

Mohammad Reza Toosi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

354
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption characteristics of Ni(II) from aqueous solution and industrial wastewater onto Polyaniline/HMS nanocomposite powder. <i>Applied Surface Science</i> , 2013, 284, 13-22.	6.1	90
2	Catalytic reforming of n-heptane over Pt/Al-HMS catalysts. <i>Catalysis Communications</i> , 2011, 16, 234-239.	3.3	38
3	Removal of 2,4-D, glyphosate, trifluralin, and butachlor herbicides from water by polysulfone membranes mixed by graphene oxide/TiO ₂ nanocomposite: study of filtration and batch adsorption. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 247-258.	3.0	36
4	Application of functionalized nano HMS type mesoporous silica with N-(2-aminoethyl)-3-aminopropyl methyltrimethoxysilane as a suitable adsorbent for removal of Pb (II) from aqueous media and industrial wastewater. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S219-S230.	5.2	32
5	Study of benzene hydrogenation catalyzed by nickel supported on alumina in a fixed bed reactor. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 94, 115-119.	0.6	24
6	Dynamic filtration and static adsorption of lead ions in aqueous solution by use of blended polysulfone membranes with nano size MCM-41 particles coated by polyaniline. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20217-20230.	5.3	21
7	Synthesis of cellulose nanofibers functionalized by dithiooxamide for preconcentration and determination of trace amounts of Cd(II) ions in water samples. <i>Cellulose</i> , 2020, 27, 8885-8898.	4.9	21
8	Methane dehydroaromatization over Mo and W catalysts supported on HZSM-5: the effect of preactivation and use of the CH ₄ /H ₂ cycle. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 101, 221-226.	1.7	14
9	Phosphorene and Na-, Ca-, and Fe-doped phosphorene as candidates for delivery of mercaptopurine and fluorouracil anticancer drugs. <i>Journal of Molecular Modeling</i> , 2020, 26, 269.	1.8	14
10	Combined adsorption process and photocatalytic degradation of some commercial herbicides over N-doped TiO ₂ particles supported on recyclable magnetic hexagonal mesoporous silica. <i>Separation Science and Technology</i> , 2019, 54, 1697-1709.	2.5	13
11	Adsorption of light mercaptans over metal (Co, Cu, Fe, Ni) doped hexagonal boron nitride nanosheets: a first-principles study. <i>Journal of Molecular Modeling</i> , 2019, 25, 138.	1.8	11
12	Conversion of n-heptane to LPG and aromatics over Mo ₂ C and W ₂ C catalysts supported on ZSM-5. <i>Reaction Kinetics and Catalysis Letters</i> , 2009, 98, 133-138.	0.6	9
13	Effect study of hexagonal mesoporous silica/polyaniline nanocomposite on the structural properties of polysulfone membranes and its heavy metal removal efficiency. <i>Separation Science and Technology</i> , 2017, 52, 1775-1786.	2.5	8
14	Application of polyamide thin-film composite layered on polysulfone-GO/TiO ₂ mixed matrix membranes for removal of nitrotoluene derivatives from petrochemical wastewaters. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42481-42494.	5.3	8
15	Enhancing the interaction between CO and single layer black phosphorous via transition metals impurities and external electric field: a theoretical study. <i>Research on Chemical Intermediates</i> , 2019, 45, 5577-5593.	2.7	4
16	Adsorptive removal of toluenediamine from aqueous solution by polysulfone/graphene oxide/TiO ₂ membrane functionalized by allylamine. <i>Chemical Data Collections</i> , 2022, 37, 100800.	2.3	4
17	Highly selective oxidation of cyclohexane to cyclohexanone using VPO catalysts in a high pressure batch reactor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 111, 569-576.	1.7	3
18	Photocatalytic Purification of Wastewater Polluted by Odorant Sulfur Compounds Using Titanium Oxide in a Continuous Photoreactor. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 561-567.	1.1	2

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19	First-principle study of the adsorption of volatile sulfur compounds on black phosphorene nanosheets doped with some transition metals. <i>Monatshefte für Chemie</i> , 2020, 151, 1501-1510.	1.8	2
20	Erratum to Photocatalytic Purification of Wastewater Polluted by Odorant Sulfur Compounds Using Titanium Oxide in a Continuous Photoreactor. <i>International Journal of Chemical Reactor Engineering</i> , 2014, 12, 667-667.	1.1	0
21	A comparative DFT study of the effect of doping atoms of groups III, IV, and V on the electronic properties of phosphorene. <i>Structural Chemistry</i> , 2022, 33, 131-145.	2.0	0
22	Experimental and Computational Analysis of FT-IR, Raman Spectra, and Hydrogen Bonds in L-Ascorbic Acid/Diethyl Sulfoxide System. <i>Russian Journal of Physical Chemistry A</i> , 2022, 96, 868-875.	0.6	0