photothermal Deoxygenation of Graphite Oxide with Laser Excitation in Solution and Graphene-Aided Increase in Water Temperature. Journal of Physical Chemistry Letters, 2010, 1, 2804-2809.	2.1	267
61	Catalytic oxidation of CO by O2over nanosized CuO-ZnO system prepared under various conditions. Canadian Journal of Chemical Engineering, 2009, 87, 792-800.	0.9	12
62	Physicochemical, surface and catalyic properties of nanocrystalline CuOâ€“NiO system as being influenced by doping with La2O3. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 345, 147-154.	2.3	12
63	Metallic and bimetallic nanocatalysts incorporated into highly porous coordination polymer MIL-101. Journal of Materials Chemistry, 2009, 19, 7625.	6.7	277
64	Microwave synthesis of graphene sheets supporting metal nanocrystals in aqueous and organic media. Journal of Materials Chemistry, 2009, 19, 3832.	6.7	511
65	Nanocatalysis on Supported Oxides for CO Oxidation. Topics in Catalysis, 2008, 47, 22-31.	1.3	97
66	Synthesis and characterization of pure and ZrO2-doped nanocrystalline CuOâ€“NiO system. Applied Surface Science, 2008, 254, 1651-1660.	3.1	8
67	Synthesis and characterization of nanoparticle Co3O4, CuO and NiO catalysts prepared by physical and chemical methods to minimize air pollution. Applied Catalysis A: General, 2007, 331, 8-18.	2.2	70
68	The role of method of preparation of CuOâ€“NiO system on its physicochemical surface and catalytic properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 311, 161-169.	2.3	28
69	Nanocatalysis on Tailored Shape Supports:Â Au and Pd Nanoparticles Supported on MgO Nanocubes and ZnO Nanobelts. Journal of Physical Chemistry B, 2006, 110, 21387-21393.	1.2	64
70	Fabrication of polysulfone/carbon nanospheres ultrafiltration membranes for removing some dyes from aqueous solutions. , 0, 193, 57-63.		2
71	Carbon nanotubes hybridized graphene oxide composite for efficient capture of cationic dye from aqueous solution. , 0, 183, 374-388.		4
72	Decomposition and removal of hydrazine by Mn/ MgAl-layered double hydroxides. , 0, 205, 242-251.		6