

Ali Ahmadpour

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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.

111
papers

3,082
citations

25
h-index

53
g-index

114
ext. papers

3,423
ext. citations

4.9
avg, IF

5.49
L-index

#	Paper	IF	Citations
111	The preparation of active carbons from coal by chemical and physical activation. <i>Carbon</i> , 1996 , 34, 471-478	10.4	597
110	The preparation of activated carbon from macadamia nutshell by chemical activation. <i>Carbon</i> , 1997 , 35, 1723-1732	10.4	421
109	A review on catalytic applications of Au/TiO ₂ nanoparticles in the removal of water pollutant. <i>Chemosphere</i> , 2014 , 107, 163-174	8.4	217
108	Removal of mercury from water by carbonaceous sorbents derived from walnut shell. <i>Journal of Hazardous Materials</i> , 2009 , 167, 230-6	12.8	133
107	Rapid removal of cobalt ion from aqueous solutions by almond green hull. <i>Journal of Hazardous Materials</i> , 2009 , 166, 925-30	12.8	129
106	Studies on adsorption of mercury from aqueous solution on activated carbons prepared from walnut shell. <i>Journal of Hazardous Materials</i> , 2010 , 174, 251-6	12.8	123
105	Effect of adsorbents and chemical treatments on the removal of strontium from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2010 , 182, 552-6	12.8	90
104	Single-wall carbon nanotubes synthesized using organic additives to Co/Mo catalysts supported on nanoporous MgO. <i>Nanotechnology</i> , 2007 , 18, 315605	3.4	70
103	Comparison of RSM and ANN for the investigation of linear alkylbenzene synthesis over H14[NaP5W30O110]/SiO ₂ catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1981-1989	6.3	39
102	Comparison of models on the prediction of binary equilibrium data of activated carbons. <i>AICHE Journal</i> , 1998 , 44, 740-752	3.6	38
101	Comparison of Equilibria and Kinetics of High Surface Area Activated Carbon Produced from Different Precursors and by Different Chemical Treatments. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 1329-1334	3.9	38
100	Application of optimal RBF neural networks for optimization and characterization of porous materials. <i>Computers and Chemical Engineering</i> , 2005 , 29, 2134-2143	4	38
99	Biodegradable starch/poly (vinyl alcohol) film reinforced with titanium dioxide nanoparticles. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013 , 20, 1001-1011	3.1	37
98	CO ₂ separation using PDMS/ZSM-5 zeolite composite membrane. <i>Separation and Purification Technology</i> , 2011 , 79, 293-302	8.3	35
97	Synthesis of Fe ₃ O ₄ /Bi ₂ WO ₆ nanohybrid for the photocatalytic degradation of pharmaceutical ibuprofen under solar light. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 51, 244-254	6.3	34
96	Alkylation of Benzene with 1-Decene Using Silica Supported Preyssler Heteropoly Acid: Statistical Design with Response Surface Methodology. <i>Chinese Journal of Catalysis</i> , 2012 , 33, 494-501	11.3	33
95	Novel Au NPs/Preyssler acid/TiO ₂ nanocomposite for the photocatalytic removal of azo dye. <i>Separation and Purification Technology</i> , 2014 , 133, 415-420	8.3	31

94	Performance of MWCNTs and a low-cost adsorbent for Chromium(VI) ion removal. <i>Journal of Nanostructure in Chemistry</i> , 2014 , 4, 171-178	7.6	31
93	Photocatalytic degradation of nitrobenzene by gold nanoparticles decorated polyoxometalate immobilized TiO ₂ nanotubes. <i>Separation and Purification Technology</i> , 2016 , 171, 62-68	8.3	30
92	A polyoxometalate-assisted approach for synthesis of Pd nanoparticles on graphene nanosheets: synergistic behaviour for enhanced electrocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 24319-24326	3.7	28
91	Recent Advances in Application of Polyoxometalates for the Synthesis of Nanoparticles. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012 , 42, 209-230		28
90	Characterization of modified activated carbons: Equilibria and dynamics studies. <i>Carbon</i> , 1995 , 33, 1393-1398		28
89	PVP assisted synthesis of high efficient BiOI/Graphene oxide nanohybrid and its photocatalytic performance in degradation of organic dye pollutants. <i>Solar Energy</i> , 2018 , 176, 483-495	6.8	27
88	Biodegradable blend membranes of poly (butylene succinate)/cellulose acetate/dextran: Preparation, characterization and performance. <i>Carbohydrate Polymers</i> , 2017 , 173, 497-507	10.3	26
87	Deep oxidative desulfurization of dibenzothiophene with {Mo132} nanoballs supported on activated carbon as an efficient catalyst at room temperature. <i>New Journal of Chemistry</i> , 2018 , 42, 12188-12197	3.6	26
86	Enhancing the photocatalytic activity of TiO ₂ nanocrystalline thin film by doping with SiO ₂ . <i>Chemical Engineering Journal</i> , 2011 , 174, 709-713	14.7	25
85	Synthesis and characterization of Cu doped cobalt oxide nanocrystals as methane gas sensors. <i>Physica Scripta</i> , 2011 , 84, 015801	2.6	25
84	Facile synthesis of mesoporous carbon aerogel for the removal of ibuprofen from aqueous solution by central composite experimental design (CCD). <i>Journal of Molecular Liquids</i> , 2019 , 281, 261-268	6	25
83	Separation of polyvinylchloride (PVC), polystyrene (PS) and polyethylene terephthalate (PET) granules using various chemical agents by flotation technique. <i>Separation and Purification Technology</i> , 2018 , 194, 368-376	8.3	24
82	Low-cost preparation of silica aerogel for optimized adsorptive removal of naphthalene from aqueous solution with central composite design (CCD). <i>Journal of Non-Crystalline Solids</i> , 2016 , 447, 307-314	3.9	24
81	Hybrid molecular simulation of methane storage inside pillared graphene. <i>Journal of Chemical Physics</i> , 2015 , 142, 234704	3.9	22
80	What is the effect of carbon nanotube shape on desalination process? A simulation approach. <i>Desalination</i> , 2017 , 407, 103-115	10.3	21
79	Rate redox-controlled green photosynthesis of gold nanoparticles using H ₃ + x PMo12 V x O ₄₀ . <i>Gold Bulletin</i> , 2012 , 45, 145-151	1.6	21
78	Photocatalytic Synthesis of Gold Nanoparticles Using Preyssler Acid and Their Photocatalytic Activity. <i>Chinese Journal of Catalysis</i> , 2011 , 32, 978-982	11.3	20
77	Preparation of magnetic photocatalyst nanohybrid decorated by polyoxometalate for the degradation of a pharmaceutical pollutant under solar light. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8849-60	5.1	19

76	Effect of stirring on behaviour of double oxide film defects in A356 aluminium melt. <i>International Journal of Cast Metals Research</i> , 2014 , 27, 221-229	1	18
75	Atomistic simulation of proton transfer ability of Isopoly acid (IPA)/Heteropoly acid (HPA) doped Nafion [®] 117 for high-temperature fuel cell applications. <i>Composites Part B: Engineering</i> , 2019 , 161, 402-410	10.3	18
74	Does electric or magnetic field affect reverse osmosis desalination?. <i>Desalination</i> , 2018 , 432, 55-63	10.3	17
73	Synthesis and characterization of modified UZM-5 as adsorbent for nitrate removal from aqueous solution. <i>Separation and Purification Technology</i> , 2013 , 113, 24-32	8.3	17
72	A comparative theoretical study of methane adsorption on the nitrogen, boron and lithium doped graphene sheets including density functional dispersion correction. <i>Computational and Theoretical Chemistry</i> , 2016 , 1084, 43-50	2	16
71	Mechanistic insights into the activation process in electrocatalytic ethanol oxidation by phosphomolybdic acid-stabilised palladium(0) nanoparticles (PdNPs@PMo12). <i>RSC Advances</i> , 2016 , 6, 5359-5366	3.7	15
70	The novel, one step and facile synthesis of ZnO nanoparticles using heteropolyoxometalates and their photoluminescence behavior. <i>Advanced Powder Technology</i> , 2013 , 24, 549-553	4.6	15
69	Improving methane storage on wet activated carbons at various amounts of water. <i>Journal of Fuel Chemistry and Technology</i> , 2012 , 40, 385-389	1.8	15
68	Pore size distribution analysis of activated carbons prepared from coconut shell using methane adsorption data. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 886-891	3.9	15
67	Effects of Gasifying Agents on the Characterization of Nut Shell-derived Activated Carbon. <i>Adsorption Science and Technology</i> , 1995 , 12, 247-258	3.6	14
66	Preparation and characterization of anion exchange resin decorated with magnetite nanoparticles for removal of p-toluic acid from aqueous solution. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 375, 177-183	2.8	13
65	Solar energy harvesting by magnetic-semiconductor nanoheterostructure in water treatment technology. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 8268-8285	5.1	12
64	Facile Synthesis of BiOI Nanoparticles at Room Temperature and Evaluation of their Photoactivity Under Sunlight Irradiation. <i>Photochemistry and Photobiology</i> , 2018 , 94, 4-16	3.6	12
63	Catalytic Performance of Nano-SiO ₂ -Supported Preyssler Heteropolyacid in Esterification of Salicylic Acid with Aliphatic and Benzylic Alcohols. <i>Chinese Journal of Catalysis</i> , 2011 , 32, 782-788	11.3	12
62	A Green and Simple Route for the Controlled-Size Synthesis of Gold Nanoparticles Using Preyssler Heteropolyacid. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012 , 42, 1309-1314		11
61	OPTIMIZATION OF THE EXPERIMENTAL CONDITIONS IN SYNTHESIS OF Au NPs USING PREYSSLER HETEROPOLYACID BASED ON THE TAGUCHI ROBUST DESIGN. <i>Nano</i> , 2012 , 07, 1250002	1.1	10
60	The Study on Titanium Dioxide-Silica Binary Mixture Coated SrAlO: Eu, Dy Phosphor as a Photoluminescence Pigment in a Waterborne Paint. <i>Journal of Fluorescence</i> , 2019 , 29, 461-471	2.4	9
59	Synthesis and application of diethanolamine-functionalized polystyrene as a new sorbent for the removal of p-toluenesulfonic acid from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 281-288	6.3	9

58	CO ₂ gas adsorption into graphene oxide framework: Effect of electric and magnetic field. <i>Applied Surface Science</i> , 2018 , 456, 318-327	6.7	9
57	Controllable one-step synthesis of ZnO nanostructures using molybdophosphoric acid. <i>Chemical Papers</i> , 2014 , 68,	1.9	9
56	The Application of Silica-Supported Preyssler HPA as a Heterogeneous and Green Catalyst for the Alkylation of Benzene. <i>Petroleum Science and Technology</i> , 2014 , 32, 1022-1027	1.4	9
55	Improvement of methane storage in nitrogen, boron and lithium doped pillared graphene: A hybrid molecular simulation. <i>Journal of Natural Gas Science and Engineering</i> , 2017 , 46, 265-274	4.6	9
54	Investigating parameters on the preparation of mesoporous activated carbons by the combination of chemical and physical activations using the Taguchi method. <i>Adsorption</i> , 2012 , 18, 297-305	2.6	9
53	Preyssler Heteropolyacid Supported on Nano-SiO ₂ : A Green and Reusable Catalyst in Selective Oxidation of Benzyl Alcohols to Benzaldehydes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2011 , 41, 1221-1228		9
52	SYNTHESIS OF CARBON NANOTUBES VIA CATALYTIC CHEMICAL VAPOR DEPOSITION METHOD AND THEIR MODIFICATION WITH PREYSSLER ANION, [NaP ₅ W ₃ O ₁₁] ¹⁴⁻ . <i>Nano</i> , 2011 , 06, 349-355	1.1	9
51	Highly efficient and green catalyst of {Mo ₁₃₂ } nanoballs supported on ionic liquid-functionalized magnetic silica nanoparticles for oxidative desulfurization of dibenzothiophene. <i>Separation and Purification Technology</i> , 2021 , 258, 117960	8.3	9
50	Al ₂ O ₃ and TiO ₂ entrapped ABS membranes: Preparation, characterization and study of irradiation effect. <i>Applied Surface Science</i> , 2015 , 357, 1481-1489	6.7	8
49	Tunable gas adsorption in graphene oxide framework. <i>Applied Surface Science</i> , 2018 , 443, 198-208	6.7	8
48	Preparation of acrylonitrile-butadiene-styrene membrane: Investigation of solvent/nonsolvent type and additive concentration. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 1399-1404	2.8	8
47	Comparing the Performance of KOH with NaOH-Activated Anthracites in Terms of Methane Storage. <i>Adsorption Science and Technology</i> , 2013 , 31, 729-745	3.6	8
46	A Comparative Study of the Effects of Different Chemical Agents on the Pore-Size Distributions of Macadamia Nutshell-Based Activated Carbons Using Different Models. <i>Adsorption Science and Technology</i> , 2012 , 30, 159-169	3.6	8
45	Pore Size Distribution Analysis of Coal-Based Activated Carbons: Investigating the Effects of Activating Agent and Chemical Ratio. <i>ISRN Chemical Engineering</i> , 2012 , 2012, 1-10		8
44	A new simple protocol for the synthesis of nanohybrid catalyst for oxidative desulfurization of dibenzothiophene. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 4104-4114	5.1	8
43	Effect of Magnetized Ethanol on the Shape Evolution of Zinc Oxide from Nanoparticles to Microrods: Experimental and Molecular Dynamic Simulation Study. <i>Advanced Powder Technology</i> , 2018 , 29, 349-358	4.6	8
42	Investigation of linear alkylbenzene synthesis using nanotitania-supported Dawson heteropolyacid as catalyst by statistical design approaches. <i>Research on Chemical Intermediates</i> , 2016 , 42, 3283-3301	2.8	7
41	Improvement of methane uptake inside graphene sheets using nitrogen, boron and lithium-doped structures: A hybrid molecular simulation. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 876-884	2.8	7

40	Application of Artificial Neural Networks and Adaptive Neuro-Fuzzy Inference Systems to Predict Activated Carbon Properties for Methane Storage. <i>Adsorption Science and Technology</i> , 2014 , 32, 275-290 ^{3.6}	7
39	Molecular dynamics simulation of Keggin HPA doped Nafion [®] 117 as a polymer electrolyte membrane. <i>RSC Advances</i> , 2017 , 7, 44537-44546	3.7 7
38	The effect of the surface coating of a strontium mono-aluminate europium dysprosium-based (SrAlO:Eu,Dy) phosphor by polyethylene (PE), polystyrene (PS) and their dual system on the photoluminescence properties of the pigment.. <i>RSC Advances</i> , 2019 , 9, 38703-38712	3.7 7
37	Application of Artificial Intelligent Modeling for Predicting Activated Carbons Properties Used for Methane Storage. <i>Separation Science and Technology</i> , 2015 , 50, 110-120	2.5 6
36	Water Dynamics and Proton-Transport Mechanisms of Nafion 117/Phosphotungstic Acid Composite Membrane: A Molecular Dynamics Study. <i>ChemPhysChem</i> , 2017 , 18, 3485-3497	3.2 6
35	Equilibria and kinetics characterisation of two different structured nutshell-derived activated carbons. <i>Adsorption</i> , 1997 , 3, 267-275	2.6 6
34	Experimental and simulation study of the effect of surface functional groups decoration on CH ₄ and H ₂ storage capacity of microporous carbons. <i>Applied Surface Science</i> , 2020 , 533, 147487	6.7 6
33	Molecular dynamics simulation of carbon molecular sieve preparation for air separation. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 494-500	2.8 5
32	Superior performance of modified pitch-based adsorbents for cyclic methane storage. <i>Journal of Energy Storage</i> , 2020 , 28, 101251	7.8 5
31	Tribological properties of multilayer nanostructure TiO ₂ thin film doped by SiO ₂ . <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 65-71	2.3 5
30	Green, Rapid and Facile HPMo-Assisted Synthesis of Silver Nanoparticles. <i>Current Nanoscience</i> , 2012 , 8, 880-884	1.4 5
29	Effect of pretreatment process on the characteristics of activated carbons produced from chemical activation of scrap tire. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 796-801	2.5 4
28	Effects of different operating parameters on the particle size of silver chloride nanoparticles prepared in a spinning disk reactor. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 120, 105-113 ^{2.6}	4
27	Comparative Study between Regression and Soft Computing Models to Maximize the Methane Storage Capacity of Anthracite-Based Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 1875-1887	3.9 4
26	Effects of peroxide and phenolic cure systems on characteristics of the filled ethylene-propylene-diene monomer rubber (EPDM). <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46213 ^{2.9}	4
25	Enhancement of methane storage on activated carbons in the presence of water. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016 , 38, 75-81	1.6 4
24	Synthesis of strong silica aerogel by PEDS at ambient conditions for adsorptive removal of para-dichlorobenzene from water. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 84, 246-257	2.3 4
23	Does the addition of a heteropoly acid change the water percolation threshold of PFSA membranes?. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25080-25089	3.6 4

22	A one-pot route for the synthesis of Au@Pd/PMo/rGO as a dual functional electrocatalyst for ethanol electro-oxidation and hydrogen evolution reaction.. <i>RSC Advances</i> , 2019 , 9, 37537-37545	3.7	4
21	An Investigation of Artificial Intelligence Methodologies in the Prediction of the Dirty Amine Flow Rate of a Gas Sweetening Absorption Column. <i>Petroleum Science and Technology</i> , 2014 , 32, 527-534	1.4	3
20	Rapid removal of heavy metal ions from aqueous solutions by low cost adsorbents. <i>International Journal of Global Environmental Issues</i> , 2012 , 12, 318	0.8	3
19	Functionalized magnetite / silica nanocomposite for oily wastewater treatment. <i>Advances in Environmental Research</i> , 2015 , 4, 69-81		3
18	Adsorptive desulfurization of model gasoline by using modified bentonite. <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 149-165	2.3	3
17	Elucidating the morphological aspects and proton dynamics in a hybrid perfluorosulfonic acid membrane for medium-temperature fuel cell applications. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29778-29789	3.6	3
16	Synthesis and characterisation of modified carbon nanotubes with potassium salts of the monosubstituted Keggin polyoxometalates. <i>Micro and Nano Letters</i> , 2014 , 9, 482-485	0.9	2
15	Bulk and Activated Carbon-Supported Tungstophosphoric Acid as Recyclable and Green Catalyst for One-Pot Synthesis of Acetamido Ketones and Esters. <i>E-Journal of Chemistry</i> , 2011 , 8, 689-696		2
14	ISOSTERIC HEAT: A CRITERION FOR EQUILIBRIUM MODEL SELECTION 2000 ,		2
13	ZnO-Nanorods as an Efficient Heterogeneous Catalyst for the Synthesis of Thiazole Derivatives in Water. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2017 , 20, 304-309	1.3	2
12	Oxidative desulfurization of dibenzothiophene by magnetically recoverable polyoxometalate-based nanocatalyst: Optimization by response surface methodology. <i>Molecular Catalysis</i> , 2021 , 509, 111611	3.3	2
11	Mathematical modeling of catalytic behavior of catalyst pellets in crude oils after blocking by liquid sulfur. <i>Petroleum Science and Technology</i> , 2017 , 35, 426-435	1.4	1
10	Endohedral functionalisation of multi-wall carbon nanotubes by acidic cesium salt of Preyssler in nanosize. <i>Micro and Nano Letters</i> , 2014 , 9, 198-201	0.9	1
9	Comparison of Catalysts Preyssler and Silica-Supported Nano Preyssler in the Synthesis of Acetyl Salicylic Acid. <i>E-Journal of Chemistry</i> , 2012 , 9, 272-276		1
8	Investigation of Silica-Supported Preyssler Nanoparticles as Nanocatalysts in Alkylation of Benzene With 1-Decene Using Artificial Intelligence Approach. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011 , 2,		1
7	Novel ZnTi LDH/h-BN nanocomposites for removal of two different organic contaminants: Simultaneous visible light photodegradation of Amaranth and Diazepam. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102581	6.7	1
6	Dynamic simulation and experimental performance of an adsorbed natural gas system under variable charging conditions. <i>Applied Thermal Engineering</i> , 2022 , 206, 118067	5.8	0
5	Experimental Investigation on the Removal of p-Toluic Acid from Aqueous Solution using Functionalized Polymeric Sorbent. <i>Chemical Engineering Communications</i> , 2016 , 203, 1179-1188	2.2	

4 Synthesis and Characterization of Au NPs/Molybdophosphoric Acid/CNT Tricomponent Nanohybrid.
Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, **2016**, 46, 596-601

3 Carboxymethyl- β -cyclodextrin as a good modifier agent for oxidation of dibenzothiophene.
Surfaces and Interfaces, **2021**, 101612

4.1

2 Prediction of Energy and Pore Size Distributions Via Linear Regularization Theory **2019**, 486-490

1 A New Formulation for Polymeric Separator Gels for Potential use in Blood Serum Separator Tubes.
Progress in Rubber, Plastics and Recycling Technology, **2018**, 34, 35-53

1.7