

Hesham A F Hamad

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

1,811
citations

25
h-index

42
g-index

53
ext. papers

2,303
ext. citations

5.2
avg, IF

5.66
L-index

#	Paper	IF	Citations
48	The superior photocatalytic performance and DFT insights of S-scheme CuO@TiO ₂ heterojunction composites for simultaneous degradation of organics.. <i>Scientific Reports</i> , 2022 , 12, 2217	4.9	2
47	On the Behavior of Newly Synthesized Functionalized Imidazolium-Based Ionic Liquids for Highly Efficient Extraction and Separation of Pirimicarb from Orchard Real Wastewater. <i>Adsorption Science and Technology</i> , 2022 , 2022, 1-14	3.6	1
46	Controlled synthesis of graphene oxide/silica hybrid nanocomposites for removal of aromatic pollutants in water.. <i>Scientific Reports</i> , 2022 , 12, 7060	4.9	0
45	Boosting the catalytic performance of manganese (III)-porphyrin complex MnTSP for facile one-pot green synthesis of 1,4-dihydropyridine derivatives under mild conditions. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6238	3.1	3
44	A Promising Platform of Magnetic Nanofluid and Ultrasonic Treatment for Cancer Hyperthermia Therapy: In Vitro and in Vivo Study. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 651-665	3.5	3
43	Unveiling the role of novel biogenic functionalized CuFe hybrid nanocomposites in boosting anticancer, antimicrobial and biosorption activities. <i>Scientific Reports</i> , 2021 , 11, 7790	4.9	11
42	Upgrading of agro-industrial green biomass residues from chocolate industry for adsorption process: diffusion and mechanistic insights. <i>Journal of Food Science and Technology</i> , 2021 , 58, 1081-1092 ^{3,3}	3.3	11
41	Unveiling the exceptional synergism-induced design of Co-Mg-Al layered triple hydroxides (LTHs) for boosting catalytic activity toward the green synthesis of indol-3-yl derivatives under mild conditions. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 227-244	9.3	8
40	Journey from ceramic waste to highly efficient toxic dye adsorption from aqueous solutions via one-pot synthesis of CaSO ₄ rod-shape with silica. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 16051-16063	5.5	9
39	Glucose-Derived N-Doped Graphitic Carbon: Facile One-Pot Graphitic Structure-Controlled Chemical Synthesis with Comprehensive Insight into the Controlling Mechanisms. <i>ChemistrySelect</i> , 2020 , 5, 14685-14702	1.8	1
38	New Activated Carbon from Mine Coal for Adsorption of Dye in Simulated Water or Multiple Heavy Metals in Real Wastewater. <i>Materials</i> , 2020 , 13,	3.5	27
37	Highly active and stable magnetically recyclable CuFe ₂ O ₄ as a heterogenous catalyst for efficient conversion of waste frying oil to biodiesel. <i>Fuel</i> , 2020 , 268, 117297	7.1	55
36	Cellulose/TiO ₂ composites for the removal of water pollutants 2020 , 329-358		4
35	Functionalized Cellulose for the Controlled Synthesis of Novel Carbon-Ti Nanocomposites: Physicochemical and Photocatalytic Properties. <i>Nanomaterials</i> , 2020 , 10,	5.4	17
34	A new platform for facile synthesis of hybrid TiO ₂ nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. <i>Materials Letters</i> , 2020 , 274, 128016	3.3	3
33	Electrospun cellulose acetate nanofiber incorporated with hydroxyapatite for removal of heavy metals. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 1299-1313	7.9	63
32	One-pot green synthesis of magnetic fullerene nanocomposite for adsorption characteristics. <i>Journal of Water Process Engineering</i> , 2020 , 34, 101047	6.7	41

31	Microwave-assisted synthesis of new Cs doped ZrV2O7 nanorods with remarkably improved visible-light-driven photocatalytic performance. <i>Materials Chemistry and Physics</i> , 2020 , 254, 123494	4.4	1
30	Ciprofloxacin removal using magnetic fullerene nanocomposite obtained from sustainable PET bottle wastes: Adsorption process optimization, kinetics, isotherm, regeneration and recycling studies. <i>Chemosphere</i> , 2020 , 239, 124728	8.4	40
29	New insights into the activity of green supported nanoscale zero-valent iron composites for enhanced acid blue-25 dye synergistic decolorization from aqueous medium. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111628	6	40
28	A novel one-pot facile economic approach for the mass synthesis of exfoliated multilayered nitrogen-doped graphene-like nanosheets: new insights into the mechanistic study. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 13611-13622	3.6	9
27	Fabrication and characterization of electrospun Fe3O4/o-MWCNTs/polyamide 6 hybrid nanofibrous membrane composite as an efficient and recoverable adsorbent for removal of Pb (II). <i>Microchemical Journal</i> , 2019 , 149, 103998	4.8	45
26	Synthesis and Characterization of Stabilized Tetragonal Nano Zirconia by Precipitation Method. <i>Journal of Nano Research</i> , 2019 , 56, 142-151	1	4
25	Nano activated carbon from industrial mine coal as adsorbents for removal of dye from simulated textile wastewater: operational parameters and mechanism study. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 4477-4488	5.5	50
24	Highly efficient photocatalytic performance of Cu2O@TiO2 nanocomposite: influence of various inorganic oxidants and inorganic anions. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5405-5414	5.5	26
23	Changes in Fe2+/Fe3+ molar ratio for the formation of spinel CoFe2O4 layered double hydroxide nanoparticles. <i>Micro and Nano Letters</i> , 2019 , 14, 937-940	0.9	
22	Synthesis of TixOy nanocrystals in mild synthesis conditions for the degradation of pollutants under solar light. <i>Applied Catalysis B: Environmental</i> , 2019 , 241, 385-392	21.8	47
21	Modification of optical and electrical properties of nanocrystalline VO2(1-x)H2O/ZrV2O7: influence of Cs, Cr and Ga doping. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1212-1223	5.5	7
20	Physicochemical properties of new cellulose-TiO2 composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5032-5041	6.8	40
19	Electrospun nanofibers hybrid composites membranes for highly efficient antibacterial activity. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 162, 354-364	7	52
18	Process intensification of the transesterification of palm oil to biodiesel in a batch agitated vessel provided with mesh screen extended baffles. <i>Energy</i> , 2018 , 158, 111-120	7.9	17
17	Microwave-Assisted Synthesis of Magnetic Hydroxyapatite for Removal of Heavy Metals from Groundwater. <i>Chemical Engineering and Technology</i> , 2018 , 41, 553-562	2	44
16	Electrocatalytic degradation and minimization of specific energy consumption of synthetic azo dye from wastewater by anodic oxidation process with an emphasis on enhancing economic efficiency and reaction mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 148, 501-512	7	63
15	On the Interactions and Synergism between Phases of Carbon?Phosphorus?Titanium Composites Synthesized from Cellulose for the Removal of the Orange-G Dye. <i>Materials</i> , 2018 , 11,	3.5	20
14	Comparative performance of anodic oxidation and electrocoagulation as clean processes for electrocatalytic degradation of diazo dye Acid Brown 14 in aqueous medium. <i>Journal of Hazardous Materials</i> , 2017 , 335, 178-187	12.8	100

13	New insights into the anodic oxidation and electrocoagulation using a self-gas stirred reactor: A comparative study for synthetic C.I Reactive Violet 2 wastewater. <i>Journal of Cleaner Production</i> , 2017 , 167, 432-446	10.3	39
12	Green synthesis of graphene from recycled PET bottle wastes for use in the adsorption of dyes in aqueous solution. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 145, 57-68	7	110
11	Management of agricultural waste for removal of heavy metals from aqueous solution: adsorption behaviors, adsorption mechanisms, environmental protection, and techno-economic analysis. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1397-1415	5.1	71
10	Effect of superparamagnetic nanoparticles on the physicochemical properties of nano hydroxyapatite for groundwater treatment: adsorption mechanism of Fe(II) and Mn(II). <i>RSC Advances</i> , 2016 , 6, 82244-82259	3.7	56
9	Potential of using green adsorbent of heavy metal removal from aqueous solutions: Adsorption kinetics, isotherm, thermodynamic, mechanism and economic analysis. <i>Ecological Engineering</i> , 2016 , 91, 317-332	3.9	395
8	Photocatalytic parameters and kinetic study for degradation of dichlorophenol-indophenol (DCPIP) dye using highly active mesoporous TiO ₂ nanoparticles. <i>Journal of Environmental Sciences</i> , 2016 , 43, 26-39	6.4	58
7	Influence of calcination temperatures on the formation of anatase TiO ₂ nano rods with a polyol-mediated solvothermal method. <i>RSC Advances</i> , 2016 , 6, 7310-7316	3.7	38
6	Synthesis and characterization of highly stable superparamagnetic CoFe ₂ O ₄ nanoparticles as a catalyst for novel synthesis of thiazolo[4,5-b]quinolin-9-one derivatives in aqueous medium. <i>Journal of Molecular Catalysis A</i> , 2015 , 404-405, 148-155		47
5	Optimizing the preparation parameters of mesoporous nanocrystalline titania and its photocatalytic activity in water: Physical properties and growth mechanisms. <i>Chemical Engineering Research and Design</i> , 2015 , 98, 390-398	5.5	30
4	Influence of calcination temperature on the physical properties of nano-titania prepared by sol-gel/hydrothermal method. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 1896-1906	0.7	4
3	Synthesis and characterization of core-shell magnetic (CoFe ₂ O ₄ @SiO ₂ /TiO ₂) nanocomposites and TiO ₂ nanoparticles for the evaluation of photocatalytic activity under UV and visible irradiation. <i>New Journal of Chemistry</i> , 2015 , 39, 3116-3128	3.6	62
2	Study on synthesis of superparamagnetic spinel cobalt ferrite nanoparticles as layered double hydroxides by co-precipitation method. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2205-2210	0.7	9
1	Study on synthesis of superparamagnetic spinel cobalt ferrite nanoparticles as layered double hydroxides by co-precipitation method. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2031-2036	0.7	24