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	Applications of metal-organic frameworks in adsorption/separation processes via hydrogen bonding interactions. Chemical Engineering Journal, 2017, 310, 197-215.	12.7	370
2	Adsorptive desulfurization and denitrogenation using metal-organic frameworks. Journal of Hazardous Materials, 2016, 301, 259-276.	12.4	365
3	Composites of metalâ€“organic frameworks: Preparation and application in adsorption. Materials Today, 2014, 17, 136-146.	14.2	349
4	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
5	Graphite Oxide/Metalâ€“Organic Framework (MIL-101): Remarkable Performance in the Adsorptive Denitrogenation of Model Fuels. Inorganic Chemistry, 2013, 52, 14155-14161.	4.0	188
6	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
7	Adsorptive denitrogenation of model fuels with porous metal-organic frameworks (MOFs): Effect of acidity and basicity of MOFs. Applied Catalysis B: Environmental, 2013, 129, 123-129.	20.2	141
8	Metal-organic framework-derived carbons: Preparation from ZIF-8 and application in the adsorptive removal of sulfamethoxazole from water. Catalysis Today, 2018, 301, 90-97.	4.4	137
9	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
10	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
11	UiO-66-Type Metalâ€“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
12	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
13	Adsorptive denitrogenation of model fuel with CuCl-loaded metalâ€“organic frameworks (MOFs). Chemical Engineering Journal, 2014, 251, 35-42.	12.7	101
14	Adsorptive denitrogenation of model fuels with porous metal-organic framework (MOF) MIL-101 impregnated with phosphotungstic acid: Effect of acid site inclusion. Journal of Hazardous Materials, 2013, 250-251, 37-44.	12.4	96
15	Adsorption of Pyridine over Amino-Functionalized Metalâ€“Organic Frameworks: Attraction via Hydrogen Bonding versus Baseâ€“Base Repulsion. Journal of Physical Chemistry C, 2014, 118, 21049-21056.	3.1	92
16	Covalent organic framework-based materials: Synthesis, modification, and application in environmental remediation. Coordination Chemistry Reviews, 2021, 441, 213989.	18.8	91
17	Adsorption of Nitrogen-Containing Compounds from Model Fuel over Sulfonated Metalâ€“Organic Framework: Contribution of Hydrogen-Bonding and Acidâ€“Base Interactions in Adsorption. Journal of Physical Chemistry C, 2016, 120, 407-415.	3.1	90
18	Synthesis of a Metalâ€“Organic Framework, Iron-Benezenetricarboxylate, from Dry Gels in the Absence of Acid and Salt. Crystal Growth and Design, 2012, 12, 5878-5881.	3.0	81

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19	Remarkable adsorbent for phenol removal from fuel: Functionalized metalâ€“organic framework. Fuel, 2016, 174, 43-48.	6.4	79
20	Contribution of hydrogen bonding to liquid-phase adsorptive removal of hazardous organics with metal-organic framework-based materials. Chemical Engineering Journal, 2022, 430, 132596.	12.7	79
21	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
22	Protonated MIL-125-NH₂: Remarkable Adsorbent for the Removal of Quinoline and Indole from Liquid Fuel. ACS Applied Materials & Interfaces, 2017, 9, 20938-20946.	8.0	69
23	Highly efficient adsorptive removal of sulfamethoxazole from aqueous solutions by porphyrinic MOF-525 and MOF-545. Chemosphere, 2020, 250, 126133.	8.2	68
24	Liquid-phase dehydration of sorbitol to isosorbide using sulfated zirconia as a solid acid catalyst. Applied Catalysis A: General, 2013, 452, 34-38.	4.3	66
25	Metal-organic frameworks bearing free carboxylic acids: Preparation, modification, and applications. Coordination Chemistry Reviews, 2022, 450, 214237.	18.8	66
26	Adsorptive removal of nitrogen-containing compounds from a model fuel using a metalâ€“organic framework having a free carboxylic acid group. Chemical Engineering Journal, 2016, 299, 236-243.	12.7	65
27	Liquid-phase dehydration of sorbitol to isosorbide using sulfated titania as a solid acid catalyst. Chemical Engineering Science, 2013, 93, 91-95.	3.8	63
28	Adsorptive denitrogenation of model fuel by functionalized UiO-66 with acidic and basic moieties. Chemical Engineering Journal, 2017, 321, 40-47.	12.7	61
29	Ionic liquid entrapped UiO-66: Efficient adsorbent for Gd3+ capture from water. Chemical Engineering Journal, 2019, 370, 792-799.	12.7	60
30	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
31	Adsorptive denitrogenation of model fossil fuels with Lewis acid-loaded metalâ€“organic frameworks (MOFs). Chemical Engineering Journal, 2014, 255, 623-629.	12.7	58
32	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
33	Metalâ€“organic frameworks containing uncoordinated nitrogen: Preparation, modification, and application in adsorption. Materials Today, 2021, 51, 566-585.	14.2	50
34	Gd³⁺ Adsorption over Carboxylic- and Amino-Group Dual-Functionalized UiO-66. Industrial & Engineering Chemistry Research, 2019, 58, 2324-2332.	3.7	41
35	Aqueous adsorption of bisphenol A over a porphyrinic porous organic polymer. Chemosphere, 2021, 265, 129161.	8.2	39
36	Rearrangement of Î±-pinene oxide to campholenic aldehyde over the trimesate metalâ€“organic frameworks MIL-100, MIL-110 and MIL-96. Journal of Catalysis, 2014, 311, 114-120.	6.2	38

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37	Microporous organic polymers for efficient removal of sulfamethoxazole from aqueous solutions. Microporous and Mesoporous Materials, 2020, 296, 109979.	4.4	37
38	Aqueous adsorption of sulfamethoxazole on an N-doped zeolite beta-templated carbon. Journal of Colloid and Interface Science, 2021, 582, 467-477.	9.4	33
39	Application of Metalâ€Organic Frameworks in Adsorptive Removal of Organic Contaminants from Water, Fuel and Air. Chemistry - an Asian Journal, 2021, 16, 185-196.	3.3	31
40	Covalent-organic polymer-derived carbons: An effective adsorbent to remove sulfonamide antibiotics from water. Chemical Engineering Journal, 2022, 437, 135386.	12.7	21
41	Metal-free oxidative desulfurization over a microporous triazine polymer catalyst under ambient conditions. Fuel Processing Technology, 2020, 207, 106469.	7.2	20
42	Metal-free aerobic oxidative desulfurization over a diethyltriamine-functionalized aromatic porous polymer. Fuel Processing Technology, 2021, 215, 106741.	7.2	18
43	Aqueous Nd3+ capture using a carboxyl-functionalized porous carbon derived from ZIF-8. Journal of Colloid and Interface Science, 2021, 594, 702-712.	9.4	18
44	Application of Nanotechnology to Remediate Contaminated Soils. , 2016, , 219-229.		15
45	Synthesis of ZSM-5 zeolites using hexamethylene imine as a template: Effect of microwave aging. Catalysis Today, 2014, 232, 108-113.	4.4	12
46	A Tb-based-metalâ€“organic framework prepared under ultrasound for detection of organic amines in aqueous solution through fluorescence quenching. Journal of Molecular Liquids, 2021, 344, 117765.	4.9	12
47	Preparation of a Composite of Sulfated Zirconia/Metal Organic Framework and its Application in Esterification Reaction. Bulletin of the Korean Chemical Society, 2014, 35, 1659-1664.	1.9	7
48	Metal-Organic Frameworks for Nanoarchitectures: Nanoparticle, Composite, Core-Shell, Hierarchical, and Hollow Structures. , 2019, , 151-194.		1