

Imteaz Ahmed

List of Publications by Year in descending order

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48
papers

4,375
citations

109321

35
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

3800
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of hydrogen bonding to liquid-phase adsorptive removal of hazardous organics with metal-organic framework-based materials. <i>Chemical Engineering Journal</i> , 2022, 430, 132596.	12.7	79
2	Metal-organic frameworks bearing free carboxylic acids: Preparation, modification, and applications. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214237.	18.8	66
3	Covalent-organic polymer-derived carbons: An effective adsorbent to remove sulfonamide antibiotics from water. <i>Chemical Engineering Journal</i> , 2022, 437, 135386.	12.7	21
4	Application of Metal-Organic Frameworks in Adsorptive Removal of Organic Contaminants from Water, Fuel and Air. <i>Chemistry - an Asian Journal</i> , 2021, 16, 185-196.	3.3	31
5	Aqueous adsorption of bisphenol A over a porphyrinic porous organic polymer. <i>Chemosphere</i> , 2021, 265, 129161.	8.2	39
6	Aqueous adsorption of sulfamethoxazole on an N-doped zeolite beta-templated carbon. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 467-477.	9.4	33
7	Metal-free aerobic oxidative desulfurization over a diethyltriamine-functionalized aromatic porous polymer. <i>Fuel Processing Technology</i> , 2021, 215, 106741.	7.2	18
8	Aqueous Nd ³⁺ capture using a carboxyl-functionalized porous carbon derived from ZIF-8. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 702-712.	9.4	18
9	Metal-organic frameworks containing uncoordinated nitrogen: Preparation, modification, and application in adsorption. <i>Materials Today</i> , 2021, 51, 566-585.	14.2	50
10	Covalent organic framework-based materials: Synthesis, modification, and application in environmental remediation. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213989.	18.8	91
11	A Tb-based-metal-organic framework prepared under ultrasound for detection of organic amines in aqueous solution through fluorescence quenching. <i>Journal of Molecular Liquids</i> , 2021, 344, 117765.	4.9	12
12	Microporous organic polymers for efficient removal of sulfamethoxazole from aqueous solutions. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 109979.	4.4	37
13	Metal-free oxidative desulfurization over a microporous triazine polymer catalyst under ambient conditions. <i>Fuel Processing Technology</i> , 2020, 207, 106469.	7.2	20
14	Highly efficient adsorptive removal of sulfamethoxazole from aqueous solutions by porphyrinic MOF-525 and MOF-545. <i>Chemosphere</i> , 2020, 250, 126133.	8.2	68
15	Gd ³⁺ Adsorption over Carboxylic- and Amino-Group Dual-Functionalized UiO-66. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2324-2332.	3.7	41
16	Metal-Organic Frameworks for Nanoarchitectures: Nanoparticle, Composite, Core-Shell, Hierarchical, and Hollow Structures. , 2019, , 151-194.		1
17	Ionic liquid entrapped UiO-66: Efficient adsorbent for Gd ³⁺ capture from water. <i>Chemical Engineering Journal</i> , 2019, 370, 792-799.	12.7	60
18	Metal-organic framework-derived carbons: Preparation from ZIF-8 and application in the adsorptive removal of sulfamethoxazole from water. <i>Catalysis Today</i> , 2018, 301, 90-97.	4.4	137

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19	Nitrogen-Doped Porous Carbons from Ionic Liquids@MOF: Remarkable Adsorbents for Both Aqueous and Nonaqueous Media. ACS Applied Materials & Interfaces, 2017, 9, 10276-10285.	8.0	133
20	Adsorptive removal of herbicides from water over nitrogen-doped carbon obtained from ionic liquid@ZIF-8. Chemical Engineering Journal, 2017, 323, 203-211.	12.7	112
21	Protonated MIL-125-NH ₂ : Remarkable Adsorbent for the Removal of Quinoline and Indole from Liquid Fuel. ACS Applied Materials & Interfaces, 2017, 9, 20938-20946.	8.0	69
22	Adsorptive denitrogenation of model fuel by functionalized UiO-66 with acidic and basic moieties. Chemical Engineering Journal, 2017, 321, 40-47.	12.7	61
23	Adsorptive removal of ibuprofen and diclofenac from water using metal-organic framework-derived porous carbon. Chemical Engineering Journal, 2017, 314, 50-58.	12.7	310
24	Applications of metal-organic frameworks in adsorption/separation processes via hydrogen bonding interactions. Chemical Engineering Journal, 2017, 310, 197-215.	12.7	370
25	Adsorption of indole and quinoline from a model fuel on functionalized MIL-101: effects of H-bonding and coordination. Physical Chemistry Chemical Physics, 2016, 18, 14787-14794.	2.8	52
26	Adsorptive removal of nitrogen-containing compounds from a model fuel using a metal-organic framework having a free carboxylic acid group. Chemical Engineering Journal, 2016, 299, 236-243.	12.7	65
27	UiO-66-Type Metal-Organic Framework with Free Carboxylic Acid: Versatile Adsorbents via H-bond for Both Aqueous and Nonaqueous Phases. ACS Applied Materials & Interfaces, 2016, 8, 27394-27402.	8.0	112
28	Adsorptive Removal of Pharmaceuticals and Personal Care Products from Water with Functionalized Metal-organic Frameworks: Remarkable Adsorbents with Hydrogen-bonding Abilities. Scientific Reports, 2016, 6, 34462.	3.3	187
29	Remarkable adsorptive removal of nitrogen-containing compounds from a model fuel by a graphene oxide/MIL-101 composite through a combined effect of improved porosity and hydrogen bonding. Journal of Hazardous Materials, 2016, 314, 318-325.	12.4	70
30	Remarkable adsorbent for phenol removal from fuel: Functionalized metal-organic framework. Fuel, 2016, 174, 43-48.	6.4	79
31	Adsorption of Nitrogen-Containing Compounds from Model Fuel over Sulfonated Metal-Organic Framework: Contribution of Hydrogen-Bonding and Acid-Base Interactions in Adsorption. Journal of Physical Chemistry C, 2016, 120, 407-415.	3.1	90
32	Application of Nanotechnology to Remediate Contaminated Soils. , 2016, , 219-229.		15
33	Adsorptive desulfurization and denitrogenation using metal-organic frameworks. Journal of Hazardous Materials, 2016, 301, 259-276.	12.4	365
34	Remarkable improvement in adsorptive denitrogenation of model fossil fuels with CuCl/activated carbon, prepared under ambient condition. Chemical Engineering Journal, 2015, 279, 327-334.	12.7	59
35	Effective adsorptive removal of indole from model fuel using a metal-organic framework functionalized with amino groups. Journal of Hazardous Materials, 2015, 283, 544-550.	12.4	112
36	Synthesis of ZSM-5 zeolites using hexamethylene imine as a template: Effect of microwave aging. Catalysis Today, 2014, 232, 108-113.	4.4	12

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37	Rearrangement of β -pinene oxide to campholenic aldehyde over the trimesate metal-organic frameworks MIL-100, MIL-110 and MIL-96. <i>Journal of Catalysis</i> , 2014, 311, 114-120.	6.2	38
38	Composites of metal-organic frameworks: Preparation and application in adsorption. <i>Materials Today</i> , 2014, 17, 136-146.	14.2	349
39	Adsorptive denitrogenation of model fuel with CuCl-loaded metal-organic frameworks (MOFs). <i>Chemical Engineering Journal</i> , 2014, 251, 35-42.	12.7	101
40	Adsorption of Pyridine over Amino-Functionalized Metal-Organic Frameworks: Attraction via Hydrogen Bonding versus Base-Base Repulsion. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21049-21056.	3.1	92
41	Adsorptive denitrogenation of model fossil fuels with Lewis acid-loaded metal-organic frameworks (MOFs). <i>Chemical Engineering Journal</i> , 2014, 255, 623-629.	12.7	58
42	Preparation of a Composite of Sulfated Zirconia/Metal Organic Framework and its Application in Esterification Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1659-1664.	1.9	7
43	Graphite Oxide/Metal-Organic Framework (MIL-101): Remarkable Performance in the Adsorptive Denitrogenation of Model Fuels. <i>Inorganic Chemistry</i> , 2013, 52, 14155-14161.	4.0	188
44	Liquid-phase dehydration of sorbitol to isosorbide using sulfated zirconia as a solid acid catalyst. <i>Applied Catalysis A: General</i> , 2013, 452, 34-38.	4.3	66
45	Liquid-phase dehydration of sorbitol to isosorbide using sulfated titania as a solid acid catalyst. <i>Chemical Engineering Science</i> , 2013, 93, 91-95.	3.8	63
46	Adsorptive denitrogenation of model fuels with porous metal-organic framework (MOF) MIL-101 impregnated with phosphotungstic acid: Effect of acid site inclusion. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 37-44.	12.4	96
47	Adsorptive denitrogenation of model fuels with porous metal-organic frameworks (MOFs): Effect of acidity and basicity of MOFs. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 123-129.	20.2	141
48	Synthesis of a Metal-Organic Framework, Iron-Benzenetricarboxylate, from Dry Gels in the Absence of Acid and Salt. <i>Crystal Growth and Design</i> , 2012, 12, 5878-5881.	3.0	81