Timur Islamoglu

List of Publications by Year
in descending order

143 papers	11,262 citations	18482 62 h-index	32842 100 g-index
148 all docs	148 docs citations	148 times ranked	9793 citing authors

#	Article	IF	Citations
1	Metalâ€“organic frameworks for the removal of toxic industrial chemicals and chemical warfare agents. Chemical Society Reviews, 2017, 46, 3357-3385.	38.1	707
2	Postsynthetic Tuning of Metalâ€“Organic Frameworks for Targeted Applications. Accounts of Chemical Research, 2017, 50, 805-813.	15.6	644
3	Balancing volumetric and gravimetric uptake in highly porous materials for clean energy. Science, 2020, 368, 297-303.	12.6	429
4	Metalâ€“Organic Frameworks against Toxic Chemicals. Chemical Reviews, 2020, 120, 8130-8160.	47.7	406
5	Room-Temperature Synthesis of UiO-66 and Thermal Modulation of Densities of Defect Sites. Chemistry of Materials, 2017, 29, 1357-1361.	6.7	346
6	Reticular chemistry in the rational synthesis of functional zirconium cluster-based MOFs. Coordination Chemistry Reviews, 2019, 386, 32-49.	18.8	326
7	Copper(I)-Catalyzed Synthesis of Nanoporous Azo-Linked Polymers: Impact of Textural Properties on Gas Storage and Selective Carbon Dioxide Capture. Chemistry of Materials, 2014, 26, 1385-1392.	6.7	276
8	Energy-based descriptors to rapidly predict hydrogen storage in metalâ€“organic frameworks. Molecular Systems Design and Engineering, 2019, 4, 162-174.	3.4	179
9	Zirconium-Based Metalâ€“Organic Frameworks for the Catalytic Hydrolysis of Organophosphorus Nerve Agents. ACS Applied Materials & Interfaces, 2020, 12, 14702-14720.	8.0	175
10	A porous, electrically conductive hexa-zirconium(<scp>iv</scp>) metalâ€“organic framework. Chemical Science, 2018, 9, 4477-4482.	7.4	158
11	A Flexible Metalâ€“Organic Framework with 4-Connected Zr₆ Nodes. Journal of the American Chemical Society, 2018, 140, 11179-11183.	13.7	158
12	Tuning the Surface Chemistry of Metal Organic Framework Nodes: Proton Topology of the Metal-Oxide-Like Zr₆ Nodes of UiO-66 and NU-1000. Journal of the American Chemical Society, 2016, 138, 15189-15196.	13.7	155
13	Reticular Access to Highly Porous acs-MOFs with Rigid Trigonal Prismatic Linkers for Water Sorption. Journal of the American Chemical Society, 2019, 141, 2900-2905.	13.7	150
14	Scalable and Template-Free Aqueous Synthesis of Zirconium-Based Metalâ€“Organic Framework Coating on Textile Fiber. Journal of the American Chemical Society, 2019, 141, 15626-15633.	13.7	148
15	Benchmark Study of Hydrogen Storage in Metalâ€“Organic Frameworks under Temperature and Pressure Swing Conditions. ACS Energy Letters, 2018, 3, 748-754.	17.4	147
16	Zirconium Metalâ€“Organic Frameworks for Organic Pollutant Adsorption. Trends in Chemistry, 2019, 1, 304-317.	8.5	147
17	Highly Selective CO₂ Capture by Triazine-Based Benzimidazole-Linked Polymers. Macromolecules, 2014, 47, 8328-8334.	4.8	141
18	A historical perspective on porphyrin-based metalâ€“organic frameworks and their applications. Coordination Chemistry Reviews, 2021, 429, 213615.	18.8	140

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19	Computer-aided discovery of a metalâ€“organic framework with superior oxygen uptake. Nature Communications, 2018, 9, 1378.	12.8	136
20	Revisiting the structural homogeneity of NU-1000, a Zr-based metalâ€“organic framework. CrystEngComm, 2018, 20, 5913-5918.	2.6	136
21	Cerium(IV) vs Zirconium(IV) Based Metalâ€“Organic Frameworks for Detoxification of a Nerve Agent. Chemistry of Materials, 2017, 29, 2672-2675.	6.7	135
22	Impact of post-synthesis modification of nanoporous organic frameworks on small gas uptake and selective CO2 capture. Journal of Materials Chemistry A, 2013, 1, 10259.	10.3	134
23	Targeted synthesis of a mesoporous triptycene-derived covalent organic framework. CrystEngComm, 2013, 15, 1524-1527.	2.6	131
24	Topology and porosity control of metalâ€“organic frameworks through linker functionalization. Chemical Science, 2019, 10, 1186-1192.	7.4	129
25	Efficient Capture of Perrhenate and Pertechnetate by a Mesoporous Zr Metalâ€“Organic Framework and Examination of Anion Binding Motifs. Chemistry of Materials, 2018, 30, 1277-1284.	6.7	125
26	Presence versus Proximity: The Role of Pendant Amines in the Catalytic Hydrolysis of a Nerve Agent Simulant. Angewandte Chemie - International Edition, 2018, 57, 1949-1953.	13.8	121
27	Benign by Design: Green and Scalable Synthesis of Zirconium UiO-Metalâ€“Organic Frameworks by Water-Assisted Mechanochemistry. ACS Sustainable Chemistry and Engineering, 2018, 6, 15841-15849.	6.7	120
28	Detoxification of a Sulfur Mustard Simulant Using a BODIPY-Functionalized Zirconium-Based Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 24555-24560.	8.0	112
29	Vanadium Catalyst on Isostructural Transition Metal, Lanthanide, and Actinide Based Metalâ€“Organic Frameworks for Alcohol Oxidation. Journal of the American Chemical Society, 2019, 141, 8306-8314.	13.7	112
30	Integration of Metalâ€“Organic Frameworks on Protective Layers for Destruction of Nerve Agents under Relevant Conditions. Journal of the American Chemical Society, 2019, 141, 20016-20021.	13.7	106
31	Zirconium-Based Metalâ€“Organic Frameworks for the Removal of Protein-Bound Uremic Toxin from Human Serum Albumin. Journal of the American Chemical Society, 2019, 141, 2568-2576.	13.7	105
32	Tuning the Properties of Zr₆O₈ Nodes in the Metal Organic Framework UiO-66 by Selection of Node-Bound Ligands and Linkers. Chemistry of Materials, 2019, 31, 1655-1663.	6.7	97
33	Observation of reduced thermal conductivity in a metal-organic framework due to the presence of adsorbates. Nature Communications, 2020, 11, 4010.	12.8	97
34	Metalâ€“organic frameworks: A tunable platform to access single-site heterogeneous catalysts. Applied Catalysis A: General, 2019, 586, 117214.	4.3	96
35	Exploiting Ï€â€“Ï€ Interactions to Design an Efficient Sorbent for Atrazine Removal from Water. ACS Applied Materials & Interfaces, 2019, 11, 6097-6103.	8.0	96
36	Selective Metalâ€“Organic Framework Catalysis of Glucose to 5-Hydroxymethylfurfural Using Phosphate-Modified NU-1000. Industrial & Engineering Chemistry Research, 2017, 56, 7141-7148.	3.7	95

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37	Structural Diversity of Zirconium Metalâ€“Organic Frameworks and Effect on Adsorption of Toxic Chemicals. Journal of the American Chemical Society, 2020, 142, 21428-21438.	13.7	95
38	Lignin-derived heteroatom-doped porous carbons for supercapacitor and CO₂ capture applications. International Journal of Energy Research, 2018, 42, 2686-2700.	4.5	94
39	A cost-effective synthesis of heteroatom-doped porous carbons as efficient CO₂ sorbents. Journal of Materials Chemistry A, 2016, 4, 14693-14702.	10.3	90
40	Tailoring Pore Aperture and Structural Defects in Zirconium-Based Metalâ€“Organic Frameworks for Krypton/Xenon Separation. Chemistry of Materials, 2020, 32, 3776-3782.	6.7	89
41	Post-Synthetically Elaborated BODIPY-Based Porous Organic Polymers (POPs) for the Photochemical Detoxification of a Sulfur Mustard Simulant. Journal of the American Chemical Society, 2020, 142, 18554-18564.	13.7	88
42	Benzothiazole- and benzoxazole-linked porous polymers for carbon dioxide storage and separation. Journal of Materials Chemistry A, 2017, 5, 258-265.	10.3	87
43	Application of pyrene-derived benzimidazole-linked polymers to CO₂ separation under pressure and vacuum swing adsorption settings. Journal of Materials Chemistry A, 2014, 2, 12492-12500.	10.3	85
44	Synthesis and evaluation of porous azo-linked polymers for carbon dioxide capture and separation. Journal of Materials Chemistry A, 2015, 3, 20586-20594.	10.3	84
45	Fiber Composites of Metalâ€“Organic Frameworks. Chemistry of Materials, 2020, 32, 7120-7140.	6.7	82
46	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	21.0	82
47	Room Temperature Synthesis of an 8-Connected Zr-Based Metalâ€“Organic Framework for Top-Down Nanoparticle Encapsulation. Chemistry of Materials, 2018, 30, 2193-2197.	6.7	80
48	From Transition Metals to Lanthanides to Actinides: Metal-Mediated Tuning of Electronic Properties of Isostructural Metalâ€“Organic Frameworks. Inorganic Chemistry, 2018, 57, 13246-13251.	4.0	80
49	Noninvasive Substitution of K⁺ Sites in Cyclodextrin Metalâ€“Organic Frameworks by Li⁺ Ions. Journal of the American Chemical Society, 2017, 139, 11020-11023.	13.7	79
50	NanoMOFs: little crystallites for substantial applications. Journal of Materials Chemistry A, 2018, 6, 7338-7350.	10.3	79
51	Efficient Removal of Per- and Polyfluoroalkyl Substances from Water with Zirconium-Based Metalâ€“Organic Frameworks. Chemistry of Materials, 2021, 33, 3276-3285.	6.7	79
52	Fine-Tuning a Robust Metalâ€“Organic Framework toward Enhanced Clean Energy Gas Storage. Journal of the American Chemical Society, 2021, 143, 18838-18843.	13.7	79
53	Enhanced Activity of Heterogeneous Pd(II) Catalysts on Acid-Functionalized Metalâ€“Organic Frameworks. ACS Catalysis, 2019, 9, 5383-5390.	11.2	77
54	Enhanced Carbon Dioxide Capture from Landfill Gas Using Bifunctionalized Benzimidazole-Linked Polymers. ACS Applied Materials & Interfaces, 2016, 8, 14648-14655.	8.0	76

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55	Controlling the Polymorphism and Topology Transformation in Porphyrinic Zirconium Metalâ€“Organic Frameworks via Mechanochemistry. Journal of the American Chemical Society, 2019, 141, 19214-19220.	13.7	73
56	Systematic Study on the Removal of Per- and Polyfluoroalkyl Substances from Contaminated Groundwater Using Metalâ€“Organic Frameworks. Environmental Science & Technology, 2021, 55, 15162-15171.	10.0	73
57	An ultra-microporous organic polymer for high performance carbon dioxide capture and separation. Chemical Communications, 2015, 51, 13393-13396.	4.1	71
58	Direct Imaging of Isolated Single-Molecule Magnets in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 2997-3005.	13.7	71
59	Uncovering the Role of Metalâ€“Organic Framework Topology on the Capture and Reactivity of Chemical Warfare Agents. Chemistry of Materials, 2020, 32, 4609-4617.	6.7	70
60	Systematic Postsynthetic Modification of Nanoporous Organic Frameworks for Enhanced CO₂ Capture from Flue Gas and Landfill Gas. Journal of Physical Chemistry C, 2016, 120, 2592-2599.	3.1	69
61	A Bismuth Metalâ€“Organic Framework as a Contrast Agent for X-ray Computed Tomography. ACS Applied Bio Materials, 2019, 2, 1197-1203.	4.6	68
62	Scalable, room temperature, and water-based synthesis of functionalized zirconium-based metalâ€“organic frameworks for toxic chemical removal. CrystEngComm, 2019, 21, 2409-2415.	2.6	67
63	Tuning the Redox Activity of Metalâ€“Organic Frameworks for Enhanced, Selective O₂ Binding: Design Rules and Ambient Temperature O₂ Chemisorption in a Cobaltâ€“Triazolate Framework. Journal of the American Chemical Society, 2020, 142, 4317-4328.	13.7	67
64	Immobilized Regenerable Active Chlorine within a Zirconium-Based MOF Textile Composite to Eliminate Biological and Chemical Threats. Journal of the American Chemical Society, 2021, 143, 16777-16785.	13.7	64
65	Atomistic Approach toward Selective Photocatalytic Oxidation of a Mustard-Gas Simulant: A Case Study with Heavy-Chalcogen-Containing PCN-57 Analogues. ACS Applied Materials & Interfaces, 2017, 9, 19535-19540.	8.0	63
66	Improvement of Methaneâ€“Framework Interaction by Controlling Pore Size and Functionality of Pillared MOFs. Inorganic Chemistry, 2017, 56, 2581-2588.	4.0	59
67	Zirconium-Based Metalâ€“Organic Framework with 9-Connected Nodes for Ammonia Capture. ACS Applied Nano Materials, 2019, 2, 6098-6102.	5.0	59
68	Ligand-Directed Reticular Synthesis of Catalytically Active Missing Zirconium-Based Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 12229-12235.	13.7	58
69	Toward Base Heterogenization: A Zirconium Metalâ€“Organic Framework/Dendrimer or Polymer Mixture for Rapid Hydrolysis of a Nerve-Agent Simulant. ACS Applied Nano Materials, 2019, 2, 1005-1008.	5.0	57
70	Ammonia Capture within Isoreticular Metalâ€“Organic Frameworks with Rod Secondary Building Units. , 2019, 1, 476-480.		56
71	Small Molecules, Big Effects: Tuning Adsorption and Catalytic Properties of Metalâ€“Organic Frameworks. Chemistry of Materials, 2021, 33, 1444-1454.	6.7	56
72	Isothermal Titration Calorimetry to Explore the Parameter Space of Organophosphorus Agrochemical Adsorption in MOFs. Journal of the American Chemical Society, 2020, 142, 12357-12366.	13.7	53

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73	Porosity Dependence of Compression and Lattice Rigidity in Metalâ€“Organic Framework Series. Journal of the American Chemical Society, 2019, 141, 4365-4371.	13.7	51
74	Near-instantaneous catalytic hydrolysis of organophosphorus nerve agents with zirconium-based MOF/hydrogel composites. Chem Catalysis, 2021, 1, 721-733.	6.1	49
75	Separation of Aromatic Hydrocarbons in Porous Materials. Journal of the American Chemical Society, 2022, 144, 12212-12218.	13.7	47
76	Insights into Catalytic Hydrolysis of Organophosphonates at Mâ€“OH Sites of Azolate-Based Metal Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 9893-9900.	13.7	45
77	Interplay of Lewis and BrÃ¸nsted Acid Sites in Zr-Based Metalâ€“Organic Frameworks for Efficient Esterification of Biomass-Derived Levulinic Acid. ACS Applied Materials & Interfaces, 2019, 11, 32090-32096.	8.0	44
78	Synthesis and functionalization of phase-pure NU-901 for enhanced CO₂adsorption: the influence of a zirconium salt and modulator on the topology and phase purity. CrystEngComm, 2018, 20, 7066-7070.	2.6	43
79	Facile and Scalable Coating of Metalâ€“Organic Frameworks on Fibrous Substrates by a Coordination Replication Method at Room Temperature. ACS Applied Materials & Interfaces, 2019, 11, 22714-22721.	8.0	42
80	Effect of Acid-Catalyzed Formation Rates of Benzimidazole-Linked Polymers on Porosity and Selective CO₂ Capture from Gas Mixtures. Environmental Science & Technology, 2015, 49, 4715-4723.	10.0	41
81	Structural Features of Zirconium-Based Metalâ€“Organic Frameworks Affecting Radiolytic Stability. Industrial & Engineering Chemistry Research, 2020, 59, 7520-7526.	3.7	41
82	Insights into the Structureâ€“Activity Relationships in Metalâ€“Organic Framework-Supported Nickel Catalysts for Ethylene Hydrogenation. ACS Catalysis, 2020, 10, 8995-9005.	11.2	40
83	Metalâ€“Organic-Framework-Supported and -Isolated Ceria Clusters with Mixed Oxidation States. ACS Applied Materials & Interfaces, 2019, 11, 47822-47829.	8.0	39
84	Solvent-assisted linker exchange enabled preparation of cerium-based metalâ€“organic frameworks constructed from redox active linkers. Inorganic Chemistry Frontiers, 2020, 7, 984-990.	6.0	39
85	Reactive Porous Polymers for Detoxification of a Chemical Warfare Agent Simulant. Chemistry of Materials, 2020, 32, 9299-9306.	6.7	38
86	Photoexcited Naphthalene Diimide Radical Anion Linking the Nodes of a Metalâ€“Organic Framework: A Heterogeneous Super-reductant. Chemistry of Materials, 2018, 30, 2488-2492.	6.7	37
87	Benign Integration of a Zn-Azolate Metalâ€“Organic Framework onto Textile Fiber for Ammonia Capture. ACS Applied Materials & Interfaces, 2020, 12, 47747-47753.	8.0	37
88	Process-level modelling and optimization to evaluate metalâ€“organic frameworks for post-combustion capture of CO₂. Molecular Systems Design and Engineering, 2020, 5, 1205-1218.	3.4	37
89	A Flexible Interpenetrated Zirconiumâ€Based Metalâ€“Organic Framework with High Affinity toward Ammonia. ChemSusChem, 2020, 13, 1710-1714.	6.8	36
90	Designing Porous Materials to Resist Compression: Mechanical Reinforcement of a Zr-MOF with Structural Linkers. Chemistry of Materials, 2020, 32, 3545-3552.	6.7	36

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91	Synthetic Control of Thorium Polyoxo-Clusters in Metalâ€"Organic Frameworks toward New Thorium-Based Materials. ACS Applied Nano Materials, 2019, 2, 2260-2265.	5.0	34
92	Efficient extraction of inorganic selenium from water by a Zr metalâ€"organic framework: investigation of volumetric uptake capacity and binding motifs. CrystEngComm, 2018, 20, 6140-6145.	2.6	33
93	Are you using the right probe molecules for assessing the textural properties of metalâ€"organic frameworks?. Journal of Materials Chemistry A, 2021, 10, 157-173.	10.3	33
94	Catalytic Degradation of an Organophosphorus Agent at Znâ€"OH Sites in a Metalâ€"Organic Framework. Chemistry of Materials, 2020, 32, 6998-7004.	6.7	32
95	Torsion Angle Effect on the Activation of UiO Metalâ€"Organic Frameworks. ACS Applied Materials & Interfaces, 2019, 11, 15788-15794.	8.0	31
96	Postsynthetically Modified Polymers of Intrinsic Microporosity (PIMs) for Capturing Toxic Gases. ACS Applied Materials & Interfaces, 2021, 13, 10409-10415.	8.0	30
97	Linker Competition within a Metalâ€"Organic Framework for Topological Insights. Inorganic Chemistry, 2019, 58, 1513-1517.	4.0	29
98	Guest-Dependent Single-Crystal-to-Single-Crystal Phase Transitions in a Two-Dimensional Uranyl-Based Metalâ€"Organic Framework. Crystal Growth and Design, 2019, 19, 506-512.	3.0	29
99	Rational Design of Pore Size and Functionality in a Series of Isoreticular Zwitterionic Metalâ€"Organic Frameworks. Chemistry of Materials, 2018, 30, 8332-8342.	6.7	28
100	Realization of Lithium-Ion Capacitors with Enhanced Energy Density via the Use of Gadolinium Hexacyanocobaltate as a Cathode Material. ACS Applied Materials & Interfaces, 2019, 11, 31799-31805.	8.0	28
101	Transient Catenation in a Zirconium-Based Metalâ€"Organic Framework and Its Effect on Mechanical Stability and Sorption Properties. Journal of the American Chemical Society, 2021, 143, 1503-1512.	13.7	28
102	Environmentally Benign Biosynthesis of Hierarchical MOF/Bacterial Cellulose Composite Sponge for Nerve Agent Protection. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
103	Zirconium Metalâ€"Organic Frameworks Integrating Chloride Ions for Ammonia Capture and/or Chemical Separation. ACS Applied Materials & Interfaces, 2021, 13, 22485-22494.	8.0	27
104	Presence versus Proximity: The Role of Pendant Amines in the Catalytic Hydrolysis of a Nerve Agent Simulant. Angewandte Chemie, 2018, 130, 1967-1971.	2.0	24
105	Green Synthesis of a Functionalized Zirconium-Based Metalâ€"Organic Framework for Water and Ethanol Adsorption. Inorganics, 2019, 7, 56.	2.7	24
106	Supramolecular Porous Assemblies of Atomically Precise Catalytically Active Cerium-Based Clusters. Chemistry of Materials, 2020, 32, 8522-8529.	6.7	23
107	Controlling Polymorphism and Orientation of NU-901/NU-1000 Metalâ€"Organic Framework Thin Films. Chemistry of Materials, 2020, 32, 10556-10565.	6.7	23
108	Direct Observation of Modulated Radical Spin States in Metalâ€"Organic Frameworks by Controlled Flexibility. Journal of the American Chemical Society, 2022, 144, 2685-2693.	13.7	23

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109	Benzothiazolium-functionalized NU-1000: a versatile material for carbon dioxide adsorption and cyanide luminescence sensing. Journal of Materials Chemistry C, 2020, 8, 7492-7500.	5.5	22
110	Nanoporous Water-Stable Zr-Based Metalâ€“Organic Frameworks for Water Adsorption. ACS Applied Nano Materials, 2021, 4, 4346-4350.	5.0	22
111	Development of a Metalâ€“Organic Framework/Textile Composite for the Rapid Degradation and Sensitive Detection of the Nerve Agent VX. Chemistry of Materials, 2022, 34, 1269-1277.	6.7	22
112	Precise Control of Cu Nanoparticle Size and Catalytic Activity through Pore Templating in Zr Metalâ€“Organic Frameworks. Chemistry of Materials, 2020, 32, 3078-3086.	6.7	21
113	Maximizing Magnetic Resonance Contrast in Gd(III) Nanoconjugates: Investigation of Proton Relaxation in Zirconium Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2020, 12, 41157-41166.	8.0	20
114	Proton Conductivity via Trapped Water in Phosphonate-Based Metalâ€“Organic Frameworks Synthesized in Aqueous Media. Inorganic Chemistry, 2021, 60, 1086-1091.	4.0	20
115	Investigating the Influence of Hexanuclear Clusters in Isostructural Metalâ€“Organic Frameworks on Toxic Gas Adsorption. ACS Applied Materials & Interfaces, 2022, 14, 3048-3056.	8.0	18
116	Modular Synthesis of Highly Porous Zr-MOFs Assembled from Simple Building Blocks for Oxygen Storage. ACS Applied Materials & Interfaces, 2019, 11, 42179-42185.	8.0	17
117	Modulation of crystal growth and structure within cerium-based metalâ€“organic frameworks. CrystEngComm, 2020, 22, 8182-8188.	2.6	17
118	Mechanistic Study on the Origin of the <i>Trans</i> Selectivity in Alkyne Semihydrogenation by a Heterobimetallic Rhodiumâ€“Gallium Catalyst in a Metalâ€“Organic Framework. Organometallics, 2019, 38, 3466-3473.	2.3	16
119	Time-Resolved <i>in Situ</i> Polymorphic Transformation from One 12-Connected Zr-MOF to Another. , 2020, 2, 499-504.		16
120	Linker Contribution toward Stability of Metalâ€“Organic Frameworks under Ionizing Radiation. Chemistry of Materials, 2021, 33, 9285-9294.	6.7	16
121	Insights into Mass Transfer Barriers in Metalâ€“Organic Frameworks. Chemistry of Materials, 2022, 34, 4134-4141.	6.7	16
122	Air oxidation of sulfur mustard gas simulants using a pyrene-based metalâ€“organic framework photocatalyst. Beilstein Journal of Nanotechnology, 2019, 10, 2422-2427.	2.8	14
123	A Catalytically Accessible Polyoxometalate in a Porous Fiber for Degradation of a Mustard Gas Simulant. ACS Applied Materials & Interfaces, 2022, 14, 16687-16693.	8.0	14
124	Hot Press Synthesis of MOF/Textile Composites for Nerve Agent Detoxification. , 2022, 4, 1511-1515.		14
125	Combining solvent-assisted linker exchange and transmetallation strategies to obtain a new non-catenated nickel (II) pillared-paddlewheel MOF. Inorganic Chemistry Communication, 2016, 67, 60-63.	3.9	13
126	An Amidoxime-Functionalized Porous Reactive Fiber against Toxic Chemicals. , 2021, 3, 320-326.		13

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127	Benign Synthesis and Modification of a Znâ€“Azolate Metalâ€“Organic Framework for Enhanced Ammonia Uptake and Catalytic Hydrolysis of an Organophosphorus Chemical. , 2021, 3, 1363-1368.		13
128	Cross-linked porous polyurethane materials featuring dodecaborate clusters as inorganic polyol equivalents. Chemical Communications, 2019, 55, 8852-8855.	4.1	11
129	Tuning the Atrazine Binding Sites in an Indium-Based Flexible Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2020, 12, 44762-44768.	8.0	11
130	Control of the Porosity in Manganese Trimer-Based Metalâ€“Organic Frameworks by Linker Functionalization. Inorganic Chemistry, 2020, 59, 8444-8450.	4.0	11
131	Discovery of spontaneous de-interpenetration through charged point-point repulsions. CheM, 2022, 8, 225-242.	11.7	11
132	Micropore environment regulation of zirconium MOFs for instantaneous hydrolysis of an organophosphorus chemical. Cell Reports Physical Science, 2021, 2, 100612.	5.6	10
133	Rapid Quantification of Mass Transfer Barriers in Metalâ€“Organic Framework Crystals. Chemistry of Materials, 0, , .	6.7	10
134	Uniform, Binary Functionalization of a Metalâ€“Organic Framework Material. Inorganic Chemistry, 2019, 58, 8906-8909.	4.0	9
135	Heteroatom-Doped Porous Carbons as Effective Adsorbers for Toxic Industrial Gasses. ACS Applied Materials & Interfaces, 2022, 14, 33173-33180.	8.0	8
136	Aggregation-Suppressed Porous Processable Hexa-Zirconium/Polymer Composites for Detoxification of a Nerve Agent Simulant. Chemistry of Materials, 2022, 34, 4983-4991.	6.7	7
137	BODIPY-Based Polymers of Intrinsic Microporosity for the Photocatalytic Detoxification of a Chemical Threat. ACS Applied Materials & Interfaces, 2022, 14, 12596-12605.	8.0	6
138	Phosphonates Meet Metalâ^'Organic Frameworks: Towards CO 2 Adsorption. Israel Journal of Chemistry, 2018, 58, 1164-1170.	2.3	4
139	Exchange of coordinated carboxylates with azolates as a route to obtain a microporous zincâ€“azolate framework. Chemical Communications, 2022, 58, 4028-4031.	4.1	2
140	Interfacial Unit-Dependent Catalytic Activity for CO Oxidation over Cerium Oxysulfate Cluster Assemblies. ACS Applied Materials & Interfaces, 2022, 14, 33515-33524.	8.0	2
141	New Talent 2018. CrystEngComm, 2018, 20, 5870-5871.	2.6	0
142	Metalâ€“organic frameworks as platforms for the nanostructuration of single-molecule magnets: new insights from HRTEM. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a348-a348.	0.1	0
143	Environmentally Benign Biosynthesis of Hierarchical MOF/Bacterial Cellulose Composite Sponge for Nerve Agent Protection. Angewandte Chemie, 0, , .	2.0	0