

Metal-organic framework MIL-100(Fe) for the adsorption of heavy metal ions from aqueous solution

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Removal of Congo red dye from aqueous solution with hydroxyapatite/chitosan composite. <i>Chemical Engineering Journal</i> , 2012, 211-212, 336-342.	6.6	255
3	A terbium(iii)-organic framework for highly selective sensing of cytidine triphosphate. <i>Analyst</i> , The, 2012, 137, 5190.	1.7	20
4	Selective adsorption and extraction of C70 and higher fullerenes on a reusable metal-organic framework MIL-101(Cr). <i>Journal of Materials Chemistry</i> , 2012, 22, 17833.	6.7	43
5	Metal organic frameworks as adsorbents for dye adsorption: overview, prospects and future challenges. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 1846-1863.	0.6	204
6	Mechanistic study of electrochemical treatment of basic green 4 dye with aluminum electrodes through zeta potential, TOC, COD and color measurements, and characterization of residues. <i>RSC Advances</i> , 2013, 3, 16426.	1.7	35
7	Mechanism of Dye Degradation during Electrochemical Treatment. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15229-15240.	1.5	90
8	Zeolitic Imidazolate Framework-8 for Fast Adsorption and Removal of Benzotriazoles from Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9837-9842.	4.0	243
9	The removal of bisphenol A from aqueous solutions by MIL-53(Al) and mesostructured MIL-53(Al). <i>Journal of Colloid and Interface Science</i> , 2013, 405, 157-163.	5.0	157
10	Adsorptive removal of 2,4-dichlorophenoxyacetic acid (2,4-D) from water with a metal-organic framework. <i>Chemical Engineering Journal</i> , 2013, 234, 99-105.	6.6	232
11	Controllable synthesis of metal-organic framework hollow nanospheres by a versatile step-by-step assembly strategy. <i>CrystEngComm</i> , 2013, 15, 3554.	1.3	59
12	Adsorptive removal of hazardous materials using metal-organic frameworks (MOFs): A review. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 444-456.	6.5	1,140
13	Covalent bonding of zeolitic imidazolate framework-90 to functionalized silica fibers for solid-phase microextraction. <i>Chemical Communications</i> , 2013, 49, 2142.	2.2	157
14	Synthesis of magnetic $\beta$ -cyclodextrin-chitosan/graphene oxide as nanoadsorbent and its application in dye adsorption and removal. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 601-607.	2.5	313
15	High pressure, high temperature electrochemical synthesis of metal-organic frameworks: films of MIL-100 (Fe) and HKUST-1 in different morphologies. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5827.	5.2	167
16	A facile and green method to fabricate graphene-based multifunctional hydrogels for miniature-scale water purification. <i>RSC Advances</i> , 2013, 3, 9240.	1.7	65
17	Metaldehyde removal from aqueous solution by adsorption and ion exchange mechanisms onto activated carbon and polymeric sorbents. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 240-250.	6.5	33
18	Influence of framework metal ions on the dye capture behavior of MIL-100 (Fe, Cr) MOF type solids. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8534.	5.2	291
19	Removal of Cobalt (II) Ions from Aqueous Solution on Zinc(II) Ions Doping Chitosan/Hydroxyapatite Composite. <i>Advanced Composites Letters</i> , 2013, 22, 096369351302200.	1.3	4

#	ARTICLE	IF	CITATIONS
20	Template-Free Preparation of Volvox-like Cd <sub>3</sub> Zn <sub>1</sub> S Nanospheres with Cubic Phase for Efficient Photocatalytic Hydrogen Production. Chemistry - an Asian Journal, 2014, 9, 811-818.	1.7	47
21	Efficient capture of nitrobenzene from waste water using metal-organic frameworks. Chemical Engineering Journal, 2014, 246, 142-149.	6.6	168
22	Synthesis of rare earth metal-organic frameworks (Ln-MOFs) and their properties of adsorption desulfurization. Journal of Rare Earths, 2014, 32, 189-194.	2.5	64
23	Removal of Acid Orange 7 from aqueous solution using magnetic graphene/chitosan: A promising nano-adsorbent. International Journal of Biological Macromolecules, 2014, 68, 218-224.	3.6	142
24	The adsorption on magnetic hybrid Fe <sub>3</sub> O <sub>4</sub> /HKUST-1/GO of methylene blue from water solution. Journal of Materials Chemistry A, 2014, 2, 1795-1801.	5.2	106
25	Dichotomous adsorption behaviour of dyes on an amino-functionalised metal-organic framework, amino-MIL-101(Al). Journal of Materials Chemistry A, 2014, 2, 193-203.	5.2	343
26	Facile in situ hydrothermal synthesis of Fe <sub>3</sub> O <sub>4</sub> @MIL-101 composites for removing textile dyes. RSC Advances, 2014, 4, 47921-47924.	1.7	45
27	Nanoscale zeolitic imidazolate framework-8 as a selective adsorbent for theophylline over caffeine and diprophylline. RSC Advances, 2014, 4, 33047-33054.	1.7	23
28	Metal-organic framework MIL-100(Fe) for artificial kidney application. RSC Advances, 2014, 4, 40824-40827.	1.7	33
29	Magnetically separable functionalized graphene oxide decorated with magnetic cyclodextrin as an excellent adsorbent for dye removal. RSC Advances, 2014, 4, 37114.	1.7	30
30	Water Stability and Adsorption in Metal-Organic Frameworks. Chemical Reviews, 2014, 114, 10575-10612.	23.0	1,951
31	Adsorptive separation on metal-organic frameworks in the liquid phase. Chemical Society Reviews, 2014, 43, 5766-5788.	18.7	772
32	Highly efficient and selective adsorption of malachite green onto granular composite hydrogel. Chemical Engineering Journal, 2014, 257, 66-73.	6.6	84
33	A porous metal-organic framework with -COOH groups for highly efficient pollutant removal. Chemical Communications, 2014, 50, 14455-14458.	2.2	154
34	Adsorption of Phenol and <i>p</i> -Nitrophenol from Aqueous Solutions on Metal-Organic Frameworks: Effect of Hydrogen Bonding. Journal of Chemical & Engineering Data, 2014, 59, 1476-1482.	1.0	208
35	Nanoporous metal organic framework materials for smart applications. Materials Science and Technology, 2014, 30, 1598-1612.	0.8	87
36	Probing <sup>27</sup> Al- <sup>13</sup> C proximities in metal-organic frameworks using dynamic nuclear polarization enhanced NMR spectroscopy. Chemical Communications, 2014, 50, 933-935.	2.2	67
37	Adsorption interaction between a metal-organic framework of chromium-benzenedicarboxylates and uranine in aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 164-169.	2.3	54

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38	Large-scale preparation of indium-based infinite coordination polymer hierarchical nanostructures and their good capability for water treatment. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 1-8.	5.0	24
39	A Novel Hybrid Metal-Organic Framework-Polymeric Monolith for Solid-Phase Microextraction. <i>Chemistry - A European Journal</i> , 2014, 20, 3317-3321.	1.7	67
40	Magnetic iron/carbon nanorods derived from a metal organic framework as an efficient heterogeneous catalyst for the chemical oxidation process in water. <i>RSC Advances</i> , 2015, 5, 50790-50800.	1.7	59
41	Bromate reduction in water by catalytic hydrogenation using metal-organic frameworks and sodium borohydride. <i>RSC Advances</i> , 2015, 5, 43885-43896.	1.7	31
42	MIL-68 (In) nano-rods for the removal of Congo red dye from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 270-275.	5.0	84
43	Hierarchical Heteroaggregation of Binary Metal-Organic Gels with Tunable Porosity and Mixed Valence Metal Sites for Removal of Dyes in Water. <i>Scientific Reports</i> , 2015, 5, 10556.	1.6	82
44	Hierarchical Metal-Organic Framework Hybrids: Perturbation-Assisted Nanofusion Synthesis. <i>Accounts of Chemical Research</i> , 2015, 48, 3044-3052.	7.6	99
45	Adsorption behavior of Rhodamine B on nanoporous polymers. <i>RSC Advances</i> , 2015, 5, 104915-104922.	1.7	51
46	Recent progress in the synthesis of metal-organic frameworks. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 054202.	2.8	196
47	Copper-based metal organic framework (MOF), HKUST-1, as an efficient adsorbent to remove p-nitrophenol from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 223-228.	2.7	147
48	Hierarchically mesostructured MIL-101 metal-organic frameworks with different mineralizing agents for adsorptive removal of methyl orange and methylene blue from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1372-1383.	3.3	77
49	From metal-organic frameworks to magnetic nanostructured porous carbon composites: towards highly efficient dye removal and degradation. <i>RSC Advances</i> , 2015, 5, 8228-8235.	1.7	48
50	Adsorptive removal of methylchlorophenoxypropionic acid from water with a metal-organic framework. <i>Chemical Engineering Journal</i> , 2015, 270, 22-27.	6.6	154
51	Efficient degradation of high concentration azo-dye wastewater by heterogeneous Fenton process with iron-based metal-organic framework. <i>Journal of Molecular Catalysis A</i> , 2015, 400, 81-89.	4.8	346
52	A supported Cu(I)@MIL-100(Fe) adsorbent with high CO adsorption capacity and CO/N <sub>2</sub> selectivity. <i>Chemical Engineering Journal</i> , 2015, 270, 282-289.	6.6	128
53	Ultra-high adsorption capacity of zeolitic imidazole framework-67 (ZIF-67) for removal of malachite green from water. <i>Chemosphere</i> , 2015, 139, 624-631.	4.2	355
54	Investigation of the adsorption behaviour of different types of dyes on MIL-100(Fe) and their removal from natural water. <i>Analytical Methods</i> , 2015, 7, 1463-1470.	1.3	71
55	Adsorptive removal of p-arsanilic acid from water using mesoporous zeolitic imidazolate framework-8. <i>Chemical Engineering Journal</i> , 2015, 267, 9-15.	6.6	175

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56	Metal-Organic Frameworks Constructed from $\alpha$ -Camphor Acid: Bifunctional Properties Related to Luminescence Sensing and Liquid-Phase Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4449-4455.	4.0	50
57	Removal of rhodamine B and Cr(VI) from aqueous solutions by a polyoxometalate adsorbent. <i>Chemical Engineering Research and Design</i> , 2015, 100, 192-202.	2.7	31
58	Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2015, 87, 7545-7549.	3.2	75
59	Facile synthesis of size-controlled MIL-100(Fe) with excellent adsorption capacity for methylene blue. <i>Chemical Engineering Journal</i> , 2015, 281, 360-367.	6.6	189
60	Zirconium-based metal organic frameworks: Highly selective adsorbents for removal of phosphate from water and urine. <i>Materials Chemistry and Physics</i> , 2015, 160, 168-176.	2.0	167
61	Liquid-assisted mechanochemical synthesis of an iron carboxylate Metal Organic Framework and its evaluation in diesel fuel desulfurization. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 14-21.	2.2	69
62	Zeolitic Imidazole Framework-67 (ZIF-67) as a heterogeneous catalyst to activate peroxymonosulfate for degradation of Rhodamine B in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 40-45.	2.7	240
63	Mechanistic insight into the interaction and adsorption of Cr(VI) with zeolitic imidazolate framework-67 microcrystals from aqueous solution. <i>Chemical Engineering Journal</i> , 2015, 274, 238-246.	6.6	273
64	Adsorption on Mesoporous Metal-Organic Frameworks in Solution: Aromatic and Heterocyclic Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 16726-16742.	1.7	53
65	A 1D anionic coordination polymer showing superior Congo Red sorption and its dye composite exhibiting remarkably enhanced photocurrent response. <i>Chemical Communications</i> , 2015, 51, 14893-14896.	2.2	113
66	A zeolitic imidazole framework (ZIF)-sponge composite prepared via a surfactant-assisted dip-coating method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20060-20064.	5.2	59
67	Synthesis of magnetic porous $\text{Fe}_2\text{O}_3/\text{C@HKUST-1}$ composites for efficient removal of dyes and heavy metal ions from aqueous solution. <i>RSC Advances</i> , 2015, 5, 5164-5172.	1.7	70
68	Adsorption of an anionic azo dye by cross-linked chitosan/bentonite composite. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1129-1135.	3.6	122
69	Adsorptive removal of bisphenol A from aqueous solution using metal-organic frameworks. <i>Desalination and Water Treatment</i> , 2015, 54, 93-102.	1.0	121
70	Removal of hazardous organics from water using metal-organic frameworks (MOFs): Plausible mechanisms for selective adsorptions. <i>Journal of Hazardous Materials</i> , 2015, 283, 329-339.	6.5	1,142
71	Assembly of a Metal-Organic Framework into 3D Hierarchical Porous Monoliths Using a Pickering High Internal Phase Emulsion Template. <i>Chemistry - A European Journal</i> , 2016, 22, 8751-8755.	1.7	80
72	Doxorubicin-Loaded Metal-Organic Gels for pH and Glutathione Dual-Responsive Release. <i>ChemNanoMat</i> , 2016, 2, 504-508.	1.5	29
73	Facile synthesis of hydroxyapatite/yeast biomass composites and their adsorption behaviors for lead (II). <i>Journal of Colloid and Interface Science</i> , 2016, 477, 181-190.	5.0	36

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74	Facile preparation of chitosan enwrapping Fe <sub>3</sub> O <sub>4</sub> nanoparticles and MIL-101(Cr) magnetic composites for enhanced methyl orange adsorption. <i>Journal of Porous Materials</i> , 2016, 23, 1363-1372.	1.3	25
75	Capture and immobilisation of iodine (I <sub>2</sub> ) utilising polymer-based ZIF-8 nanocomposite membranes. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 122-131.	1.7	47
76	Metal-organic frameworks: structure, properties, methods of synthesis and characterization. <i>Russian Chemical Reviews</i> , 2016, 85, 280-307.	2.5	300
77	A unique multi-functional cationic luminescent metal-organic nanotube for highly sensitive detection of dichromate and selective high capacity adsorption of Congo red. <i>RSC Advances</i> , 2016, 6, 33888-33900.	1.7	54
78	Adsorption behavior of magnetic amino-functionalized metal-organic framework for cationic and anionic dyes from aqueous solution. <i>RSC Advances</i> , 2016, 6, 48884-48895.	1.7	66
79	HF-Free Synthesis of Nanoscale Metal-Organic Framework NMIL-100(Fe) as an Efficient Dye Adsorbent. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3368-3378.	3.2	128
80	Incorporation of N-Methyl-D-glucamine Functionalized Oligomer into MIL-101(Cr) for Highly Efficient Removal of Boric Acid from Water. <i>Chemistry - A European Journal</i> , 2016, 22, 15290-15297.	1.7	17
81	Dual function magnetic hydroxyapatite nanopowder for removal of malachite green and Congo red from aqueous solution. <i>Powder Technology</i> , 2016, 302, 207-214.	2.1	84
82	Fast adsorption and removal of 2-methyl-4-chlorophenoxy acetic acid from aqueous solution with amine functionalized zirconium metal-organic framework. <i>RSC Advances</i> , 2016, 6, 96339-96346.	1.7	28
83	In-situ synthesis of SiO <sub>2</sub> @MOF composites for high-efficiency removal of aniline from aqueous solution. <i>Applied Surface Science</i> , 2016, 390, 506-512.	3.1	42
84	PVDF membranes containing hybrid nanoparticles for adsorbing cationic dyes: physical insights and mechanism. <i>Materials Research Express</i> , 2016, 3, 075303.	0.8	1
85	PPy@MIL-100 Nanoparticles as a pH- and Near-IR-Irradiation-Responsive Drug Carrier for Simultaneous Photothermal Therapy and Chemotherapy of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34209-34217.	4.0	131
86	Preparation of magnetic metal organic framework composites for the extraction of neonicotinoid insecticides from environmental water samples. <i>RSC Advances</i> , 2016, 6, 113144-113151.	1.7	44
87	Fabrication of core-shell Fe <sub>3</sub> O <sub>4</sub> @MIL-100(Fe) magnetic microspheres for the removal of Cr(VI) in aqueous solution. <i>Journal of Solid State Chemistry</i> , 2016, 244, 25-30.	1.4	128
88	High adsorption capability and selectivity of ZnO nanoparticles for dye removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 474-483.	2.3	139
89	Anionic dyes removal from aqueous solution using TMU-16 and TMU-16-NH <sub>2</sub> as isorecticular nanoporous metal organic frameworks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 164-171.	2.7	39
90	Fast adsorption of methyl blue on zeolitic imidazolate framework-8 and its adsorption mechanism. <i>RSC Advances</i> , 2016, 6, 109608-109612.	1.7	86
91	Pharmaceutical removal from water with iron- or manganese-based technologies: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 1584-1621.	6.6	40

#	ARTICLE	IF	CITATIONS
92	Surface modification of hollow magnetic Fe <sub>3</sub> O <sub>4</sub> @NH <sub>2</sub> -MIL-101(Fe) derived from metal-organic frameworks for enhanced selective removal of phosphates from aqueous solution. <i>Scientific Reports</i> , 2016, 6, 30651.	1.6	57
93	Adsorptive Removal of Pharmaceuticals and Personal Care Products from Water with Functionalized Metal-organic Frameworks: Remarkable Adsorbents with Hydrogen-bonding Abilities. <i>Scientific Reports</i> , 2016, 6, 34462.	1.6	187
94	Water Purification: Adsorption over Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2016, 34, 175-185.	2.6	116
95	Optimizing decolorization of methyl blue solution by two magnetic hydroxyapatite nanorods. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 269-275.	2.7	20
96	Emerging adsorptive removal of azo dye by metal-organic frameworks. <i>Chemosphere</i> , 2016, 160, 30-44.	4.2	212
97	Adsorption of fluoride over a metal organic framework UiO-66 functionalized with amine groups and optimization with response surface methodology. <i>Journal of Molecular Liquids</i> , 2016, 221, 279-286.	2.3	123
98	Controllable Assembly of Al-MIL-100 via an Inducing Occupied Effect and Its Selective Adsorption Activity. <i>Crystal Growth and Design</i> , 2016, 16, 3639-3646.	1.4	12
99	Adsorptive removal of acid orange 7 from aqueous solution with metal-organic framework material, iron (III) trimesate. <i>Desalination and Water Treatment</i> , 2016, 57, 3218-3226.	1.0	18
100	Titanium incorporated with UiO-66(Zr)-type Metal-Organic Framework (MOF) for photocatalytic application. <i>RSC Advances</i> , 2016, 6, 3671-3679.	1.7	161
101	Selective removal of U(VI) from low concentration wastewater by functionalized HKUST-1@H3PW12O <sub>40</sub> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 865-875.	0.7	23
102	A multifunctional cadmium-organic framework comprising tricarboxytriphenyl amine: selective gas adsorption, liquid-phase separation and luminescence sensing. <i>RSC Advances</i> , 2016, 6, 1388-1394.	1.7	13
103	Synthesis and characterization of magnetic metal-organic framework for the adsorptive removal of Rhodamine B from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 278-285.	2.9	99
104	Amino ionic liquids-modified magnetic core/shell nanocomposite as an efficient adsorbent for dye removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 206-214.	2.9	35
105	Competitive removal of hazardous dyes from aqueous solution by MIL-68(Al): Derivative spectrophotometric method and response surface methodology approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 160, 8-18.	2.0	125
106	An aliphatic copper metal-organic framework as versatile shape selective adsorbent in liquid phase separations. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 292-298.	2.2	38
107	In situ hydrothermal growth of a dual-ligand metal-organic framework film on a stainless steel fiber for solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples. <i>RSC Advances</i> , 2016, 6, 14042-14048.	1.7	59
108	Facile fabrication of Fe <sub>3</sub> O <sub>4</sub> /MIL-101(Cr) for effective removal of acid red 1 and orange G from aqueous solution. <i>Chemical Engineering Journal</i> , 2016, 295, 403-413.	6.6	191
109	Highly efficient simultaneous ultrasonic-assisted adsorption of methylene blue and rhodamine B onto metal organic framework MIL-68(Al): central composite design optimization. <i>RSC Advances</i> , 2016, 6, 27416-27425.	1.7	132

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110	Highly efficient removal of Malachite green from water by a magnetic reduced graphene oxide/zeolitic imidazolate framework self-assembled nanocomposite. <i>Applied Surface Science</i> , 2016, 361, 114-121.	3.1	66
111	Morphological synthesis of Prussian blue analogue $Zn_3 [Fe(CN)_6]_2 \cdot x H_2O$ micro-/nanocrystals and their excellent adsorption performance toward methylene blue. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 191-197.	5.0	22
112	Investigations on post-synthetically modified UiO-66-NH <sub>2</sub> for the adsorptive removal of heavy metal ions from aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2016, 221, 238-244.	2.2	314
113	Approaches to drug delivery: Confinement of aspirin in MIL-100(Fe) and aspirin in the de novo synthesis of metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 254-260.	2.2	82
114	CoFe <sub>2</sub> O <sub>4</sub> @MIL-100(Fe) hybrid magnetic nanoparticles exhibit fast and selective adsorption of arsenic with high adsorption capacity. <i>Scientific Reports</i> , 2017, 7, 40955.	1.6	75
115	Metal-Organic Framework UiO-66 as an Efficient Adsorbent for Boron Removal from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 2565-2572.	1.8	55
116	Metal-organic frameworks constructed from a tetrahedral silicon-based linker for selective adsorption of methylene blue. <i>CrystEngComm</i> , 2017, 19, 1564-1570.	1.3	22
117	Metal-organic framework templated synthesis of TiO <sub>2</sub> @MIL-101 core-shell architectures for high-efficiency adsorption and photocatalysis. <i>Materials Letters</i> , 2017, 200, 55-58.	1.3	36
118	Reduced graphene oxide as an effective adsorbent for removal of malachite green dye: Plausible adsorption pathways. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 11-21.	5.0	230
119	Metal-organic framework UiO-66 for adsorption of methylene blue dye from aqueous solutions. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1959-1968.	1.8	114
120	Synthesis and characterization of $\beta$ -cyclodextrin-carboxymethyl cellulose-graphene oxide composite materials and its application for removal of basic fuchsin. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1827-1837.	1.2	24
121	One-pot synthesis of binary metal organic frameworks (HKUST-1 and UiO-66) for enhanced adsorptive removal of water contaminants. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 685-694.	5.0	116
122	Synthesis of metal-organic framework hybrid nanocomposites based on GO and CNT with high adsorption capacity for dye removal. <i>Chemical Engineering Journal</i> , 2017, 326, 1145-1158.	6.6	494
123	Dual-functionalized strontium phosphate hybrid nanopowder for effective removal of Pb <sup>2+</sup> and malachite green from aqueous solution. <i>Powder Technology</i> , 2017, 318, 128-134.	2.1	17
124	Ionic Liquid/Metal-Organic Framework Composites: From Synthesis to Applications. <i>ChemSusChem</i> , 2017, 10, 2842-2863.	3.6	210
125	In situ one-step synthesis of Fe <sub>3</sub> O <sub>4</sub> @MIL-100(Fe) core-shells for adsorption of methylene blue from water. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 186-195.	5.0	121
126	Effective adsorption of malachite green using magnetic barium phosphate composite from aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 182, 116-122.	2.0	31
127	Reversing the Dye Adsorption and Separation Performance of Metal-Organic Frameworks via Introduction of $-SO_3H$ Groups. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 4496-4501.	1.8	105



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128	Adsorption behavior of methyl orange onto an aluminum-based metal organic framework, MIL-68(Al). <i>Water Science and Technology</i> , 2017, 75, 2800-2810.	1.2	32
129	Co-metal-organic-frameworks with pure uniform crystal morphology prepared via Co <sup>2+</sup> exchange-mediated transformation from Zn-metallogels for luminol catalysed chemiluminescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 11-16.	2.0	18
130	Heterotrimetallic coordination polymers for dye adsorption and desorption. <i>Polyhedron</i> , 2017, 124, 51-61.	1.0	8
131	Malachite green – a cationic dye – and its removal from aqueous solution by adsorption. <i>Applied Water Science</i> , 2017, 7, 3407-3445.	2.8	180
132	Platinum Nanoparticle Encapsulated Metal-Organic Frameworks for Colorimetric Measurement and Facile Removal of Mercury(II). <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40716-40725.	4.0	110
133	A facile and green synthesis of MIL-100(Fe) with high-yield and its catalytic performance. <i>New Journal of Chemistry</i> , 2017, 41, 13504-13509.	1.4	63
134	Heterogeneous Fenton-like catalysis of Fe-MOF derived magnetic carbon nanocomposites for degradation of 4-nitrophenol. <i>RSC Advances</i> , 2017, 7, 49024-49030.	1.7	87
135	Metal-organic frameworks for biosensing and bioimaging applications. <i>Coordination Chemistry Reviews</i> , 2017, 349, 139-155.	9.5	291
136	In situ growth of metal-organic frameworks (MOFs) on the surface of other MOFs: a new strategy for constructing magnetic resonance/optical dual mode imaging materials. <i>Dalton Transactions</i> , 2017, 46, 13686-13689.	1.6	16
137	High-permeance metal-organic framework-based membrane adsorber for the removal of dye molecules in aqueous phase. <i>Environmental Science: Nano</i> , 2017, 4, 2205-2214.	2.2	41
138	Heteroaggregation behavior of graphene oxide on Zr-based metal-organic frameworks in aqueous solutions: a combined experimental and theoretical study. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20398-20406.	5.2	53
139	Extensive and selective adsorption of ZIF-67 towards organic dyes: Performance and mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 437-441.	5.0	202
140	Controlled Construction of Supported Cu Sites and Their Stabilization in MIL-100(Fe): Efficient Adsorbents for Benzothiophene Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29445-29450.	4.0	40
141	Pyrolytic in situ magnetization of metal-organic framework MIL-100 for magnetic solid-phase extraction. <i>Journal of Chromatography A</i> , 2017, 1517, 18-25.	1.8	48
142	Ultrahigh adsorption and singlet-oxygen mediated degradation for efficient synergetic removal of bisphenol A by a stable zirconium-porphyrin metal-organic framework. <i>Scientific Reports</i> , 2017, 7, 6297.	1.6	76
143	Enhanced Fenton-like catalysis by iron-based metal organic frameworks for degradation of organic pollutants. <i>Journal of Catalysis</i> , 2017, 356, 125-132.	3.1	256
144	Removal of Congo red dye from aqueous solution with nickel-based metal-organic framework/graphene oxide composites prepared by ultrasonic wave-assisted ball milling. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 845-852.	3.8	126
145	Porous calcium titanate and sorption and desorption of water under ambient conditions: a study by conventional and synchronous luminescence spectroscopy. <i>Journal of Porous Materials</i> , 2017, 24, 1145-1154.	1.3	6

#	ARTICLE	IF	CITATIONS
146	A two-dimensional porous framework: solvent-induced structural transformation and selective adsorption towards malachite green. <i>Dalton Transactions</i> , 2017, 46, 8350-8353.	1.6	12
147	Effective Adsorption and Removal of Phosphate from Aqueous Solutions and Eutrophic Water by Fe-based MOFs of MIL-101. <i>Scientific Reports</i> , 2017, 7, 3316.	1.6	190
148	Adsorption of methylene blue and malachite green from aqueous solution by sulfonic acid group modified MIL-101. <i>Microporous and Mesoporous Materials</i> , 2017, 237, 268-274.	2.2	191
149	Catalytic activity of MOF(2Fe/Co)/carbon aerogel for improving H <sub>2</sub> O <sub>2</sub> and •OH generation in solar photoelectro-Fenton process. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 127-137.	10.8	266
150	Synthesis, characterization, and dye capture of a 3D Cd(II)-carboxylate pcu network. <i>Polyhedron</i> , 2017, 122, 124-130.	1.0	5
151	Preparation of Cationic MOFs with Mobile Anions by Anion Stripping to Remove 2,4-D from Water. <i>Materials</i> , 2017, 10, 879.	1.3	14
152	Application of Metal-Organic Framework Nano-MIL-100(Fe) for Sustainable Release of Doxycycline and Tetracycline. <i>Nanomaterials</i> , 2017, 7, 215.	1.9	43
153	Synthesis, Structure, and Dye Adsorption Properties of a Nickel(II) Coordination Layer Built from d-Camphorate and Bispyridyl Ligands. <i>Polymers</i> , 2017, 9, 661.	2.0	28
154	New Composites LnBDC@AC and CB[6]@AC: From Design toward Selective Adsorption of Methylene Blue or Methyl Orange. <i>PLoS ONE</i> , 2017, 12, e0170026.	1.1	7
155	Ethylenediamine-functionalized cubic ZIF-8 for arsenic adsorption from aqueous solution: Modeling, isotherms, kinetics and thermodynamics. <i>Journal of Molecular Liquids</i> , 2018, 255, 263-268.	2.3	77
156	Integrated atomic layer deposition and chemical vapor reaction for the preparation of metal organic framework coatings for solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2018, 1024, 93-100.	2.6	43
157	Experimental and theoretical investigations on Se(IV) and Se(VI) adsorption to UiO-66-based metal-organic frameworks. <i>Environmental Science: Nano</i> , 2018, 5, 1441-1453.	2.2	79
158	Highly efficient Fenton and enzyme-mimetic activities of NH <sub>2</sub> -MIL-88B(Fe) metal organic framework for methylene blue degradation. <i>Scientific Reports</i> , 2018, 8, 5159.	1.6	103
159	Kitchen grinder: a tool for the synthesis of metal-organic frameworks towards size selective dye adsorption. <i>CrystEngComm</i> , 2018, 20, 2486-2490.	1.3	47
160	High effective adsorption/removal of illegal food dyes from contaminated aqueous solution by Zr-MOFs (UiO-67). <i>Food Chemistry</i> , 2018, 254, 241-248.	4.2	142
161	Metal-organic frameworks (MOFs) as futuristic options for wastewater treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 130-145.	2.9	173
162	Adsorption of tetracycline antibiotics from aqueous solutions on nanocomposite multi-walled carbon nanotube functionalized MIL-53(Fe) as new adsorbent. <i>Science of the Total Environment</i> , 2018, 627, 235-244.	3.9	418
163	POM & MOF-based Electrocatalysts for Energy-related Reactions. <i>ChemCatChem</i> , 2018, 10, 1703-1730.	1.8	107

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164	MIL-Ti metal-organic frameworks (MOFs) nanomaterials as superior adsorbents: Synthesis and ultrasound-aided dye adsorption from multicomponent wastewater systems. <i>Journal of Hazardous Materials</i> , 2018, 347, 123-140.	6.5	308
165	Metal-organic framework (MIL-100 (Fe)): Synthesis, detailed photocatalytic dye degradation ability in colored textile wastewater and recycling. <i>Materials Research Bulletin</i> , 2018, 100, 357-366.	2.7	174
166	An enhanced adsorption of organic dyes onto NH <sub>2</sub> functionalization titanium-based metal-organic frameworks and the mechanism investigation. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 120-127.	2.2	98
167	Adsorptive and photocatalytic removal of Persistent Organic Pollutants (POPs) in water by metal-organic frameworks (MOFs). <i>Chemical Engineering Journal</i> , 2018, 337, 351-371.	6.6	402
168	Aqueous contaminant detection via UiO-66 thin film optical fiber sensor platform with fast Fourier transform based spectrum analysis. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 025601.	1.3	8
169	Effect of mineralizing agents on the adsorption performance of metal-organic framework MIL-100(Fe) towards chromium(VI). <i>Chemical Engineering Journal</i> , 2018, 337, 532-540.	6.6	122
170	Assembly, Fluorescent and Adsorption Properties of Two Cadmium(II)/Cobalt(II) Coordination Complexes Functionalized by the Flexible Bis(Pyridyl)-bis(Amide) Ligand. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1810-1820.	1.9	4
171	Effect of N-donor linkers on dye adsorption efficiency based on isostructure cobalt(II) coordination polymers. <i>Inorganica Chimica Acta</i> , 2018, 479, 172-178.	1.2	12
172	Application of Carbonized Metal-Organic Framework as Efficient Adsorbent of Cationic Dye. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 4867-4879.	1.8	37
173	Selective dye adsorption by highly water stable metal-organic framework: Long term stability analysis in aqueous media. <i>Applied Surface Science</i> , 2018, 445, 424-436.	3.1	240
174	A 2D porous pentiptycene-based MOF for efficient detection of Ba <sup>2+</sup> and selective adsorption of dyes from water. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1314-1320.	3.0	19
175	Synthesis of MIL-100(Fe)@MIL-53(Fe) as a novel hybrid photocatalyst and evaluation photocatalytic and photoelectrochemical performance under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 262, 172-180.	1.4	71
176	Adsorption removal of malachite green dye from aqueous solution. <i>Reviews in Chemical Engineering</i> , 2018, 34, 427-453.	2.3	40
177	Aluminum carboxylate-based metal organic frameworks for effective adsorption of anionic azo dyes from aqueous media. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 59, 149-159.	2.9	51
178	Adsorption and biodegradation of dye in wastewater with Fe <sub>3</sub> O <sub>4</sub> @MIL-100 (Fe) core-shell bio-nanocomposites. <i>Chemosphere</i> , 2018, 191, 315-323.	4.2	125
179	Synthesis of magnetic orderly mesoporous $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanocluster derived from MIL-100(Fe) for rapid and efficient arsenic(III,V) removal. <i>Journal of Hazardous Materials</i> , 2018, 343, 304-314.	6.5	120
180	Synthesis of graphene oxide/metal-organic frameworks hybrid materials for enhanced removal of Methylene blue in acidic and alkaline solutions. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 698-709.	1.6	46
181	Synthesis of iron-based metal-organic framework MIL-53 as an efficient catalyst to activate persulfate for the degradation of Orange G in aqueous solution. <i>Applied Catalysis A: General</i> , 2018, 549, 82-92.	2.2	131

#	ARTICLE	IF	CITATIONS
182	Sonochemical synthesis of amide-functionalized metal-organic framework/graphene oxide nanocomposite for the adsorption of methylene blue from aqueous solution. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 189-195.	3.8	75
183	MOF/graphene oxide composite as an efficient adsorbent for the removal of organic dyes from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5521-5528.	2.7	73
184	Functionalized metal-organic frameworks for effective removal of rocephin in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 234-239.	5.0	57
185	Design of two isorecticular Cd-biphenyltetracarboxylate frameworks for dye adsorption, separation and photocatalytic degradation. <i>Dalton Transactions</i> , 2018, 47, 700-707.	1.6	44
186	Mn-MIL-100 heterogeneous catalyst for the selective oxidative cleavage of alkenes to aldehydes. <i>Catalysis Communications</i> , 2018, 103, 51-55.	1.6	39
187	Mesoporous Metal-Organic Frameworks: Synthetic Strategies and Emerging Applications. <i>Small</i> , 2018, 14, e1801454.	5.2	133
188	Identification of thienopyridine carboxamides as selective binders of HIV-1 <i>trans</i> Activation Response (TAR) and Rev Response Element (RRE) RNAs. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9191-9196.	1.5	14
189	Fast adsorption of methylene blue, basic fuchsin, and malachite green by a novel sulfonic-grafted triptycene-based porous organic polymer. <i>RSC Advances</i> , 2018, 8, 41986-41993.	1.7	36
190	Preparation and application of $\text{Fe}_2\text{O}_3/\text{MIL-101}(\text{Cr})/\text{TiO}_2$ based on metal-organic framework for photocatalytic degradation of paraquat. <i>Toxicology and Industrial Health</i> , 2018, 34, 842-859.	0.6	14
191	Efficient Adsorptive Removal of Toxic Amaranth Dye from Water using a Zeolitic Imidazolate Framework. <i>Water Environment Research</i> , 2018, 90, 1947-1955.	1.3	14
192	State-of-the-Art Advances and Challenges of Iron-Based Metal Organic Frameworks from Attractive Features, Synthesis to Multifunctional Applications. <i>Small</i> , 2019, 15, e1803088.	5.2	111
193	Facile Surface Modification of Glass-Fiber Membrane with Silylating Reagent through Chemical Bonding for the Selective Separation and Recycling of Diverse Dyes from Aqueous Solutions. <i>ChemistrySelect</i> , 2018, 3, 12734-12741.	0.7	5
194	Efficient adsorption toward precious metal from aqueous solution by zeolitic imidazolate framework-8. <i>Adsorption</i> , 2018, 24, 733-744.	1.4	31
195	Glyphosate removal from water by functional three-dimensional graphene aerogels. <i>Environmental Chemistry</i> , 2018, 15, 325.	0.7	14
196	Facile synthesis of $\text{Fe}_3\text{O}_4/\text{MOF-100}(\text{Fe})$ magnetic microspheres for the adsorption of diclofenac sodium in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31705-31717.	2.7	53
197	Host-Guest Interaction Optimization through Cavity Functionalization for Ultra-Fast and Efficient Water Purification by a Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2018, 57, 11578-11587.	1.9	41
198	Zirconium-based metal organic frameworks loaded on polyurethane foam membrane for simultaneous removal of dyes with different charges. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 267-279.	5.0	94
199	Adsorption behavior and structure transformation of mesoporous metal-organic frameworks towards arsenates and organic pollutants in aqueous solution. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1389-1396.	3.2	32

#	ARTICLE	IF	CITATIONS
200	Hydrothermal synthesis of NH <sub>2</sub> -UiO-66 and its application for adsorptive removal of dye. <i>Advanced Powder Technology</i> , 2018, 29, 2626-2632.	2.0	102
201	Facile Fabrication of Magnetic Metal-Organic Framework Composites for the Highly Selective Removal of Cationic Dyes. <i>Materials</i> , 2018, 11, 744.	1.3	13
202	Synthesis and Catalytic Application of Mixed Valence Iron (Fe <sup>II</sup> /Fe <sup>III</sup> )-Based OMS-MIL-100(Fe) as an Efficient Green Catalyst for the aza-Michael Reaction. <i>Catalysis Letters</i> , 2018, 148, 2918-2928.	1.4	36
203	Green synthesis of aluminum-based metal organic framework for the removal of azo dye Acid Black 1 from aqueous media. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 316-325.	2.9	29
204	Adsorption of Congo red from aqueous solution onto shrimp shell powder. <i>Adsorption Science and Technology</i> , 2018, 36, 1310-1330.	1.5	65
205	Metal-organic frameworks for dye sorption: structure-property relationships and scalable deposition of the membrane adsorber. <i>CrystEngComm</i> , 2018, 20, 5465-5474.	1.3	30
206	Interconnected Porous Monolith Prepared via UiO-66 Stabilized Pickering High Internal Phase Emulsion Template. <i>Chemistry - A European Journal</i> , 2018, 24, 16426-16431.	1.7	28
207	Synthesis, crystal structures, and dye removal properties of a series of discrete and polymeric copper, zinc, cobalt, and cadmium complexes containing bis-pyridyl-bis-amine ligands. <i>Journal of Solid State Chemistry</i> , 2018, 265, 227-236.	1.4	9
208	A biomimetic cellulose-based composite material that incorporates the antimicrobial metal-organic framework HKUST-1. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46978.	1.3	26
209	Highly CO selective Cu(I)-doped MIL-100(Fe) adsorbent with high CO/CO <sub>2</sub> selectivity due to $\pi$ complexation: Effects of Cu(I) loading and activation temperature. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 17-24.	2.2	54
210	Recyclable magnetic carbonaceous porous composites derived from MIL-100(Fe) for superior adsorption and removal of malachite green from aqueous solution. <i>RSC Advances</i> , 2019, 9, 23711-23717.	1.7	6
211	The Coordination Polymer [Cu(bipy)(SO <sub>4</sub> ) <sub>4</sub> ]·nH <sub>2</sub> O and Its Functionalization for Selective Removal of Two Types of Organic Pollutants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 15416-15424.	1.8	3
212	Simultaneous efficient adsorption and photocatalytic degradation of methylene blue over iron(III)-based metal-organic frameworks: a comparative study. <i>Transition Metal Chemistry</i> , 2019, 44, 789-797.	0.7	24
213	Removal of Malachite Green Dye from Aqueous Solutions Using Zeolitic Imidazole Framework-8. <i>Environmental Processes</i> , 2019, 6, 757-772.	1.7	28
214	Metal-organic frameworks as advanced sorbents in sample preparation for small organic analytes. <i>Coordination Chemistry Reviews</i> , 2019, 397, 1-13.	9.5	79
215	Electrospinning Synthesis of ZIF-67/PAN Fibrous Membrane with High-capacity Adsorption for Malachite Green. <i>Fibers and Polymers</i> , 2019, 20, 2070-2077.	1.1	46
216	Kinetics, isotherm, and thermodynamic studies of methylene blue selective adsorption and photocatalysis of malachite green from aqueous solution using layered Na-intercalated Cu-doped Titania. <i>Applied Clay Science</i> , 2019, 183, 105323.	2.6	37
217	Mechanistic insights into selective adsorption and separation of multi-component anionic dyes using magnetic zeolite imidazolate framework-67 composites. <i>Journal of Molecular Liquids</i> , 2019, 296, 111990.	2.3	39

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218	Metal-Organic Frameworks of MIL-100(Fe, Cr) and MIL-101(Cr) for Aromatic Amines Adsorption from Aqueous Solutions. <i>Molecules</i> , 2019, 24, 3718.	1.7	33
219	The performance of UiO-66-NH <sub>2</sub> /graphene oxide (GO) composite membrane for removal of differently charged mixed dyes. <i>Chemosphere</i> , 2019, 237, 124517.	4.2	45
220	Development and application of novel bio-magnetic membrane capsules for the removal of the cationic dye malachite green in wastewater treatment. <i>RSC Advances</i> , 2019, 9, 3625-3646.	1.7	51
221	Water Contaminant Elimination Based on Metal-Organic Frameworks and Perspective on Their Industrial Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4548-4563.	3.2	165
222	Insight into the influence of framework metal ion of analogous metal-organic frameworks on the adsorptive removal performances of dyes from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 73-84.	2.7	12
223	Fabrication of zeolitic imidazolate framework-8 functional polyacrylonitrile nanofibrous mats for dye removal. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	53
224	Metal-organic framework MIL-53(Cr) as a superior adsorbent: Highly efficient separation of xylene isomers in liquid phase. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 262-272.	2.9	22
225	Synthesis of Graphene Oxide/Metal-Organic Frameworks Composite Materials for Removal of Congo Red from Wastewater. <i>ChemistrySelect</i> , 2019, 4, 5755-5762.	0.7	29
226	Removal of antimonite and antimonate from water using Fe-based metal-organic frameworks: The relationship between framework structure and adsorption performance. <i>Journal of Environmental Sciences</i> , 2019, 86, 213-224.	3.2	48
227	Use of metal-organic framework to remove chromium (VI) from aqueous solutions. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2019, 17, 701-709.	1.4	41
228	Enhanced catalytic activity over MIL-100(Fe) with coordinatively unsaturated Fe <sup>2+</sup> /Fe <sup>3+</sup> sites for selective oxidation of H <sub>2</sub> S to sulfur. <i>Chemical Engineering Journal</i> , 2019, 374, 793-801.	6.6	114
229	Rapid in Situ Self-Assembly of Carbon Fibers/ZIF-8 Composite for Efficient Adsorption Enhancement of Congo Red. <i>ChemistrySelect</i> , 2019, 4, 6429-6436.	0.7	6
230	Design and synthesis of porous ZnO/TiO <sub>2</sub> @ZIF-8 multi-component nano-system via pyrolysis strategy with high adsorption capacity and visible light photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109548.	2.2	29
231	FeNi-based bimetallic MIL-101 directly applicable as an efficient electrocatalyst for oxygen evolution reaction. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 92-97.	2.2	31
232	Removal of MC-LR using the stable and efficient MIL-100/MIL-53 (Fe) photocatalyst: The effect of coordinate immobilized layers. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 371-379.	10.8	82
233	Selective adsorption of anionic dyes from aqueous solution by nickel (II) oxide. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 171-186.	0.6	7
234	Efficient Removal of Anionic Organic Dyes from Aqueous Solution with Cu-Organic Frameworks. <i>Chemical Engineering and Technology</i> , 2019, 42, 1070-1077.	0.9	8
235	Adsorption and pH-Responsive Release of Tinidazole on Metal-Organic Framework CAU-1. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 1851-1858.	1.0	52

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236	Effective adsorptive performance of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core shell spheres for methylene blue: kinetics, isotherm and mechanism. <i>Journal of Porous Materials</i> , 2019, 26, 1465-1474.	1.3	26
237	Preparation of metal-organic frameworks with bimetallic linkers and corresponding properties. <i>New Journal of Chemistry</i> , 2019, 43, 7243-7250.	1.4	10
238	Experimental Study on the Influence of Initial pH, Ionic Strength, and Temperature on the Selective Adsorption of Dyes onto Nanodiamonds. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 1508-1514.	1.0	42
239	Iron based metal organic framework for efficient removal of methylene blue dye from industrial waste. <i>Journal of Molecular Liquids</i> , 2019, 284, 343-352.	2.3	177
240	Investigation on Adsorption Mechanism of Peptides with Surface-Modified Super-Macroporous Resins. <i>Langmuir</i> , 2019, 35, 4471-4480.	1.6	17
241	Uniform arrangement of gold nanoparticles on magnetic core particles with a metal-organic framework shell as a substrate for sensitive and reproducible SERS based assays: Application to the quantitation of Malachite Green and thiram. <i>Mikrochimica Acta</i> , 2019, 186, 144.	2.5	59
242	Novel nanocomposite derived from ZnO/CdS QDs embedded crosslinked chitosan: An efficient photocatalyst and effective antibacterial agent. <i>Journal of Hazardous Materials</i> , 2019, 369, 398-407.	6.5	62
243	Effect of Co(II) dopant on the removal of Methylene Blue by a dense copper terephthalate. <i>Journal of Environmental Sciences</i> , 2019, 81, 68-79.	3.2	14
244	Mechanistic Study of Phosphorus Adsorption onto Iron Z-A: Spectroscopic and Experimental Approach. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4897.	1.3	6
245	High adsorption of methylene blue from aqueous solutions using leaf-shaped ZIF-8. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-14.	1.8	11
246	Excess adsorption of acetonitrile and water on MIL-100(Fe) and its potential application in mixed-mode chromatography. <i>New Journal of Chemistry</i> , 2019, 43, 16566-16571.	1.4	2
247	Hydrothermal Synthesize of HF-Free MIL-100(Fe) for Isoniazid-Drug Delivery. <i>Scientific Reports</i> , 2019, 9, 16907.	1.6	77
248	Loading Control of Metal-Organic Frameworks in Fe <sub>3</sub> O <sub>4</sub> @MOFs Series Composite Adsorbents for Optimizing Dye Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 22244-22249.	1.8	31
249	Novel room-temperature synthesis of MIL-100(Fe) and its excellent adsorption performances for separation of light hydrocarbons. <i>Chemical Engineering Journal</i> , 2019, 355, 679-686.	6.6	82
250	Successive removal of Pb <sup>2+</sup> and Congo red by magnetic phosphate nanocomposites from aqueous solution. <i>Science of the Total Environment</i> , 2019, 658, 1139-1149.	3.9	16
251	Highly efficient removal of dye pollutants by MIL-101(Fe) metal-organic framework loaded magnetic particles mediated by Poly L-Dopa. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102882.	3.3	66
252	Competitive removal of Pb <sup>2+</sup> and malachite green from water by magnetic phosphate nanocomposites. <i>Water Research</i> , 2019, 150, 442-451.	5.3	92
253	Removal of sulfonamide antibiotics from water by adsorption and persulfate oxidation process. <i>Journal of Molecular Liquids</i> , 2019, 274, 632-638.	2.3	84

#	ARTICLE	IF	CITATIONS
254	Enhanced photocatalytic Cr(VI) reduction and diclofenac sodium degradation under simulated sunlight irradiation over MIL-100(Fe)/g-C <sub>3</sub> N <sub>4</sub> heterojunctions. Chinese Journal of Catalysis, 2019, 40, 70-79.	6.9	136
255	Metal-organic frameworks (MOFs) for the removal of emerging contaminants from aquatic environments. Coordination Chemistry Reviews, 2019, 380, 330-352.	9.5	447
256	The application of different typological and structural MOFs-based materials for the dyes adsorption. Coordination Chemistry Reviews, 2019, 380, 471-483.	9.5	302
257	Adsorptive behavior of zeolitic imidazolate framework-8 towards anionic dye in aqueous media: Combined experimental and molecular docking study. Journal of Molecular Liquids, 2019, 278, 536-545.	2.3	63
258	Study on adsorptive removal for methylene blue of a Co(II) coordination polymer. Journal of Molecular Structure, 2019, 1177, 269-274.	1.8	2
259	Goal-directed design of metal-organic frameworks for liquid-phase adsorption and separation. Coordination Chemistry Reviews, 2019, 378, 310-332.	9.5	82
260	Molecular Simulation Study of the Adsorption and Diffusion Properties of Terephthalic Acid in Various Metal Organic Frameworks. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1643-1652.	1.9	11
261	A metal organic framework-ultrafiltration hybrid system for removing selected pharmaceuticals and natural organic matter. Chemical Engineering Journal, 2020, 382, 122920.	6.6	47
262	Metal-Organic Frameworks (MOFs) and MOF-Derived Porous Carbon Materials for Sustainable Adsorptive Wastewater Treatment. , 2020, , 163-194.		17
263	Melamine-induced novel MSONs heterostructured framework: Controlled-switching between MOF and SOF via a self-assembling approach for rapid uranium sequestration. Chemical Engineering Journal, 2020, 379, 122279.	6.6	21
264	Fabrication of Fe <sub>3</sub> O <sub>4</sub> /ZIF-67 composite for removal of direct blue 80 from water. Water Environment Research, 2020, 92, 740-748.	1.3	7
265	Removal of fluoroquinolone drug, levofloxacin, from aqueous phase over iron based MOFs, MIL-100(Fe). Journal of Solid State Chemistry, 2020, 281, 121029.	1.4	117
266	Sb(III) removal from aqueous solution by a novel nano-modified chitosan (NMCS). Separation and Purification Technology, 2020, 236, 116266.	3.9	54
267	Facile synthesis of dual-functionalized microporous organic network for efficient removal of cationic dyes from water. Microporous and Mesoporous Materials, 2020, 296, 110013.	2.2	24
268	MIL-100(Fe) and its derivatives: from synthesis to application for wastewater decontamination. Environmental Science and Pollution Research, 2020, 27, 4703-4724.	2.7	76
269	Synthesis of porous metal-organic framework composite adsorbents and pollutant removal from multicomponent systems. Materials Chemistry and Physics, 2020, 243, 122572.	2.0	18
270	Synthesis of magnetically recyclable g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> /ZIF-8 nanocomposites for excellent adsorption of malachite green. Microchemical Journal, 2020, 152, 104425.	2.3	57
271	Lanthanum hydroxides modified poly(epichlorohydrin)-ethylenediamine composites for highly efficient phosphate removal and bacteria disinfection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 588, 124344.	2.3	9



#	ARTICLE	IF	CITATIONS
272	Humic acid functionalized magnetic nanomaterials for remediation of dye wastewater under ultrasonication: Application in real water samples, recycling and reuse of nanosorbents. <i>Chemosphere</i> , 2020, 245, 125553.	4.2	56
273	The synthesis strategies and photocatalytic performances of TiO <sub>2</sub> /MOFs composites: A state-of-the-art review. <i>Chemical Engineering Journal</i> , 2020, 391, 123601.	6.6	155
274	A critical review on recent developments in MOF adsorbents for the elimination of toxic heavy metals from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44771-44796.	2.7	83
275	Role of Pore Volume and Surface Area of Cu-BTC and MIL-100 (Fe) Metal-Organic Frameworks on the Loading of Rifampicin: Collective Experimental and Docking Study. <i>ChemistrySelect</i> , 2020, 5, 12398-12406.	0.7	7
276	Metal-organic framework MIL-100(Fe) for dye removal in aqueous solutions: Prediction by artificial neural network and response surface methodology modeling. <i>Environmental Pollution</i> , 2020, 267, 115583.	3.7	23
277	Synthesis and crystal structures of zinc(II) coordination polymers of trimethylenedipyridine (tmdp), 4-nitrobenzoic (Hnba) and 4-biphenylcarboxylic acid (Hbiphen) for adsorptive removal of methyl orange from aqueous solution. <i>Polyhedron</i> , 2020, 192, 114819.	1.0	9
278	Ibuprofen uptake through dimethyl ethylenediamine modified MOF: optimization of the adsorption process by response surface methodology technique. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 1-14.	1.3	8
279	Efficient and selective adsorption of dye in aqueous environment employing a functional Zn(II)-based metal organic framework. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121740.	1.4	14
280	Highly Porous MIL-100(Fe) for the Hydrogen Evolution Reaction (HER) in Acidic and Basic Media. <i>ACS Omega</i> , 2020, 5, 18941-18949.	1.6	62
281	Design and applications of water-stable metal-organic frameworks: status and challenges. <i>Coordination Chemistry Reviews</i> , 2020, 423, 213507.	9.5	138
282	Adsorption of lead(II) and chromium(VI) from aqueous environment onto metal-organic framework MIL-100(Fe): Synthesis, kinetics, equilibrium and thermodynamics. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121636.	1.4	72
283	Development of Mn-PBA on GO sheets for adsorptive removal of ciprofloxacin from water: Kinetics, isothermal, thermodynamic and mechanistic studies. <i>Materials Chemistry and Physics</i> , 2020, 245, 122737.	2.0	62
284	De novo synthesis and particle size control of iron metal organic framework for diclofenac drug delivery. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110495.	2.2	29
285	Recent Advances in the Use of Metal-Organic Frameworks for Dye Adsorption. <i>Frontiers in Chemistry</i> , 2020, 8, 708.	1.8	80
286	Tunable Metallogels Based on Bifunctional Ligands: Precursor Metallogels, Spinel Oxides, Dye and CO <sub>2</sub> Adsorption. <i>ACS Omega</i> , 2020, 5, 17356-17366.	1.6	21
287	Rapid simultaneous adsorption and SERS detection of acid orange II using versatile gold nanoparticles decorated NH <sub>2</sub> -MIL-101(Cr). <i>Analytica Chimica Acta</i> , 2020, 1129, 126-135.	2.6	32
288	Silica-coated magnesium ferrite nanoadsorbent for selective removal of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125483.	2.3	20
289	Preparation and characterization of novel polyoxometalate/CoFe <sub>2</sub> O <sub>4</sub> /metal-organic framework magnetic core-shell nanocomposites for the rapid removal of organic dyes from water. <i>RSC Advances</i> , 2020, 10, 39881-39893.	1.7	40

#	ARTICLE	IF	CITATIONS
290	MOF-encapsulated nanozyme enhanced siRNA combo: Control neural stem cell differentiation and ameliorate cognitive impairments in Alzheimer's disease model. <i>Biomaterials</i> , 2020, 255, 120160.	5.7	118
291	Superior chemical stability of UiO-66 metal-organic frameworks (MOFs) for selective dye adsorption. <i>Chemical Engineering Journal</i> , 2020, 399, 125346.	6.6	305
292	A regenerated adsorbent by ultraviolet irradiation based on viscose fiber cloth/Cu <sup>2+</sup> -BTEC MOFs for methylene blue adsorption. <i>Chemical Papers</i> , 2020, 74, 4135-4139.	1.0	7
293	A remarkable increase in the adsorbed H <sub>2</sub> amount: Influence of pore size distribution on the H <sub>2</sub> adsorption capacity of Fe-BTC. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 12394-12407.	3.8	14
294	In situ modification of ZIF-67 with multi-sulfonated dyes for great enhanced methylene blue adsorption via synergistic effect. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110304.	2.2	43
295	Extraordinary adsorption of acidic fuchsine and malachite green onto cheap nano-adsorbent derived from eggshell. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1591-1602.	1.7	9
296	Metal-organic frameworks as adsorbents for sequestering organic pollutants from wastewater. <i>Materials Chemistry and Physics</i> , 2020, 253, 123246.	2.0	56
297	MOF-based polymeric nanocomposite beads as an efficient adsorbent for wastewater treatment in batch and continuous systems: Modelling and experiment. <i>Chemical Engineering Journal</i> , 2020, 400, 125862.	6.6	84
298	Adsorptive removal of tetracycline from water using Fe(III)-functionalized carbonized humic acid. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2689-2698.	1.7	15
299	What triggers dye adsorption by metal organic frameworks? The current perspectives. <i>Materials Advances</i> , 2020, 1, 1575-1601.	2.6	126
300	Ultrasonic-assisted synthesis of nano-sized metal-organic framework; a simple method to explore selective and fast Congo Red adsorption. <i>Ultrasonics Sonochemistry</i> , 2020, 69, 105246.	3.8	29
301	Iron-based porous metal-organic frameworks with crop nutritional function as carriers for controlled fungicide release. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 383-393.	5.0	66
302	Preparation and application of iron oxide/persimmon tannin/ graphene oxide nanocomposites for efficient adsorption of erbium from aqueous solution. <i>Journal of Rare Earths</i> , 2020, 38, 1344-1353.	2.5	24
303	Arsenic adsorption over dodecahedra ZIF-8 from solution aqueous: modelling, isotherms, kinetics and thermodynamics. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 855-871.	1.8	13
304	Activated Carbon-Metal Organic Framework Composite for the Adsorption of Contaminants of Emerging Concern from Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 2928-2940.	2.4	32
305	Ultrafast and simultaneous removal of anionic and cationic dyes by nanodiamond/LiO-66 hybrid nanocomposite. <i>Chemosphere</i> , 2020, 247, 125882.	4.2	56
306	Green synthesis of Sn(II)-BDC MOF: Preferential and efficient adsorption of anionic dyes. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110039.	2.2	86
307	Nanomaterial-based adsorbents for wastewater treatment. , 2020, , 467-485.		5

#	ARTICLE	IF	CITATIONS
308	Anthracene removal from water samples using a composite based on metal-organic-frameworks (MIL-101) and magnetic nanoparticles ( $\text{Fe}_3\text{O}_4$ ). <i>Nanotechnology</i> , 2020, 31, 195707.	1.3	15
309	In-situ growing of metal-organic frameworks on three-dimensional iron network as an efficient adsorbent for antibiotics removal. <i>Chemical Engineering Journal</i> , 2020, 392, 124844.	6.6	105
310	Synthesis and characterization of $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{MIL-100}(\text{Fe})$ nanocomposite: A nanocarrier for loading and release of celecoxib. <i>Journal of Molecular Liquids</i> , 2020, 307, 112996.	2.3	27
311	Ultra-sensitive SERS detection, rapid selective adsorption and degradation of cationic dyes on multifunctional magnetic metal-organic framework-based composite. <i>Nanotechnology</i> , 2020, 31, 315501.	1.3	24
312	Multicomponent transport model-based scaling up of long-term adsorptive filtration of MOF incorporated mixed matrix hollow fiber membrane: Treatment of textile effluent. <i>Chemical Engineering Journal</i> , 2021, 403, 125103.	6.6	24
313	Kinetic and thermodynamic studies of neutral dye removal from water using zirconium metal-organic framework analogues. <i>Materials Chemistry and Physics</i> , 2021, 258, 123924.	2.0	53
314	Fabrication strategies and Cr(VI) elimination activities of the MOF-derivatives and their composites. <i>Chemical Engineering Journal</i> , 2021, 405, 126648.	6.6	92
315	Boosted bisphenol A and Cr(VI) cleanup over Z-scheme $\text{WO}_3/\text{MIL-100}(\text{Fe})$ composites under visible light. <i>Journal of Cleaner Production</i> , 2021, 279, 123408.	4.6	92
316	Insights into methyl orange adsorption behavior on a cadmium zeolitic-imidazolate framework Cd-ZIF-8: A joint experimental and theoretical study. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102897.	2.3	25
317	Synthesis of the magnetic core-shell metallic and metallic metal-organic framework nanocomposites for dye adsorption. <i>Water Environment Research</i> , 2021, 93, 906-920.	1.3	8
318	Design and application of metal-organic frameworks and derivatives as heterogeneous Fenton-like catalysts for organic wastewater treatment: A review. <i>Environment International</i> , 2021, 146, 106273.	4.8	117
319	Magnetic $\text{Fe}_3\text{O}_4@ \text{UiO-66}$ nanocomposite for rapid adsorption of organic dyes from aqueous solution. <i>Journal of Molecular Liquids</i> , 2021, 322, 114910.	2.3	97
320	Plasmonic $\text{Ag}/\text{AgCl}/\text{NH}_2\text{-MIL-88B}(\text{Fe})$ inorganic-organic hybridized heterojunction as visible-light-driven photocatalyst for hexavalent chromium reduction. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158195.	2.8	31
321	Ultra-High-Capacity Adsorption of Rhodamine B in a Carboxyl-Functionalized Metal-Organic Framework via Surface Adsorption. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 669-676.	1.0	30
322	Preparation of a Dual-MOF Heterostructure (ZIF@MIL) for Enhanced Oxygen Evolution Reaction Activity. <i>Chemistry - an Asian Journal</i> , 2021, 16, 64-71.	1.7	16
323	Aluminum-based metal-organic frameworks for adsorptive removal of anti-cancer (methotrexate) drug from aqueous solutions. <i>Journal of Environmental Management</i> , 2021, 277, 111448.	3.8	59
324	Preparation of MIL-100 via a novel water-based heatless synthesis technique for the effective remediation of phenoxyacetic acid-based pesticide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104923.	3.3	27
325	A novel approach to prepare $\text{Cu}(\text{I})\text{Zn}@\text{MIL-100}(\text{Fe})$ adsorbent with high $\text{CO}$ adsorption capacity, $\text{CO}/\text{CO}_2$ selectivity and stability via controlled host-guest redox reaction. <i>Chemical Engineering Journal</i> , 2021, 404, 126492.	6.6	34

#	ARTICLE	IF	CITATIONS
326	Mussel-inspired polydopamine decorated pomelo peel as a durable biosorbent for adsorption of cationic dyes. <i>Cellulose</i> , 2021, 28, 453-470.	2.4	22
327	An Adsorption-Catalysis Pathway toward Sustainable Application of Mesoporous Carbon Nanospheres for Efficient Environmental Remediation. <i>ACS ES&amp;T Water</i> , 2021, 1, 145-156.	2.3	21
328	Synthesis of Poly(cyclotriphosphazene-co-3,3'-sulfonyldianilide) Microspheres and Their Adsorption of Anionic (Congo Red) Dye. <i>Heterocycles</i> , 2021, 102, 231.	0.4	1
329	Highly Stable Mn-Doped Metal-Organic Framework Fenton-Like Catalyst for the Removal of Wastewater Organic Pollutants at All Light Levels. <i>ACS Omega</i> , 2021, 6, 2949-2955.	1.6	21
330	Dye Removal From Waste Water Using Metal Organic Frameworks. , 2021, , 375-394.		5
331	Influence of carbohydrate polymer shaping on organic dye adsorption by a metal-organic framework in water. <i>RSC Advances</i> , 2021, 11, 23707-23713.	1.7	9
332	Adsorption of Malachite Green and Alizarin Red S Dyes Using Fe-BTC Metal Organic Framework as Adsorbent. <i>International Journal of Molecular Sciences</i> , 2021, 22, 788.	1.8	66
333	Experimental investigations into the irregular synthesis of iron(III) terephthalate metal-organic frameworks MOF-235 and MIL-101. <i>Dalton Transactions</i> , 2021, 50, 4976-4985.	1.6	12
334	Metal-Organic Frameworks for Liquid Phase Applications. <i>Advanced Science</i> , 2021, 8, 2003143.	5.6	21
335	Fabrication of a metal-organic framework composite for removal of Aflatoxin B1 from water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104966.	3.3	22
336	Recent advances in the synthesis of monolithic metal-organic frameworks. <i>Science China Materials</i> , 2021, 64, 1305-1319.	3.5	77
337	Synthesis of a copper (II) metal-organic framework for photocatalytic degradation of rhodamine B dye in water. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40835-40843.	2.7	35
338	Microporous Cd(II) Metal-Organic Framework for CO <sub>2</sub> Catalysis, Luminescent Sensing, and Absorption of Methyl Green. <i>Crystal Growth and Design</i> , 2021, 21, 2734-2743.	1.4	29
339	Elucidation of selective adsorption study of Congo red using new Cadmium(II) metal-organic frameworks: Adsorption kinetics, isotherm and thermodynamics. <i>Journal of Solid State Chemistry</i> , 2021, 296, 121929.	1.4	16
340	Double-solvent-assisted synthesis of bimetallic CuFe-incorporated MIL-101(Cr) for improved CO <sub>2</sub> -adsorption performance and oxygen-resistant stability. <i>Applied Surface Science</i> , 2021, 546, 149087.	3.1	23
341	Detection of tetracycline antibiotics in water by dispersive micro-solid phase extraction using Fe <sub>3</sub> O <sub>4</sub> @[Cu <sub>3</sub> (btc) <sub>2</sub> ] magnetic composite combined with liquid chromatography-tandem mass spectrometry. <i>Chinese Journal of Chemical Physics</i> , 2021, 34, 238-248.	0.6	6
342	Decoration of Fe <sup>3+</sup> on carboxyl microporous organic network to fabricate magnetic porous carbon for efficient adsorption and removal of cationic dyes. <i>Chemical Engineering Journal Advances</i> , 2021, 6, 100092.	2.4	7
343	Supramolecular control of MOF pore properties for the tailored guest adsorption/separation applications. <i>Coordination Chemistry Reviews</i> , 2021, 434, 213709.	9.5	141

#	ARTICLE	IF	CITATIONS
345	Highly Efficient Hydrogenation of Furfural to Furfuryl Alcohol Catalyzed by Pt Supported on Bi-Metallic MIL-100 (Fe, Mn/Co) MOFs Derivates Prepared by Hydrothermal Polyol Reduction Method. <i>Catalysis Letters</i> , 0, , 1.	1.4	6
346	Targeted Thrombolytic Therapy with Metal-Organic-Framework-Derived Carbon Based Platforms with Multimodal Capabilities. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24453-24462.	4.0	11
347	Efficient capture of ReO <sub>4</sub> <sup>-</sup> on magnetic amine-functionalized MIL-101(Cr): Revealing from selectivity to mechanism. <i>Science of the Total Environment</i> , 2021, 771, 144840.	3.9	29
348	Water stable SiO <sub>2</sub> -coated Fe-MOF-74 for aqueous dimethyl phthalate degradation in PS activated medium. <i>Journal of Hazardous Materials</i> , 2021, 411, 125194.	6.5	46
349	A review of graphene-oxide/metal-organic framework composites materials: characteristics, preparation and applications. <i>Journal of Porous Materials</i> , 2021, 28, 1837-1865.	1.3	36
350	Adsorptive removal of different pollutants using metal-organic framework adsorbents. <i>Journal of Molecular Liquids</i> , 2021, 333, 115593.	2.3	85
351	Efficient removal of tetracycline by a hierarchically porous ZIF-8 metal organic framework. <i>Environmental Research</i> , 2021, 198, 111254.	3.7	63
352	Imidazole modified acrylate-containing photocured hydrogels for the efficient removal of malachite green dye from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51415.	1.3	3
353	Fe <sub>3</sub> O <sub>4</sub> @PAA@UiO-66-NH <sub>2</sub> magnetic nanocomposite for selective adsorption of Quercetin. <i>Chemosphere</i> , 2021, 275, 130087.	4.2	47
354	Polyethersulfone ultrafiltration membrane incorporated with ferric-based metal-organic framework for textile wastewater treatment. <i>Separation and Purification Technology</i> , 2021, 270, 118819.	3.9	62
355	Room-temperature synthesis of MIL-100(Fe) and its adsorption performance for fluoride removal from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126791.	2.3	39
356	Insights into metal-organic frameworks HKUST-1 adsorption performance for natural organic matter removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2022, 424, 126918.	6.5	25
357	Recent progress in the removal of mercury ions from water based MOFs materials. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214034.	9.5	93
358	Adsorptive removal of pesticides from water with metal-organic framework-based materials. <i>Chemical Engineering Journal</i> , 2021, 421, 129688.	6.6	92
359	Solvent and catalyst free preparation of sulfonic acid functionalized magnetic covalent organic polymer as efficient adsorbent for malachite green removal. <i>Journal of Water Process Engineering</i> , 2021, 43, 102306.	2.6	9
360	Facile synthesis of MIL-100 metal-organic framework via heatless technique for the adsorptive treatment of cationic and anionic pollutants. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103359.	2.3	6
361	Plasma modification of Fe-MOF for efficient organic pollutants removal. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122350.	1.4	19
362	A new type of porous Zn (II) metal-organic gel designed for effective adsorption to methyl orange dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127335.	2.3	29

#	ARTICLE	IF	CITATIONS
363	Effective utilization of Fe(III)-based metal organic framework-coated cellulose paper for highly efficient elimination from the liquid phase of paracetamol as a pharmaceutical pollutant. <i>Environmental Technology and Innovation</i> , 2021, 24, 101799.	3.0	11
364	Chem-inspired synthesis of injectable metal-organic hydrogels for programmable drug carriers, hemostasis and synergistic cancer treatment. <i>Chemical Engineering Journal</i> , 2021, 423, 130202.	6.6	17
365	Needle-trap device packed with the MIL-100(Fe) metal-organic framework for the extraction of the airborne organochlorine pesticides. <i>Microchemical Journal</i> , 2021, 171, 106866.	2.3	12
366	Removal of organic pollutants from aqueous solution using metal organic frameworks (MOFs)-based adsorbents: A review. <i>Chemosphere</i> , 2021, 284, 131393.	4.2	131
367	A novel granular MOF composite with dense and ordered MIL-100(Fe) nanoparticles grown on porous alumina: Green synthesis and enhanced adsorption of tetracycline hydrochloride. <i>Chemical Engineering Journal</i> , 2021, 426, 131724.	6.6	40
368	Applications of water-stable metal-organic frameworks in the removal of water pollutants: A review. <i>Environmental Pollution</i> , 2021, 291, 118076.	3.7	304
369	Adsorptive removal of dyes from wastewater using a metal-organic framework: A review. <i>Chemosphere</i> , 2021, 284, 131314.	4.2	230
370	Adsorption potentials of iron-based metal-organic framework for methyl orange removal: batch and fixed-bed column studies. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 3597-3612.	1.8	13
371	Influence of solvent structure and hydrogen bonding on catalysis at solid-liquid interfaces. <i>Chemical Society Reviews</i> , 2021, 50, 12308-12337.	18.7	53
373	Two-Fold Homointerpenetrated Metal-Organic Framework with the Potential for Anticancer Drug Loading Using Computational Simulations. <i>Crystal Growth and Design</i> , 2021, 21, 6402-6410.	1.4	7
374	A novel Fe-based bi-MOFs material for photocatalytic degradation of tetracycline: Performance, mechanism and toxicity assessment. <i>Journal of Water Process Engineering</i> , 2021, 44, 102364.	2.6	22
375	Tá»ng há»p vÃ nghiÃn cá»u hoÃt tÃnh xÃc tÃc phÃn há»y rhodamine B cá»a vá»t liá»u ZIF-67 dÃ»i sá»± hiá»u diá»n cá»o peroxymonosulfate. <i>Tap Chi Khoa Hoc = Journal of Science</i> , 2019, TÃc t p 55, SÃ 1-3, 1.	0.1	0
376	Carbon black supported on a Mn-MIL-100 framework as high-efficiency electrocatalysts for nitrophenol reduction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 903, 115824.	1.9	8
377	Central Composite Design Based Adsorption Study of Malachite Green Dye Using Reduced Graphene Oxide Nano-Adsorbent. <i>Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences</i> , 2021, 64, 195-205.	0.2	0
378	Facile and scalable preparation of ZIF-67 decorated cotton fibers as recoverable and efficient adsorbents for removal of malachite green. <i>Journal of Leather Science and Engineering</i> , 2021, 3, .	2.7	29
379	Cobalt doped Fe-Mn@CNTs catalysts with highly stability for low-temperature selective catalytic reduction of NOx. <i>Nano Research</i> , 2022, 15, 3001-3009.	5.8	9
380	In-situ forming Sub-2Ånm hydrous iron oxide particles in MOFs for deep-treatment and high anti-interference in arsenic removal. <i>Chemical Engineering Journal</i> , 2022, 431, 133813.	6.6	8
381	Symbiotically Augmented removal of Congo red by polyaniline/cobalt sulfide/graphite composites. <i>Materials Chemistry and Physics</i> , 2022, 278, 125487.	2.0	6

#	ARTICLE	IF	CITATIONS
382	Recent Progress in Adsorptive Removal of Water Pollutants by Metal-Organic Frameworks. <i>ChemNanoMat</i> , 2022, 8, .	1.5	16
383	Rapid oxidation of 4-cholorphenol in the iron-based Metal-Organic frameworks (MOFs)/H <sub>2</sub> O <sub>2</sub> system: The ignored two-steps interfacial single-electron transfer. <i>Separation and Purification Technology</i> , 2022, 286, 120420.	3.9	3
384	Effect of surface modification on SAPO-34 loading on ZSM-5 film for MTA reaction. <i>Microporous and Mesoporous Materials</i> , 2022, 332, 111663.	2.2	2
385	Synthesis, modifications and applications of MILs Metal-organic frameworks for environmental remediation: The cutting-edge review. <i>Science of the Total Environment</i> , 2022, 810, 152279.	3.9	28
386	Adsorptive removal of organic dyes via porous materials for wastewater treatment in recent decades: A review on species, mechanisms and perspectives. <i>Chemosphere</i> , 2022, 293, 133464.	4.2	146
387	Green sulfidated iron oxide nanocomposites for efficient removal of Malachite Green and Rhodamine B from aqueous solution. <i>Water Science and Technology</i> , 2022, 85, 1202-1217.	1.2	2
388	Dye contaminated wastewater treatment through metal-organic framework (MOF) based materials. <i>New Journal of Chemistry</i> , 2022, 46, 3054-3072.	1.4	24
389	Development of core-satellite-shell structured MNP@Au@MIL-100(Fe) substrates for surface-enhanced Raman spectroscopy and their applications in trace level determination of malachite green in prawn. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 682-693.	1.2	22
390	Highly Enhanced Congo Red Sorption of New Functionalized Porous Eu(III)-Organic Framework by the Insertion of Sulfonate Groups. <i>Crystal Growth and Design</i> , 0, , .	1.4	6
391	One-step preparation of hydroxyapatite-loaded magnetic Polycaprolactone hollow microspheres for malachite green adsorption by Pickering emulsion template method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128347.	2.3	9
392	Coordination Polymers in Adsorptive Remediation of Environmental Contaminants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
393	Fine-tuning the dye adsorption capacity of UiO-66 by a mixed-ligand approach. <i>Heliyon</i> , 2022, 8, e08961.	1.4	14
394	Insights into the highly efficient treatment of dyeing wastewater using algal bloom derived activated carbon with wide-range adaptability to solution pH and temperature. <i>Bioresource Technology</i> , 2022, 349, 126883.	4.8	6
395	Activated metal-organic frameworks (a-MIL-100 (Fe)) as fillers in polymer electrolyte for high-performance all-solid-state lithium metal batteries. <i>Materials Today Communications</i> , 2022, 31, 103518.	0.9	23
396	Highly efficient adsorption of malachite green dye onto a cross-linked pH-responsive cycloterpolymer resin: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2022, 357, 119115.	2.3	24
397	Adsorption and reusability performance of hierarchically porous silica (MMZ) for the removal of MB dye from water. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109380.	1.8	20
398	A review of heavy metals™ removal from aqueous matrices by Metal-Organic Frameworks (MOFs): State-of-the art and recent advances. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107394.	3.3	51
399	Lignin-inspired porous polymer networks as high-performance adsorbents for the efficient removal of malachite green dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128760.	2.3	14

#	ARTICLE	IF	CITATIONS
400	Metal-Organic Framework and Its Nanocomposites as Chemical Sensors. ACS Symposium Series, 0, , 83-124.	0.5	3
401	Cationic Zr-based metal-organic framework via post-synthetic alkylation for selective adsorption and separation of anionic dyes. Materials Today Chemistry, 2022, 24, 100897.	1.7	6
402	Insights of the adsorbents surface chemical properties effect on water adsorption isotherms. International Journal of Heat and Mass Transfer, 2022, 192, 122842.	2.5	11
403	Potential of MOF-based novel adsorbents for the removal of aquatic pollutants. , 2022, , 29-47.		0
404	Effect of H <sub>2</sub> O/DMF mixed solvents on formation of MIL-100(Fe) and dye adsorption. Journal of Solid State Chemistry, 2022, 312, 123248.	1.4	2
405	Improving Water Quality Using Metal-Organic Frameworks. ACS Symposium Series, 0, , 171-191.	0.5	8
406	Applications of Metal-Organic Frameworks in Wastewater Treatment and Gas Separation and Purification. ACS Symposium Series, 0, , 271-337.	0.5	0
407	Metal-Organic Frameworks for Water Treatment. ACS Symposium Series, 0, , 125-154.	0.5	1
408	Synthesis of Crown Ether-Based Microporous Organic Networks: A New Type of Efficient Adsorbents for Chlorophenols. SSRN Electronic Journal, 0, , .	0.4	0
409	Parametric Study of Methyl Orange Removal Using Metal-Organic Frameworks Based on Factorial Experimental Design Analysis. Energies, 2022, 15, 4642.	1.6	4
410	Evaluation of the High Metals-Containing Coal Gasification Fine Slag as a High-Performance Adsorbent for Malachite Green Adsorption. Waste and Biomass Valorization, 2022, 13, 4897-4909.	1.8	7
411	Recent developments in MOF and MOF based composite as potential adsorbents for removal of aqueous environmental contaminants. Chemosphere, 2022, 304, 135261.	4.2	34
412	Facile Sonochemical Synthesis of Flexible Fe-Based Metal-Organic Frameworks and Their Efficient Removal of Organic Contaminants from Aqueous Solutions. ACS Omega, 2022, 7, 23213-23222.	1.6	22
413	Synthesis of reusable NH <sub>2</sub> -MIL-125(Ti)@polymer monolith as efficient adsorbents for dyes wastewater remediation. Green Chemical Engineering, 2023, 4, 439-447.	3.3	6
414	Coordination polymers in adsorptive remediation of environmental contaminants. Coordination Chemistry Reviews, 2022, 470, 214694.	9.5	16
415	Alternating spin-and-spray electrospun scaffold membranes with fractionated MIL-101(Cr) adsorbent for high-performance single-pass dye adsorption process. Chemical Engineering Journal, 2022, 450, 137963.	6.6	9
416	Metal-Organic Frameworks for Wastewater Decontamination: Discovering Intellectual Structure and Research Trends. Materials, 2022, 15, 5053.	1.3	8
417	Insights into High-Performance and Selective Elimination of Cationic Dye from Multicomponent Systems by Using Fe-Based Metal-Organic Frameworks. Langmuir, 2022, 38, 9400-9409.	1.6	13



#	ARTICLE	IF	CITATIONS
418	Fabrication of Graphene-Based TiO <sub>2</sub> @CeO <sub>2</sub> and CeO <sub>2</sub> @TiO <sub>2</sub> Core-Shell Heterostructures for Enhanced Photocatalytic Activity and Cytotoxicity. ACS Omega, 2022, 7, 30601-30621.	1.6	18
419	Enhancement Properties of Zr Modified Porous Clay Heterostructures for Adsorption of Basic-Blue 41 Dye: Equilibrium, Regeneration, and Single Batch Design Adsorber. Materials, 2022, 15, 5567.	1.3	1
420	ZIF-8/Chitosan hybrid nanoparticles with tunable morphologies as superior adsorbents towards both anionic and cationic dyes for a broad range of acidic and basic environments. Microporous and Mesoporous Materials, 2022, 343, 112149.	2.2	17
421	Morphological diversity effect of graphene quantum dot/MIL88A(Fe) composites on dye and pharmaceuticals (tetracycline and doxycycline) removal. Journal of Environmental Chemical Engineering, 2022, 10, 108321.	3.3	21
422	Comparative removal of hazardous cationic dyes by MOF-5 and modified graphene oxide. Scientific Reports, 2022, 12, .	1.6	15
423	Resource mining from stainless steel pickling wastewater to produce metal-organic frameworks. Resources, Conservation and Recycling, 2023, 188, 106647.	5.3	25
424	MIL-100(Fe) a potent adsorbent of Dacarbazine: Experimental and molecular docking simulation. Chemical Engineering Journal, 2023, 452, 138987.	6.6	33
425	A novel SERS substrate of MIL-100(Fe)/AgNFs for sensitive detection of ascorbic acid in cellular media. RSC Advances, 2022, 12, 24101-24106.	1.7	0
426	Boron doping positively enhances the catalytic activity of carbon materials for the removal of bisphenol A. RSC Advances, 2022, 12, 21780-21792.	1.7	3
427	Hybrid Nanoarchitectonics with Cr, Fe-MOF/ Graphene Nanocomposite for Removal of Organic Sulfur Compounds from Diesel Fuel. Journal of Inorganic and Organometallic Polymers and Materials, 2023, 33, 254-265.	1.9	2
428	Enhanced sequestration of an acidic dye on novel bimetallic metal-organic framework. Journal of Dispersion Science and Technology, 2023, 45, 107-116.	1.3	3
429	Defect-rich covalently-crosslinked UiO-66(Zr)-NH <sub>2</sub> /PVC adsorption ultrafiltration membrane for effective phosphate ions removal from water. Journal of the Taiwan Institute of Chemical Engineers, 2022, 141, 104575.	2.7	7
430	Synthesis of crown ether-based microporous organic networks: A new type of efficient adsorbents for chlorophenols. Journal of Hazardous Materials, 2023, 443, 130268.	6.5	9
431	A dual-mode of electrochemical-colorimetric biosensing platform for kanamycin detection based on self-sacrifice beacon and magnetic separation technique. Analytica Chimica Acta, 2022, 1236, 340590.	2.6	9
432	Metal-Organic Framework-Based Biosensing Platforms for the Sensitive Determination of Trace Elements and Heavy Metals: A Comprehensive Review. Industrial & Engineering Chemistry Research, 2023, 62, 4611-4627.	1.8	15
433	Removal of heavy metals and dyes from its aqueous solution utilizing metal organic Frameworks (MOFs): Review. Materials Today: Proceedings, 2023, 77, 188-200.	0.9	6
434	Critical analysis of the role of various iron-based heterogeneous catalysts for advanced oxidation processes: A state of the art review. Journal of Molecular Liquids, 2023, 374, 121259.	2.3	10
435	Nature-Inspired Photoactive Metal-Organic Framework Nanofiber Filters for Oil-Water Separation: Conserving Successive Flux, Rejection, and Antifouling. Industrial & Engineering Chemistry Research, 2023, 62, 1085-1098.	1.8	1

#	ARTICLE	IF	CITATIONS
436	Overview on multicomponent ceramic composite materials used for efficient photocatalysis – An update. <i>Journal of the Indian Chemical Society</i> , 2023, , 100908.	1.3	0
437	CeO <sub>2</sub> /ZIF-9 composites as a heterogeneous catalyst for peroxydisulfate activation to degrade methylene blue. <i>Research on Chemical Intermediates</i> , 2023, 49, 3161-3180.	1.3	2
438	Derivative carbon particles with different sizes from ZIF-8 and their adsorption capacity for MB. <i>Journal of Materials Science</i> , 2023, 58, 2552-2569.	1.7	2
439	Metal-organic frameworks (MOFs) as efficient catalysts for electro-Fenton (EF) reactions: Current progress and prospects. <i>Chemical Engineering Journal</i> , 2023, 463, 142287.	6.6	9
440	Synthesis of Fe,Mn-Cporous/CF and its application as cathode for electro-Fenton decomposition of organics in water: A comprehensive study. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109698.	3.3	2
441	Hierarchically porous MIL-100(Fe) with large mesopores for cationic dye adsorption. <i>Journal of Solid State Chemistry</i> , 2023, 322, 123950.	1.4	5
442	Efficient recovery of phosphate by Fe <sub>3</sub> O <sub>4</sub> /La-MOF: An insight of adsorption performance and mechanism from electrochemical properties. <i>Separation and Purification Technology</i> , 2023, 314, 123529.	3.9	22
443	A comprehensive review of recent advances in the synthesis and application of metal-organic frameworks (MOFs) for the adsorptive sequestration of pollutants from wastewater. <i>Separation and Purification Technology</i> , 2023, 311, 123246.	3.9	30
444	Synthesis and photocatalytic activity of highly efficient NiFe <sub>2</sub> O <sub>4</sub> /r-GO based photocatalyst. <i>Journal of Dispersion Science and Technology</i> , 2024, 45, 768-779.	1.3	1
445	ZIF-8@Rhodamine B as a Self-Reporting Material for Pollutant Extraction Applications. <i>Nanomaterials</i> , 2023, 13, 842.	1.9	1
446	Concentration and LBL cycle evolution to the Cu-BTC metal organic framework: Optimization as functional layer to the solar cell devices. <i>Solar Energy</i> , 2023, 253, 175-186.	2.9	3
447	Research on Improved MOF Materials Modified by Functional Groups for Purification of Water. <i>Molecules</i> , 2023, 28, 2141.	1.7	3
448	Bifunctional Zn Coordination Polymers for High-Performance Fluorescence Turn-On Detection of L-Glutamate and Adsorption of Malachite Green in Aqueous Medium. <i>Crystal Growth and Design</i> , 2023, 23, 2455-2462.	1.4	3
449	Nanoconfined MXene-MOF Nanolaminate Film for Molecular Removal/Collection and Multiple Sieving. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 17222-17232.	4.0	9
450	Pillared Layer Metal-Organic Frameworks (MOFs) for Photodegradation of Methyl Orange in Wastewater. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	5
451	Continuous and ultrafast MOF synthesis using droplet microfluidic nanoarchitectonics. <i>Journal of Materials Chemistry A</i> , 2023, 11, 9427-9435.	5.2	7
452	MIL-100 (Fe) integrated fibrous polyvinyl alcohol graft on cellulose acetate towards the development of green membranes; Application in multi solute rejection. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109851.	3.3	4
453	Combining hierarchical pores and unsaturated sites into Quasi-MIL-125(Ti) for ultra-fast and efficient adsorption of cationic dyes. <i>Polyhedron</i> , 2023, 239, 116430.	1.0	5

#	ARTICLE	IF	CITATIONS
454	Iron-Based Modified Nanomaterials for the Efficacious Treatment of Cr(VI) Containing Wastewater: A Review. Energy, Environment, and Sustainability, 2023, , 299-331.	0.6	1