Mircea Dinca

List of Publications by Year
in descending order

184 papers	36,386 citations	4942 84 h-index	3312 184 g-index
197 all docs	197 docs citations	197 times ranked	25106 citing authors

#	Article	IF	Citations
1	Fully Conjugated Tetraoxa[8]circuleneâ€Based Porous Semiconducting Polymers. Angewandte Chemie, 2022, 134, .	1.6	2
2	Fully Conjugated Tetraoxa[8]circuleneâ€Based Porous Semiconducting Polymers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
3	Dimensionality Modulates Electrical Conductivity in Compositionally Constant One-, Two-, and Three-Dimensional Frameworks. Journal of the American Chemical Society, 2022, 144, 5583-5593.	6.6	24
4	Teaching Metal-Organic Frameworks to Conduct: Ion and Electron Transport in Metal-Organic Frameworks. Annual Review of Materials Research, 2022, 52, 103-128.	4.3	18
5	Structural, Thermodynamic, and Transport Properties of the Small-Gap Two-Dimensional Metalâ€“Organic KagomÃ© Materials Cu₃(hexaiminobenzene)₂ and Ni₃(hexaiminobenzene)₂. Inorganic Chemistry, 2022, 61, 6480-6487.	1.9	4
6	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
7	Thousand-fold increase in O₂ electroreduction rates with conductive MOFs. ACS Central Science, 2022, 8, 975-982.	5.3	32
8	Atomically precise single-crystal structures of electrically conducting 2D metalâ€“organic frameworks. Nature Materials, 2021, 20, 222-228.	13.3	239
9	Large Single Crystals of Two-Dimensional Ï€-Conjugated Metalâ€“Organic Frameworks via Biphasic Solution-Solid Growth. ACS Central Science, 2021, 7, 104-109.	5.3	40
10	Thermal Cycling of a MOF-Based NO Disproportionation Catalyst. Journal of the American Chemical Society, 2021, 143, 681-686.	6.6	32
11	High-Capacitance Pseudocapacitors from Li⁺ Ion Intercalation in Nonporous, Electrically Conductive 2D Coordination Polymers. Journal of the American Chemical Society, 2021, 143, 2285-2292.	6.6	99
12	Spectroscopic Evidence of Hyponitrite Radical Intermediate in NO Disproportionation at a MOFâ€Supported Mononuclear Copper Site. Angewandte Chemie - International Edition, 2021, 60, 7845-7850.	7.2	11
13	Spectroscopic Evidence of Hyponitrite Radical Intermediate in NO Disproportionation at a MOFâ€Supported Mononuclear Copper Site. Angewandte Chemie, 2021, 133, 7924-7929.	1.6	4
14	Accelerated Synthesis of a Ni₂Cl₂(BTDD) Metalâ€“Organic Framework in a Continuous Flow Reactor for Atmospheric Water Capture. ACS Sustainable Chemistry and Engineering, 2021, 9, 3996-4003.	3.2	26
15	MOF-Derived RuCo Catalyzes the Formation of a Plasticizer Alcohol from Renewable Precursors. ACS Catalysis, 2021, 11, 8521-8526.	5.5	4
16	Ammonia Capture via an Unconventional Reversible Guest-Induced Metal-Linker Bond Dynamics in a Highly Stable Metalâ€“Organic Framework. Chemistry of Materials, 2021, 33, 6186-6192.	3.2	26
17	Der derzeitige Stand von MOFâ€•und COFâ€Anwendungen. Angewandte Chemie, 2021, 133, 24174-24202.	1.6	18
18	Complexes of Platinum Group Metals with a Conformationally Locked Scorpionate in a Metalâ€“Organic Framework: An Unusually Close Apical Interaction of Palladium(II). Inorganic Chemistry, 2021, 60, 11764-11774.	1.9	0

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19	The Current Status of MOF and COF Applications. Angewandte Chemie - International Edition, 2021, 60, 23975-24001.	7.2	450
20	Structural Evolution of MOF-Derived RuCo, A General Catalyst for the Guerbet Reaction. ACS Applied Materials & Interfaces, 2021, , .	4.0	7
21	Low-Temperature H₂S/CO₂/CH₄ Separation in Mixed-Matrix Membranes Containing MFU-4. Chemistry of Materials, 2021, 33, 6825-6831.	3.2	11
22	Redox Ladder of Ni 3 Complexes with Closedâ€Shell, Monoâ€, and Diradical Triphenylene Units: Molecular Models for Conductive 2D MOFs. Angewandte Chemie, 2021, 133, 23977.	1.6	3
23	Redox Ladder of Ni₃ Complexes with Closedâ€Shell, Monoâ€, and Diradical Triphenylene Units: Molecular Models for Conductive 2D MOFs. Angewandte Chemie - International Edition, 2021, 60, 23784-23789.	7.2	17
24	Divergent Adsorption Behavior Controlled by Primary Coordination Sphere Anions in the Metalâ€"Organic Framework Ni₂X₂BTDD. Journal of the American Chemical Society, 2021, 143, 16343-16347.	6.6	15
25	Dualâ€Ion Intercalation and High Volumetric Capacitance in a Twoâ€Dimensional Nonâ€Porous Coordination Polymer. Angewandte Chemie - International Edition, 2021, 60, 27119-27125.	7.2	17
26	Dualâ€Ion Intercalation and High Volumetric Capacitance in a Twoâ€Dimensional Nonâ€Porous Coordination Polymer. Angewandte Chemie, 2021, 133, 27325-27331.	1.6	2
27	Colloidal nano-MOFs nucleate and stabilize ultra-small quantum dots of lead bromide perovskites. Chemical Science, 2021, 12, 6129-6135.	3.7	14
28	Why conductivity is not always king â€" physical properties governing the capacitance of 2D metalâ€"organic framework-based EDLC supercapacitor electrodes: a Ni₃(HITP)₂ case study. Faraday Discussions, 2021, 231, 298-304.	1.6	12
29	Isolation of a Side-On V(III)-(Î·2-O2) through the Intermediacy of a Low-Valent V(II) in a Metalâ€"Organic Framework. Inorganic Chemistry, 2021, 60, 18205-18210.	1.9	4
30	Ultrathin, High-Aspect Ratio, and Free-Standing Magnetic Nanowires by Exfoliation of Ferromagnetic Quasi-One-Dimensional van der Waals Lattices. Journal of the American Chemical Society, 2021, 143, 19551-19558.	6.6	19
31	Radical PolyMOFs: A Role for Ligand Dispersity in Enabling Crystallinity. Chemistry of Materials, 2021, 33, 9508-9514.	3.2	8
32	Toward New 2D Zirconium-Based Metalâ€"Organic Frameworks: Synthesis, Structures, and Electronic Properties. Chemistry of Materials, 2020, 32, 97-104.	3.2	37
33	Efficient and tunable one-dimensional charge transport in layered lanthanide metalâ€"organic frameworks. Nature Chemistry, 2020, 12, 131-136.	6.6	214
34	Aperiodic metalâ€"organic frameworks. Chemical Science, 2020, 11, 11094-11103.	3.7	11
35	Introduction: Porous Framework Chemistry. Chemical Reviews, 2020, 120, 8037-8038.	23.0	65
36	Structural Characterization of a Highâ€Nuclearity Niobium(V) Carboxylate Cluster Based on Pivalic Acid. Helvetica Chimica Acta, 2020, 103, e2000186.	1.0	3

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37	Simultaneous interlayer and intralayer space control in two-dimensional metalâˆ’organic frameworks for acetylene/ethylene separation. Nature Communications, 2020, 11, 6259.	5.8	85
38	RÃ¼cktitelbild: Observation of Ion Electrosorption in Metalâ€“Organic Framework Micropores with In Operando Smallâ€Angle Neutron Scattering (Angew. Chem. 24/2020). Angewandte Chemie, 2020, 132, 9868-9868.	1.6	0
39	Isoreticular Linker Substitution in Conductive Metalâ€“Organic Frameworks with Throughâ€Space Transport Pathways. Angewandte Chemie, 2020, 132, 19791-19794.	1.6	5
40	A Threeâ€Dimensional Porous Organic Semiconductor Based on Fully sp²â€Hybridized Graphitic Polymer. Angewandte Chemie - International Edition, 2020, 59, 15166-15170.	7.2	29
41	A Threeâ€Dimensional Porous Organic Semiconductor Based on Fully sp²â€Hybridized Graphitic Polymer. Angewandte Chemie, 2020, 132, 15278-15282.	1.6	12
42	Continuous Electrical Conductivity Variation in M₃(Hexaiminotriphenylene)₂ (M = Co, Ni, Cu) MOF Alloys. Journal of the American Chemical Society, 2020, 142, 12367-12373.	6.6	169
43	Cerium(IV) Enhances the Catalytic Oxidation Activity of Single-Site Cu Active Sites in MOFs. ACS Catalysis, 2020, 10, 7820-7825.	5.5	50
44	Observation of Ion Electrosorption in Metalâ€“Organic Framework Micropores with In Operando Smallâ€Angle Neutron Scattering. Angewandte Chemie - International Edition, 2020, 59, 9773-9779.	7.2	15
45	Electrical Conductivity in a Porous, Cubic Rare-Earth Catecholate. Journal of the American Chemical Society, 2020, 142, 6920-6924.	6.6	53
46	Observation of Ion Electrosorption in Metalâ€“Organic Framework Micropores with In Operando Smallâ€Angle Neutron Scattering. Angewandte Chemie, 2020, 132, 9860-9866.	1.6	4
47	Gas-Phase Ethylene Polymerization by Single-Site Cr Centers in a Metalâ€“Organic Framework. ACS Catalysis, 2020, 10, 3864-3870.	5.5	17
48	Interdigitated conducting tetrathiafulvalene-based coordination networks. Chemical Communications, 2020, 56, 2407-2410.	2.2	14
49	Bioinspired chemistry at MOF secondary building units. Chemical Science, 2020, 11, 1728-1737.	3.7	63
50	Electrically Conductive Metalâ€“Organic Frameworks. Chemical Reviews, 2020, 120, 8536-8580.	23.0	989
51	Isoreticular Linker Substitution in Conductive Metalâ€“Organic Frameworks with Throughâ€Space Transport Pathways. Angewandte Chemie - International Edition, 2020, 59, 19623-19626.	7.2	22
52	Molecular understanding of charge storage and charging dynamics in supercapacitors with MOF electrodes and ionic liquid electrolytes. Nature Materials, 2020, 19, 552-558.	13.3	405
53	Record-Setting Sorbents for Reversible Water Uptake by Systematic Anion Exchanges in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 13858-13866.	6.6	118
54	Diverse Ï€â€“Ï€ stacking motifs modulate electrical conductivity in tetrathiafulvalene-based metalâ€“organic frameworks. Chemical Science, 2019, 10, 8558-8565.	3.7	128

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55	Hydrogen bonding structure of confined water templated by a metal-organic framework with open metal sites. Nature Communications, 2019, 10, 4771.	5.8	86
56	Computational Exploration of NO Single-Site Disproportionation on Fe-MOF-5. Chemistry of Materials, 2019, 31, 8875-8885.	3.2	20
57	Metalâ€“Organic Framework-Derived Guerbet Catalyst Effectively Differentiates between Ethanol and Butanol. Journal of the American Chemical Society, 2019, 141, 17477-17481.	6.6	31
58	Kinetic stability of metalâ€“organic frameworks for corrosive and coordinating gas capture. Nature Reviews Materials, 2019, 4, 708-725.	23.3	214
59	Selective Oxidation of Câ€“H Bonds through a Manganese(III) Hydroperoxo in Mn^{II}-Exchanged CFA-1. Inorganic Chemistry, 2019, 58, 13221-13228.	1.9	15
60	Waterproof molecular monolayers stabilize 2D materials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20844-20849.	3.3	32
61	Organometallic Chemistry within Metalâ€“Organic Frameworks. Organometallics, 2019, 38, 3389-3391.	1.1	9
62	Continuous Partial Oxidation of Methane to Methanol Catalyzed by Diffusion-Paired Copper Dimers in Copper-Exchanged Zeolites. Journal of the American Chemical Society, 2019, 141, 11641-11650.	6.6	191
63	Chemiresistive Sensing of Ambient CO₂ by an Autogenously Hydrated Cu₃(hexaiminobenzene)₂ Framework. ACS Central Science, 2019, 5, 1425-1431.	5.3	79
64	Triphenylene-Bridged Trinuclear Complexes of Cu: Models for Spin Interactions in Two-Dimensional Electrically Conductive Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 10475-10480.	6.6	72
65	Metal- and covalent-organic frameworks as solid-state electrolytes for metal-ion batteries. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180225.	1.6	51
66	<i>Quo vadis niobium</i>? Divergent coordination behavior of early-transition metals towards MOF-5. Chemical Science, 2019, 10, 5906-5910.	3.7	15
67	Highly Selective Heterogeneous Ethylene Dimerization with a Scalable and Chemically Robust MOF Catalyst. ACS Sustainable Chemistry and Engineering, 2019, 7, 6654-6661.	3.2	62
68	High Li⁺ and Mg²⁺ Conductivity in a Cu-Azolate Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 4422-4427.	6.6	139
69	Single Crystals of Electrically Conductive Two-Dimensional Metalâ€“Organic Frameworks: Structural and Electrical Transport Properties. ACS Central Science, 2019, 5, 1959-1964.	5.3	211
70	Stabilized Vanadium Catalyst for Olefin Polymerization by Site Isolation in a Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2018, 57, 8135-8139.	7.2	73
71	Stabilized Vanadium Catalyst for Olefin Polymerization by Site Isolation in a Metalâ€“Organic Framework. Angewandte Chemie, 2018, 130, 8267-8271.	1.6	6
72	Selective Vapor Pressure Dependent Proton Transport in a Metalâ€“Organic Framework with Two Distinct Hydrophilic Pores. Journal of the American Chemical Society, 2018, 140, 2016-2019.	6.6	64

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73	Tricking Inert Metals into Water-Absorbing MOFs. Joule, 2018, 2, 18-20.	11.7	6
74	Controlled Gas Uptake in Metalâ€“Organic Frameworks with Record Ammonia Sorption. Journal of the American Chemical Society, 2018, 140, 3461-3466.	6.6	250
75	Precise control of pore hydrophilicity enabled by post-synthetic cation exchange in metalâ€“organic frameworks. Chemical Science, 2018, 9, 3856-3859.	3.7	70
76	Selective Catalytic Olefin Epoxidation with Mn^{II}-Exchanged MOF-5. ACS Catalysis, 2018, 8, 596-601.	5.5	105
77	Tunable Metalâ€“Organic Frameworks Enable High-Efficiency Cascaded Adsorption Heat Pumps. Journal of the American Chemical Society, 2018, 140, 17591-17596.	6.6	78
78	Reversible Metalation and Catalysis with a Scorpionate-like Metallo-ligand in a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 17394-17398.	6.6	48
79	Molecular Niobium Precursors in Various Oxidation States: An XAS Case Study. Inorganic Chemistry, 2018, 57, 13998-14004.	1.9	8
80	A Structural Mimic of Carbonic Anhydrase in a Metal-Organic Framework. CheM, 2018, 4, 2894-2901.	5.8	91
81	High electrical conductivity and carrier mobility in oCVD PEDOT thin films by engineered crystallization and acid treatment. Science Advances, 2018, 4, eaat5780.	4.7	167
82	Tunable Mixed-Valence Doping toward Record Electrical Conductivity in a Three-Dimensional Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 7411-7414.	6.6	204
83	Coordination-induced reversible electrical conductivity variation in the MOF-74 analogue Fe₂(DSBDC). Dalton Transactions, 2018, 47, 11739-11743.	1.6	27
84	Modular O₂ electroreduction activity in triphenylene-based metalâ€“organic frameworks. Chemical Science, 2018, 9, 6286-6291.	3.7	123
85	Activation of Methyltrioxorhenium for Olefin Metathesis in a Zirconium-Based Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 6956-6960.	6.6	36
86	Novel Topology in Semiconducting Tetrathiafulvalene Lanthanide Metalâ€Organic Frameworks. Israel Journal of Chemistry, 2018, 58, 1119-1122.	1.0	34
87	Viewpoint on the Partial Oxidation of Methane to Methanol Using Cu- and Fe-Exchanged Zeolites. ACS Catalysis, 2018, 8, 8306-8313.	5.5	133
88	Continuous-Flow Production of Succinic Anhydrides via Catalytic Î²-Lactone Carbonylation by Co(CO)₄âŠ,Cr-MIL-101. Journal of the American Chemical Society, 2018, 140, 10669-10672.	6.6	47
89	Programming Framework Materials for Ammonia Capture. ACS Central Science, 2018, 4, 666-667.	5.3	12
90	Oxidative Dehydrogenation of Propane in the Realm of Metalâ€“Organic Frameworks. ACS Central Science, 2017, 3, 10-12.	5.3	24

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91	Dynamic structural flexibility of Fe-MOF-5 evidenced by ⁵⁷Fe MÃ¶ssbauer spectroscopy. Inorganic Chemistry Frontiers, 2017, 4, 782-788.	3.0	15
92	2D Conductive Iron-Quinoid Magnets Ordering up to <i>T</i>_c = 105 K via Heterogenous Redox Chemistry. Journal of the American Chemical Society, 2017, 139, 4175-4184.	6.6	196
93	The Organic Secondary Building Unit: Strong Intermolecular Ï€ Interactions Define Topology in MIT-25, a Mesoporous MOF with Proton-Replete Channels. Journal of the American Chemical Society, 2017, 139, 3619-3622.	6.6	72
94	High temperature ferromagnetism in Ï€-conjugated two-dimensional metalâ€“organic frameworks. Chemical Science, 2017, 8, 2859-2867.	3.7	86
95	Pt Electrodes Enable the Formation of Î¼₄-O Centers in MOF-5 from Multiple Oxygen Sources. ACS Applied Materials & Interfaces, 2017, 9, 33528-33532.	4.0	12
96	Is iron unique in promoting electrical conductivity in MOFs?. Chemical Science, 2017, 8, 4450-4457.	3.7	176
97	Rapid and precise determination of zero-field splittings by terahertz time-domain electron paramagnetic resonance spectroscopy. Chemical Science, 2017, 8, 7312-7323.	3.7	20
98	Selective Dimerization of Propylene with Ni-MFU-4<i>l</i>. Organometallics, 2017, 36, 1681-1683.	1.1	55
99	Grand Challenges and Future Opportunities for Metalâ€“Organic Frameworks. ACS Central Science, 2017, 3, 554-563.	5.3	311
100	Record Atmospheric Fresh Water Capture and Heat Transfer with a Material Operating at the Water Uptake Reversibility Limit. ACS Central Science, 2017, 3, 668-672.	5.3	275
101	Moisture Farming with Metal-Organic Frameworks. CheM, 2017, 2, 757-759.	5.8	5
102	Heterogeneous Epoxide Carbonylation by Cooperative Ion-Pair Catalysis in Co(CO)₄^{â€“}-Incorporated Cr-MIL-101. ACS Central Science, 2017, 3, 444-448.	5.3	51
103	Reversible Capture and Release of Cl₂ and Br₂ with a Redox-Active Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 5992-5997.	6.6	95
104	Mechanism of Single-Site Molecule-Like Catalytic Ethylene Dimerization in Ni-MFU-4<i>l</i>. Journal of the American Chemical Society, 2017, 139, 757-762.	6.6	122
105	Mechanistic Evidence for Ligand-Centered Electrocatalytic Oxygen Reduction with the Conductive MOF Ni₃(hexaiminotriphenylene)₂. ACS Catalysis, 2017, 7, 7726-7731.	5.5	164
106	New directions in gas sorption and separation with MOFs: general discussion. Faraday Discussions, 2017, 201, 175-194.	1.6	6
107	Catalysis in MOFs: general discussion. Faraday Discussions, 2017, 201, 369-394.	1.6	14
108	A Microporous and Naturally Nanostructured Thermoelectric Metal-Organic Framework with Ultralow Thermal Conductivity. Joule, 2017, 1, 168-177.	11.7	159

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109	Signature of Metallic Behavior in the Metalâ€“Organic Frameworks M₃(hexaiminobenzene)₂ (M = Ni, Cu). Journal of the American Chemical Society, 2017, 139, 13608-13611.	6.6	324
110	Single-Ion Li⁺, Na⁺, and Mg²⁺ Solid Electrolytes Supported by a Mesoporous Anionic Cuâ€“Azolate Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 13260-13263.	6.6	239
111	Highly Stereoselective Heterogeneous Diene Polymerization by Co-MFU-4l: A Single-Site Catalyst Prepared by Cation Exchange. Journal of the American Chemical Society, 2017, 139, 12664-12669.	6.6	63
112	Conetronics in 2D metal-organic frameworks: double/half Dirac cones and quantum anomalous Hall effect. 2D Materials, 2017, 4, 015015.	2.0	41
113	Conductive MOF electrodes for stable supercapacitors with high areal capacitance. Nature Materials, 2017, 16, 220-224.	13.3	1,805
114	Metalâ€“Organic Frameworks as Active Materials in Electronic Sensor Devices. Sensors, 2017, 17, 1108.	2.1	212
115	Metalâ€“organic frameworks for electronics and photonics. MRS Bulletin, 2016, 41, 854-857.	1.7	30
116	Solid-State Redox Switching of Magnetic Exchange and Electronic Conductivity in a Benzoquinoid-Bridged Mn^{II} Chain Compound. Journal of the American Chemical Society, 2016, 138, 6583-6590.	6.6	47
117	Transparent-to-Dark Electrochromic Behavior in Naphthalene-Diimide-Based Mesoporous MOF-74 Analogs. CheM, 2016, 1, 264-272.	5.8	145
118	First-principles design of a half-filled flat band of the kagome lattice in two-dimensional metal-organic frameworks. Physical Review B, 2016, 94, .	1.1	72
119	Metal-organic frameworks: Evolved oxygen evolution catalysts. Nature Energy, 2016, 1, .	19.8	63
120	Photon energy storage materials with high energy densities based on diacetyleneâ€“azobenzene derivatives. Journal of Materials Chemistry A, 2016, 4, 16157-16165.	5.2	86
121	Single-Site Heterogeneous Catalysts for Olefin Polymerization Enabled by Cation Exchange in a Metal-Organic Framework. Journal of the American Chemical Society, 2016, 138, 10232-10237.	6.6	153
122	High and Reversible Ammonia Uptake in Mesoporous Azolate Metalâ€“Organic Frameworks with Open Mn, Co, and Ni Sites. Journal of the American Chemical Society, 2016, 138, 9401-9404.	6.6	229
123	Electrochemical oxygen reduction catalysed by Ni3(hexaiminotriphenylene)2. Nature Communications, 2016, 7, 10942.	5.8	577
124	Measuring and Reporting Electrical Conductivity in Metalâ€“Organic Frameworks: Cd₂(TTFTB) as a Case Study. Journal of the American Chemical Society, 2016, 138, 14772-14782.	6.6	221
125	Elektrisch leitfÃhige porÃ¶se Metallâ€organische GerÃ¼stverbindungen. Angewandte Chemie, 2016, 128, 3628-3642.	1.6	180
126	Frontier Orbital Engineering of Metalâ€“Organic Frameworks with Extended Inorganic Connectivity: Porous Alkaline-Earth Oxides. Inorganic Chemistry, 2016, 55, 7265-7269.	1.9	13

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127	Electrically Conductive Porous Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2016, 55, 3566-3579.	7.2	1,444
128	Selective Dimerization of Ethylene to 1-Butene with a Porous Catalyst. ACS Central Science, 2016, 2, 148-153.	5.3	180
129	On the electrochemical deposition of metalâ€“organic frameworks. Journal of Materials Chemistry A, 2016, 4, 3914-3925.	5.2	138
130	Thermodynamics of solvent interaction with the metalâ€“organic framework MOF-5. Physical Chemistry Chemical Physics, 2016, 18, 1158-1162.	1.3	30
131	NO Disproportionation at a Mononuclear Site-Isolated Fe²⁺ Center in Fe²⁺-MOF-5. Journal of the American Chemical Society, 2015, 137, 7495-7501.	6.6	96
132	Cu₃(hexaiminotriphenylene)₂: An Electrically Conductive 2D Metalâ€“Organic Framework for Chemiresistive Sensing. Angewandte Chemie - International Edition, 2015, 54, 4349-4352.	7.2	765
133	Cation-Dependent Intrinsic Electrical Conductivity in Isostructural Tetrathiafulvalene-Based Microporous Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 1774-1777.	6.6	360
134	Dynamic DMF Binding in MOF-5 Enables the Formation of Metastable Cobalt-Substituted MOF-5 Analogues. ACS Central Science, 2015, 1, 252-260.	5.3	123
135	Synthesis and Electrical Properties of Covalent Organic Frameworks with Heavy Chalcogens. Chemistry of Materials, 2015, 27, 5487-5490.	3.2	91
136	Thermodynamic parameters of cation exchange in MOF-5 and MFU-4l. Chemical Communications, 2015, 51, 11780-11782.	2.2	30
137	Million-Fold Electrical Conductivity Enhancement in Fe₂(DEBDC) versus Mn₂(DEBDC) (E = S, O). Journal of the American Chemical Society, 2015, 137, 6164-6167.	6.6	291
138	When the Solvent Locks the Cage: Theoretical Insight into the Transmetalation of MOF-5 Lattices and Its Kinetic Limitations. Chemistry of Materials, 2015, 27, 3422-3429.	3.2	23
139	On the Mechanism of MOF-5 Formation under Cathodic Bias. Chemistry of Materials, 2015, 27, 3203-3206.	3.2	64
140	Chemiresistive Sensor Arrays from Conductive 2D Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 13780-13783.	6.6	615
141	Selective formation of biphasic thin films of metalâ€“organic frameworks by potential-controlled cathodic electrodeposition. Chemical Science, 2014, 5, 107-111.	3.7	158
142	Solventâ€Đependent Cation Exchange in Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2014, 20, 6871-6874.	1.7	66
143	High Electrical Conductivity in Ni₃(2,3,6,7,10,11-hexaiminotriphenylene)₂, a Semiconducting Metalâ€“Organic Graphene Analogue. Journal of the American Chemical Society, 2014, 136, 8859-8862.	6.6	893
144	Cation exchange at the secondary building units of metalâ€“organic frameworks. Chemical Society Reviews, 2014, 43, 5456-5467.	18.7	462

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145	Ligand Redox Non-innocence in the Stoichiometric Oxidation of Mn₂(2,5-dioxidoterephthalate) (Mn-MOF-74). Journal of the American Chemical Society, 2014, 136, 3334-3337.	6.6	87
146	Ti³⁺-, V^{2+/3+}-, Cr^{2+/3+}-, Mn²⁺-, and Fe²⁺-Substituted MOF-5 and Redox Reactivity in Cr- and Fe-MOF-5. Journal of the American Chemical Society, 2013, 135, 12886-12891.	6.6	374
147	Selective Turn-On Ammonia Sensing Enabled by High-Temperature Fluorescence in Metalâ€“Organic Frameworks with Open Metal Sites. Journal of the American Chemical Society, 2013, 135, 13326-13329.	6.6	409
148	Quantification of Site-Specific Cation Exchange in Metalâ€“Organic Frameworks Using Multi-Wavelength Anomalous X-ray Dispersion. Chemistry of Materials, 2013, 25, 2998-3002.	3.2	49
149	Thiophene-based covalent organic frameworks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4923-4928.	3.3	291
150	Charge Transfer or J-Coupling? Assignment of an Unexpected Red-Shifted Absorption Band in a Naphthalenediimide-Based Metalâ€“Organic Framework. Journal of Physical Chemistry Letters, 2013, 4, 453-458.	2.1	65
151	Impact of Metal and Anion Substitutions on the Hydrogen Storage Properties of M-BTT Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2013, 135, 1083-1091.	6.6	139
152	Mn₂(2,5-disulfhydrylbenzene-1,4-dicarboxylate): A Microporous Metalâ€“Organic Framework with Infinite (â^'Mnâ€“Sâ^')_{â^ž} Chains and High Intrinsic Charge Mobility. Journal of the American Chemical Society, 2013, 135, 8185-8188.	6.6	291
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154	Facile Deposition of Multicolored Electrochromic Metalâ€“Organic Framework Thin Films. Angewandte Chemie - International Edition, 2013, 52, 13377-13381.	7.2	266
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