

Abdelrahman Rabie

List of Publications by Year in descending order

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38
papers

2,044
citations

279487

23
h-index

315357

38
g-index

38
all docs

38
docs citations

38
times ranked

2099
citing authors

#	ARTICLE	IF	CITATIONS
1	Greener routes for recycling of polyethylene terephthalate. <i>Egyptian Journal of Petroleum</i> , 2016, 25, 53-64.	1.2	323
2	Photocatalytic degradation of malachite green dye using chitosan supported ZnO and Ce ⁴⁺ /ZnO nano-flowers under visible light. <i>Journal of Environmental Management</i> , 2020, 258, 110043.	3.8	205
3	Diatomite supported by CaO/MgO nanocomposite as heterogeneous catalyst for biodiesel production from waste cooking oil. <i>Journal of Molecular Liquids</i> , 2019, 279, 224-231.	2.3	177
4	Ni-doped and Ni/Cr co-doped TiO ₂ nanotubes for enhancement of photocatalytic degradation of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 31-41.	5.0	134
5	Cu- and Zn-acetate-containing ionic liquids as catalysts for the glycolysis of poly(ethylene terephthalate). <i>Journal of Molecular Liquids</i> , 2017, 237, 10-17.	2.7	96
6	Preparation and characterization of chitosan-clay nanocomposites for the removal of Cu(II) from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 507-517.	3.6	92
7	Direct synthesis of acetic acid by simultaneous co-activation of methane and CO ₂ over Cu-exchanged ZSM-5 catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 215, 50-59.	10.8	86
8	Production of aromatic hydrocarbons from catalytic pyrolysis of lignin over acid-activated bentonite clay. <i>Fuel Processing Technology</i> , 2017, 163, 1-7.	3.7	83
9	Oxidative desulfurization using graphene and its composites for fuel containing thiophene and its derivatives: An update review. <i>Egyptian Journal of Petroleum</i> , 2018, 27, 715-730.	1.2	80
10	Clean transesterification process for biodiesel production using heterogeneous polymer-heteropoly acid nanocatalyst. <i>Journal of Cleaner Production</i> , 2019, 238, 117854.	4.6	54
11	Instantaneous photocatalytic degradation of malachite green dye under visible light using novel green Co ²⁺ /ZnO/algae composites. <i>Research on Chemical Intermediates</i> , 2020, 46, 1955-1973.	1.3	52
12	Feasibility of modified bentonite as acidic heterogeneous catalyst in low temperature catalytic cracking process of biofuel production from nonedible vegetable oils. <i>Journal of Molecular Liquids</i> , 2018, 254, 260-266.	2.3	51
13	Surface decoration of diatomite by Ni/NiO nanoparticles as hybrid composite of enhanced adsorption properties for malachite green dye and hexavalent chromium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 583-593.	2.3	50
14	Synthesis of advanced MgAl-LDH based geopolymer as a potential catalyst in the conversion of waste sunflower oil into biodiesel: Response surface studies. <i>Fuel</i> , 2020, 282, 118865.	3.4	47
15	Removal of refractory organosulfur compounds using an efficient and recyclable {Mo132} nanoball supported graphene oxide. <i>Journal of Molecular Liquids</i> , 2018, 252, 121-132.	2.3	44
16	Highly active Z-scheme heterojunction photocatalyst of anatase TiO ₂ octahedra covered with C-MoS ₂ nanosheets for efficient degradation of organic pollutants under solar light. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 337-352.	5.0	40
17	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
18	Highly selective BTX from catalytic fast pyrolysis of lignin over supported mesoporous silica. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 278-293.	3.6	37

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19	Cr(VI) adsorption from aqueous solutions onto Mg ²⁺ /Zn ²⁺ /Al LDH and its corresponding oxide. <i>Desalination and Water Treatment</i> , 2016, 57, 20377-20387.	1.0	35
20	Molecular interaction of heterogeneous catalyst in catalytic cracking process of vegetable oils: chromatographic and biofuel performance investigation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 36-45.	10.8	35
21	Zinc aluminate nanoparticles: Preparation, characterization and application as efficient and economic catalyst in transformation of waste cooking oil into biodiesel. <i>Journal of Molecular Liquids</i> , 2020, 302, 112377.	2.3	31
22	Selective nano alumina supported vanadium oxide catalysts for oxidative dehydrogenation of ethylbenzene to styrene using CO ₂ as soft oxidant. <i>Egyptian Journal of Petroleum</i> , 2013, 22, 373-380.	1.2	27
23	Assessment of 3-amino-1H-1,2,4-triazole modified layered double hydroxide in effective remediation of heavy metal ions from aqueous environment. <i>Journal of Molecular Liquids</i> , 2021, 341, 116935.	2.3	25
24	Phenol degradation by advanced Fenton process in combination with ultrasonic irradiation. <i>Egyptian Journal of Petroleum</i> , 2015, 24, 13-18.	1.2	24
25	New Conduct in the Adsorptive Removal of Sulfur Compounds by New Nickel ²⁺ /Molybdenum Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 425-433.	1.8	24
26	Mercury removal from aqueous solution via functionalized mesoporous silica nanoparticles with the amine compound. <i>Egyptian Journal of Petroleum</i> , 2019, 28, 289-296.	1.2	21
27	Copper ions removal from aqueous solutions by novel Ca ²⁺ /Al ³⁺ /Zn layered double hydroxides. <i>Desalination and Water Treatment</i> , 2016, 57, 12632-12643.	1.0	18
28	Highly efficient Imprinted Polymer Nanocomposites for photocatalytic desulfurization of real diesel fuel. <i>Environmental Technology and Innovation</i> , 2021, 21, 101206.	3.0	18
29	Facial synthesis of ferric molybdate (Fe ₂ (MoO ₄) ₃) nanoparticle and its efficiency for biodiesel synthesis via oleic acid esterification. <i>Environmental Technology and Innovation</i> , 2021, 22, 101386.	3.0	14
30	SnS ₂ Nanoparticles and Thin Film for Application as an Adsorbent and Photovoltaic Buffer. <i>Nanomaterials</i> , 2022, 12, 282.	1.9	14
31	Facile Fabrication of ZnMgAl/LDH/Algae Composites as a Potential Adsorbent for Cr(VI) Ions from Water: Fabrication and Equilibrium Studies. <i>ACS Omega</i> , 2020, 5, 31342-31351.	1.6	12
32	Microwave-assisted synthesis of a Z-scheme heterojunction Ag ₂ /AgBr@BiOBr/Bi ₂ O ₃ photocatalyst for efficient organic pollutant degradation under visible light. <i>Environmental Science: Nano</i> , 2022, 9, 1724-1737.	2.2	12
33	Novel preparation of ferromanganese oxide based on hyperbranched polymer for peroxydisulfate activation as a robust catalyst for the degradation of organic pollutants. <i>Environmental Technology and Innovation</i> , 2021, 22, 101435.	3.0	10
34	Facial synthesis of mesoporous {Mo ₁₃₂ }/BiOCl for the efficient oxidative desulfurization of fuel. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109568.	1.8	10
35	Fabrication and optimization of poly(ortho-aminophenol) doped glycerol for efficient removal of cobalt ion from wastewater. <i>Journal of Molecular Liquids</i> , 2022, 345, 117034.	2.3	8
36	Kinetic and statistical perspectives on the interactive effects of recalcitrant polyaromatic and sulfur heterocyclic compounds and in-vitro nanobioremediation of oily marine sediment at microcosm level. <i>Environmental Research</i> , 2022, 209, 112768.	3.7	7

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37	Sonocatalytic degradation of phenol catalyzed by nano-sized zero valent Cu and Ni. Desalination and Water Treatment, 2016, 57, 2104-2112.	1.0	6
38	Fabrication of CoNiMo/ γ -Al ₂ O ₃ from waste aluminum foil to convert waste lube oil to hydrotreated oil. Egyptian Journal of Petroleum, 2021, 30, 21-28.	1.2	4