

Hassan M A Hassan

List of Publications by Year in descending order

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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	Microwave synthesis of graphene sheets supporting metal nanocrystals in aqueous and organic media. <i>Journal of Materials Chemistry</i> , 2009, 19, 3832.	6.7	511
2	Metallic and bimetallic nanocatalysts incorporated into highly porous coordination polymer MIL-101. <i>Journal of Materials Chemistry</i> , 2009, 19, 7625.	6.7	277
3	Photothermal Deoxygenation of Graphite Oxide with Laser Excitation in Solution and Graphene-Aided Increase in Water Temperature. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2804-2809.	2.1	267
4	Novel hierarchical composite adsorbent for selective lead(II) ions capturing from wastewater samples. <i>Chemical Engineering Journal</i> , 2018, 332, 377-386.	6.6	201
5	Novel nano-conjugate materials for effective arsenic(V) and phosphate capturing in aqueous media. <i>Chemical Engineering Journal</i> , 2018, 331, 54-63.	6.6	185
6	Visual nickel(II) ions treatment in petroleum samples using a mesoporous composite adsorbent. <i>Chemical Engineering Journal</i> , 2018, 334, 957-967.	6.6	170
7	Acid catalyzed organic transformations by heteropoly tungstophosphoric acid supported on MCM-41. <i>Applied Catalysis A: General</i> , 2012, 411-412, 77-86.	2.2	106
8	Optical metal-organic framework sensor for selective discrimination of some toxic metal ions in water. <i>Analytica Chimica Acta</i> , 2013, 793, 90-98.	2.6	103
9	Nanocatalysis on Supported Oxides for CO Oxidation. <i>Topics in Catalysis</i> , 2008, 47, 22-31.	1.3	97
10	A green chemical route for synthesis of graphene supported palladium nanoparticles: A highly active and recyclable catalyst for reduction of nitrobenzene. <i>Applied Catalysis A: General</i> , 2015, 503, 176-185.	2.2	96
11	Fabrication of graphene oxide incorporated polyethersulfone hybrid ultrafiltration membranes for humic acid removal. <i>Separation and Purification Technology</i> , 2019, 223, 17-23.	3.9	88
12	Metal-organic frameworks with high tungstophosphoric acid loading as heterogeneous acid catalysts. <i>Applied Catalysis A: General</i> , 2014, 487, 110-118.	2.2	72
13	Synthesis and characterization of nanoparticle Co ₃ O ₄ , CuO and NiO catalysts prepared by physical and chemical methods to minimize air pollution. <i>Applied Catalysis A: General</i> , 2007, 331, 8-18.	2.2	70
14	A new approach to polymer-supported phosphotungstic acid: Application for glycerol acetylation using robust sustainable acidic heterogeneous "homogenous" catalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 15-25.	10.8	69
15	Activated carbon/MOFs composite: AC/NH ₂ -MIL-101(Cr), synthesis and application in high performance adsorption of p-nitrophenol. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 693-703.	2.4	66
16	Nanocatalysis on Tailored Shape Supports: Au and Pd Nanoparticles Supported on MgO Nanocubes and ZnO Nanobelts. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21387-21393.	1.2	64
17	Eco-friendly facile synthesis of glucose-derived microporous carbon spheres electrodes with enhanced performance for water capacitive deionization. <i>Desalination</i> , 2020, 477, 114278.	4.0	63
18	Salen- Zr(IV) complex grafted into amine-tagged MIL-101(Cr) as a robust multifunctional catalyst for biodiesel production and organic transformation reactions. <i>Applied Surface Science</i> , 2017, 412, 394-404.	3.1	62

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19	A ligand-anchored optical composite material for efficient vanadium(ⁱⁱ) adsorption and detection in wastewater. <i>New Journal of Chemistry</i> , 2019, 43, 10324-10335.	1.4	55
20	Clean transesterification process for biodiesel production using heterogeneous polymer-heteropoly acid nanocatalyst. <i>Journal of Cleaner Production</i> , 2019, 238, 117854.	4.6	54
21	Stable and recyclable MIL-101(Cr)â€“Ionic liquid based hybrid nanomaterials as heterogeneous catalyst. <i>Journal of Molecular Liquids</i> , 2017, 236, 385-394.	2.3	53
22	Promotion effect of palladium on Co ₃ O ₄ incorporated within mesoporous MCM-41 silica for CO Oxidation. <i>Applied Surface Science</i> , 2017, 402, 99-107.	3.1	47
23	Direct synthesis and the morphological control of highly ordered mesoporous AlSBA-15 using urea-tetrachloroaluminate as a novel aluminum source. <i>Journal of Materials Chemistry</i> , 2012, 22, 17551.	6.7	45
24	A palladium(II) 4-hydroxysalicylidene Schiff-base complex anchored on functionalized MCM-41: An efficient heterogeneous catalyst for the epoxidation of olefins. <i>Applied Catalysis A: General</i> , 2014, 488, 148-159.	2.2	44
25	A ligand-based conjugate solid sensor for colorimetric ultra-trace gold(III) detection in urban mining waste. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 581, 123842.	2.3	44
26	A novel and potential chemical sensor for effective monitoring of Fe(II) ion in corrosion systems of water samples. <i>Microchemical Journal</i> , 2020, 154, 104578.	2.3	44
27	Green synthesis of spongy Nano-ZnO productive of hydroxyl radicals for unconventional solar-driven photocatalytic remediation of antibiotic enriched wastewater. <i>Journal of Environmental Management</i> , 2020, 271, 110961.	3.8	43
28	Tailoring an efficient nanocomposite of activated carbon-layered double hydroxide for elimination of water-soluble dyes. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157551.	2.8	43
29	Highly selective epoxidation of olefins using vanadium (IV) schiff base- amine-tagged graphene oxide composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124520.	2.3	38
30	Ultrahigh performance of novel energy-efficient capacitive deionization electrodes based on 3D nanotubular composites. <i>New Journal of Chemistry</i> , 2018, 42, 3560-3567.	1.4	31
31	Biogenic-Mediated Synthesis of Mesoporous Cu ₂ O/CuO Nano-Architectures of Superior Catalytic Reductive towards Nitroaromatics. <i>Nanomaterials</i> , 2020, 10, 781.	1.9	29
32	The role of method of preparation of CuOâ€“NiO system on its physicochemical surface and catalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 311, 161-169.	2.3	28
33	Removal of copper(II) ions from Aqueous Media by Chemically Modified MCMâ€“41 with <i>N</i> -(3-(trimethoxysilyl)propyl)ethylenediamine and Its 4-hydroxysalicylidene Schiffâ€“base. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 746-760.	1.3	25
34	Novel high throughput mixed matrix membranes embracing poly ionic liquid-grafted biopolymer: Fabrication, characterization, permeation and antifouling performance. <i>Journal of Molecular Liquids</i> , 2018, 266, 484-494.	2.3	25
35	New Conduct in the Adsorptive Removal of Sulfur Compounds by New Nickelâ€“Molybdenum Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 425-433.	1.8	24
36	Facile fabrication of ordered mesoporous Bi/Ti-MCM-41 nanocomposites for visible light-driven photocatalytic degradation of methylene blue and CO oxidation. <i>Separation and Purification Technology</i> , 2018, 195, 174-183.	3.9	24

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37	Green fabrication of silver imprinted titania / silica nanospheres as robust visible light-induced photocatalytic wastewater purification. <i>Materials Chemistry and Physics</i> , 2020, 241, 122403.	2.0	23
38	A comparative study of the incorporation of TiO ₂ into MCM-41 nanostructure via different approaches and its effect on the photocatalytic degradation of methylene blue and CO oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 791-807.	0.8	22
39	Ionic liquid green synthesis of CeO ₂ nanorods and nano-cubes: Investigation of the shape dependent on catalytic performance. <i>Journal of Molecular Liquids</i> , 2019, 279, 649-656.	2.3	21
40	CO oxidation over Au and Pd nanoparticles supported on ceria-hafnia mixed oxides. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 112, 61-75.	0.8	20
41	Grain size effects on dynamics of Li-ions in Li ₃ V ₂ (PO ₄) ₃ glass-ceramic nanocomposites. <i>Ionics</i> , 2016, 22, 2281-2290.	1.2	17
42	Biogenic-Mediated Synthesis of the Cs ₂ O-MgO/MPC Nanocomposite for Biodiesel Production from Olive Oil. <i>ACS Omega</i> , 2020, 5, 27811-27822.	1.6	17
43	Electrochemical performance of novel Li ₃ V ₂ (PO ₄) ₃ glass-ceramic nanocomposites as electrodes for energy storage devices. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2663-2671.	1.2	16
44	Grain size effects on the transport properties of Li ₃ V ₂ (PO ₄) ₃ glass-ceramic nanocomposites for lithium cathode batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4074-4083.	1.1	16
45	Effect of sulfur addition on the electrochemical performance of lithium-vanadium-phosphate glasses as electrodes for energy storage devices. <i>Journal of Electroanalytical Chemistry</i> , 2017, 804, 36-41.	1.9	15
46	Au-Pd Bimetallic Nanocatalysts Incorporated into Carbon Nanotubes (CNTs) for Selective Oxidation of Alkenes and Alcohol. <i>Processes</i> , 2020, 8, 1380.	1.3	15
47	Synthesis of ionic liquid intercalated layered double hydroxides of magnesium and aluminum: A greener catalyst of Knoevenagel condensation. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 321-333.	2.4	15
48	Fabrication of sulfonated polyethersulfone ultrafiltration membranes with an excellent antifouling performance by impregnating with polysulfopropyl acrylate coated ZnO nanoparticles. <i>Environmental Technology and Innovation</i> , 2022, 25, 102210.	3.0	15
49	Tuning the redox potential of vitamin K ₃ derivatives by oxidative functionalization using a Ag(<i>scpv</i>)/GO catalyst. <i>Chemical Communications</i> , 2017, 53, 8890-8893.	2.2	14
50	Acidic mesostructured aluminosilicates assembled from economic acidic template characterized by catalytic cracking reactions. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 15-24.	2.2	13
51	Synthesis of gold and palladium nanoparticles supported on CuO/rGO using imidazolium ionic liquid for CO oxidation. <i>Research on Chemical Intermediates</i> , 2020, 46, 5499-5516.	1.3	13
52	Efficient sucrose-derived mesoporous carbon sphere electrodes with enhanced hydrophilicity for water capacitive deionization at low cell voltages. <i>New Journal of Chemistry</i> , 2021, 45, 1904-1914.	1.4	13
53	Catalytic oxidation of CO by O ₂ over nanosized CuO-ZnO system prepared under various conditions. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 792-800.	0.9	12
54	Physicochemical, surface and catalytic properties of nanocrystalline CuO-NiO system as being influenced by doping with La ₂ O ₃ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 345, 147-154.	2.3	12

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55	Hafnium pentachloride ionic liquid for isomorphous and postsynthesis of HfKIT-6 mesoporous silica: catalytic performances of Pd/SO ₄ ²⁻ /HfKIT-6. <i>Journal of Porous Materials</i> , 2016, 23, 1339-1351.	1.3	12
56	Microwave-assisted Hydrothermal Fabrication of Magnetic Amino-grafted Graphene Oxide Nanocomposite as a Heterogeneous Knoevenagel Catalyst. <i>Catalysis Letters</i> , 2017, 147, 1998-2005.	1.4	12
57	Stable dual-wavelength erbium-doped fiber laser using novel fabricated side-polished arc-shaped fiber with deposited ZnO nanoparticles. <i>Chinese Optics Letters</i> , 2017, 15, 011403-11407.	1.3	12
58	Effect of CeO ₂ -doping on surface and catalytic properties of CuO@ZnO system. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 32-38.	1.5	11
59	Bimetallic Au:Pd nanoparticle supported on MgO for the oxidation of benzyl alcohol. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 128, 97-108.	0.8	11
60	Synthesis and characterization of pure and ZrO ₂ -doped nanocrystalline CuO@NiO system. <i>Applied Surface Science</i> , 2008, 254, 1651-1660.	3.1	8
61	A glassy polyvinyl alcohol/silica gel hybrid composite for safranin removal: Adsorption, kinetic and thermodynamic studies. <i>Research on Chemical Intermediates</i> , 2021, 47, 925-944.	1.3	8
62	Copper nanoparticle-decorated RGO electrodes as hole transport layer of perovskite solar cells enhancing efficiency and shelf stability. <i>Journal of Materials Research and Technology</i> , 2021, 14, 631-638.	2.6	8
63	Facile tailoring of hierarchical mesoporous AlSBA-15 by ionic liquid and their applications in heterogeneous catalysis. <i>Journal of Porous Materials</i> , 2018, 25, 63-73.	1.3	6
64	Decomposition and removal of hydrazine by Mn/ MgAl-layered double hydroxides. , 0, 205, 242-251.		6
65	Effects of K ₂ O@Li ₂ O doping on surface and catalytic properties of Fe ₂ O ₃ /Cr ₂ O ₃ system. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1314-1321.	2.8	5
66	Effect of sulfur addition and nanocrystallization on the transport properties of lithium@vanadium@phosphate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 968-977.	1.1	5
67	Towards superior permeability and antifouling performance of sulfonated polyethersulfone ultrafiltration membranes modified with sulfopropyl methacrylate functionalized SBA-15. <i>Chinese Journal of Chemical Engineering</i> , 2023, 53, 89-100.	1.7	5
68	In vitro surface biocompatibility of high-content silicon-substituted calcium phosphate ceramics. <i>Open Chemistry</i> , 2013, 11, 140-150.	1.0	4
69	Carbon nanotubes hybridized graphene oxide composite for efficient capture of cationic dye from aqueous solution. , 0, 183, 374-388.		4
70	Fabrication of polysulfone/carbon nanospheres ultrafiltration membranes for removing some dyes from aqueous solutions. , 0, 193, 57-63.		2
71	Adsorption of COD in Coking Wastewater on Nitric Acid-Modified Blue Coke Activated Carbon. <i>Journal of Chemistry</i> , 2019, 2019, 1-11.	0.9	1
72	Correlation between the Properties of Sol-Gel Synthesized Graphene/Titania Hybrid Nanostructures and Their Catalytic Activity in Selective Aerobic Oxidation of Alcohols. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 123002.	0.9	1