Lukasz Wojtas

List of Publications by Year
in descending order

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		6592	10708
251	21,547	79	138
papers	citations	h-index	g-index

290	290	290	15771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Porous materials with optimal adsorption thermodynamics and kinetics for CO2 separation. Nature, 2013, 495, 80-84.	13.7	2,005
2	Postsynthetically Modified Covalent Organic Frameworks for Efficient and Effective Mercury Removal. Journal of the American Chemical Society, 2017, 139, 2786-2793.	6.6	808
3	Enhanced CO₂ Binding Affinity of a High-Uptake rht-Type Metalâ^'Organic Framework Decorated with Acylamide Groups. Journal of the American Chemical Society, 2011, 133, 748-751.	6.6	722
4	Supermolecular Building Blocks (SBBs) for the Design and Synthesis of Highly Porous Metal-Organic Frameworks. Journal of the American Chemical Society, 2008, 130, 1833-1835.	6.6	628
5	Crystal Engineering of an nbo Topology Metalâ€"Organic Framework for Chemical Fixation of CO₂ under Ambient Conditions. Angewandte Chemie - International Edition, 2014, 53, 2615-2619.	7.2	505
6	Tunable Rare-Earth fcu-MOFs: A Platform for Systematic Enhancement of CO₂ Adsorption Energetics and Uptake. Journal of the American Chemical Society, 2013, 135, 7660-7667.	6.6	474
7	Covalent Organic Frameworks as a Decorating Platform for Utilization and Affinity Enhancement of Chelating Sites for Radionuclide Sequestration. Advanced Materials, 2018, 30, e1705479.	11.1	398
8	Discovery and introduction of a (3,18)-connected net as an ideal blueprint for the design of metalâ€"organic frameworks. Nature Chemistry, 2014, 6, 673-680.	6.6	396
9	Temperature and Concentration Control over Interpenetration in a Metalâ^'Organic Material. Journal of the American Chemical Society, 2009, 131, 17040-17041.	6.6	361
10	Cocrystals of Quercetin with Improved Solubility and Oral Bioavailability. Molecular Pharmaceutics, 2011, 8, 1867-1876.	2.3	314
11	Highly Selective Carbon Dioxide Uptake by [Cu(bpy-n)₂(SiF₆)] (bpy-1 =) Tj ETQq1 1 0.784314 rgBT /O 3663-3666.	6.6	303
12	Supermolecular Building Blocks (SBBs) and Crystal Design:â€‰ 12-Connected Open Frameworks Based on a Molecular Cubohemioctahedron. Journal of the American Chemical Society, 2008, 130, 1560-1561.	6.6	300
13	Bio-inspired nano-traps for uranium extraction from seawater and recovery from nuclear waste. Nature Communications, 2018, 9, 1644.	5.8	300
14	Templated Synthesis, Postsynthetic Metal Exchange, and Properties of a Porphyrin-Encapsulating Metalâ€"Organic Material. Journal of the American Chemical Society, 2012, 134, 924-927.	6.6	238
15	A Robust Molecular Porous Material with High CO₂ Uptake and Selectivity. Journal of the American Chemical Society, 2013, 135, 10950-10953.	6.6	236
16	Experimental Evidence for Cobalt(III)-Carbene Radicals: Key Intermediates in Cobalt(II)-Based Metalloradical Cyclopropanation. Journal of the American Chemical Society, 2011, 133, 8518-8521.	6.6	217
17	Effects of Crystal Form on Solubility and Pharmacokinetics: A Crystal Engineering Case Study of Lamotrigine. Crystal Growth and Design, 2010, 10, 394-405.	1.4	213
18	Structureâ^'Stability Relationships in Cocrystal Hydrates: Does the Promiscuity of Water Make Crystalline Hydrates the Nemesis of Crystal Engineering?. Crystal Growth and Design, 2010, 10, 2152-2167.	1.4	211

#	Article	IF	Citations
19	A porous metalâ€“metalloporphyrin framework featuring high-density active sites for chemical fixation of CO₂under ambient conditions. Chemical Communications, 2014, 50, 5316-5318.	2.2	203
20	Coformer Selection in Pharmaceutical Cocrystal Development: a Case Study of a Meloxicam Aspirin Cocrystal That Exhibits Enhanced Solubility and Pharmacokinetics. Journal of Pharmaceutical Sciences, 2011, 100, 2172-2181.	1.6	201
21	Selective Intramolecular Cï£¿H Amination through the Metalloradical Activation of Azides: Synthesis of 1,3â€Diamines under Neutral and Nonoxidative Conditions. Angewandte Chemie - International Edition, 2010, 49, 10192-10196.	7.2	191
22	A Metalâ€“Organic Framework Based Methane Nanoâ€trap for the Capture of Coalâ€Mine Methane. Angewandte Chemie - International Edition, 2019, 58, 10138-10141.	7.2	181
23	Quest for Zeolite-like Metalâ^'Organic Frameworks:â€‰ On Pyrimidinecarboxylate Bis-Chelating Bridging Ligands. Journal of the American Chemical Society, 2008, 130, 3768-3770.	6.6	178
24	Cobalt-Catalyzed Asymmetric Cyclopropanation with Diazosulfones: Rigidification and Polarization of Ligand Chiral Environment via Hydrogen Bonding and Cyclization. Journal of the American Chemical Society, 2008, 130, 5042-5043.	6.6	177
25	Asymmetric Radical Cyclopropanation of Alkenes with In Situ-Generated Donor-Substituted Diazo Reagents via Co(II)-Based Metalloradical Catalysis. Journal of the American Chemical Society, 2017, 139, 1049-1052.	6.6	177
26	Mimicking Heme Enzymes in the Solid State: Metalâ€“Organic Materials with Selectively Encapsulated Heme. Journal of the American Chemical Society, 2011, 133, 10356-10359.	6.6	174
27	Highly Asymmetric Intramolecular Cyclopropanation of Acceptor-Substituted Diazoacetates by Co(II)-Based Metalloradical Catalysis: Iterative Approach for Development of New-Generation Catalysts. Journal of the American Chemical Society, 2011, 133, 15292-15295.	6.6	174
28	Synthesis of a honeycomb-like Cu-based metalâ€“organic framework and its carbon dioxide adsorption behaviour. Dalton Transactions, 2013, 42, 2392-2398.	1.6	174
29	Regioselective Synthesis of Multisubstituted Furans via Metalloradical Cyclization of Alkynes with Î±-Diazocarbonyls: Construction of Functionalized Î±-Oligofurans. Journal of the American Chemical Society, 2012, 134, 19981-19984.	6.6	171
30	The unique rht-MOF platform, ideal for pinpointing the functionalization and CO₂adsorption relationship. Chemical Communications, 2012, 48, 1455-1457.	2.2	163
31	Quest for Highly Connected Metalâ€“Organic Framework Platforms: Rare-Earth Polynuclear Clusters Versatility Meets Net Topology Needs. Journal of the American Chemical Society, 2015, 137, 5421-5430.	6.6	163
32	Zeolite-like Metalâ^'Organic Frameworks (ZMOFs) Based on the Directed Assembly of Finite Metalâ^'Organic Cubes (MOCs). Journal of the American Chemical Society, 2009, 131, 17753-17755.	6.6	156
33	The Next Chapter in MOF Pillaring Strategies: Trigonal Heterofunctional Ligands To Access Targeted High-Connected Three Dimensional Nets, Isoreticular Platforms. Journal of the American Chemical Society, 2011, 133, 17532-17535.	6.6	155
34	Template-Directed Synthesis of Nets Based upon Octahemioctahedral Cages That Encapsulate Catalytically Active Metalloporphyrins. Journal of the American Chemical Society, 2012, 134, 928-933.	6.6	155
35	Crystal Engineering of a Microporous, Catalytically Active fcu Topology MOF Using a Customâ€Designed Metalloporphyrin Linker. Angewandte Chemie - International Edition, 2012, 51, 10082-10085.	7.2	154
36	Three-Dimensional Porous Metalâ€“Metalloporphyrin Framework Consisting of Nanoscopic Polyhedral Cages. Journal of the American Chemical Society, 2011, 133, 16322-16325.	6.6	142

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37	Enantioselective Cyclopropenation of Alkynes with Acceptor/Acceptor-Substituted Diazo Reagents via Co(II)-Based Metalloradical Catalysis. Journal of the American Chemical Society, 2011, 133, 3304-3307.	6.6	142
38	Effective Synthesis of Chiral Nâ€Fluoroaryl Aziridines through Enantioselective Aziridination of Alkenes with Fluoroaryl Azides. Angewandte Chemie - International Edition, 2013, 52, 5309-5313.	7.2	141
39	Synthesis of a Chiral Crystal Form of MOF-5, CMOF-5, by Chiral Induction. Journal of the American Chemical Society, 2015, 137, 15406-15409.	6.6	139
40	Cobalt(II)-Catalyzed Intramolecular Câ’H Amination with Phosphoryl Azides: Formation of 6- and 7-Membered Cyclophosphoramidates. Organic Letters, 2010, 12, 1248-1251.	2.4	137
41	Hybrid Ultraâ€Microporous Materials for Selective Xenon Adsorption and Separation. Angewandte Chemie - International Edition, 2016, 55, 8285-8289.	7.2	137
42	Hierarchy of Supramolecular Synthons: Persistent Hydrogen Bonds Between Carboxylates and Weakly Acidic Hydroxyl Moieties in Cocrystals of Zwitterions. Crystal Growth and Design, 2010, 10, 3568-3584.	1.4	133
43	Versatile rare earth hexanuclear clusters for the design and synthesis of highly-connectedftw-MOFs. Chemical Science, 2015, 6, 4095-4102.	3.7	127
44	From Metalâ’Organic Squares to Porous Zeolite-like Supramolecular Assemblies. Journal of the American Chemical Society, 2010, 132, 18038-18041.	6.6	126
45	Imparting amphiphobicity on single-crystalline porous materials. Nature Communications, 2016, 7, 13300.	5.8	126
46	Asymmetric Radical Bicyclization of Allyl Azidoformates via Cobalt(II)-Based Metalloradical Catalysis. Journal of the American Chemical Society, 2017, 139, 9164-9167.	6.6	123
47	Network Diversity through Decoration of Trigonalâ€Prismatic Nodes: Twoâ€Step Crystal Engineering of Cationic Metalâ€“Organic Materials. Angewandte Chemie - International Edition, 2011, 50, 11421-11424.	7.2	118
48	On Demand: The Singular rht Net, an Ideal Blueprint for the Construction of a Metalâ€“Organic Framework (MOF) Platform. Angewandte Chemie - International Edition, 2012, 51, 10099-10103.	7.2	116
49	An Asymmetric Dielsâ€“Alder Reaction Catalyzed by Chiral Phosphate Magnesium Complexes: Highly Enantioselective Synthesis of Chiral Spirooxindoles. Angewandte Chemie - International Edition, 2013, 52, 4628-4632.	7.2	115
50	Interpenetrating Metalâ€“Metalloporphyrin Framework for Selective CO₂ Uptake and Chemical Transformation of CO₂. Inorganic Chemistry, 2016, 55, 7291-7294.	1.9	115
51	Asymmetric Induction and Enantiodivergence in Catalytic Radical Câ€“H Amination via Enantiodifferentiative H-Atom Abstraction and Stereoretentive Radical Substitution. Journal of the American Chemical Society, 2019, 141, 12388-12396.	6.6	112
52	Highly Selective CO₂ Uptake in Uninodal 6-Connected â€œmmoâ€•Nets Based upon MO₄^{2â€“} (M = Cr, Mo) Pillars. Journal of the American Chemical Society, 2012, 134, 19556-19559.	6.6	110
53	Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. Matter, 2020, 2, 416-427.	5.0	110
54	The Quest for Modular Nanocages: tbo-MOF as an Archetype for Mutual Substitution, Functionalization, and Expansion of Quadrangular Pillar Building Blocks. Journal of the American Chemical Society, 2011, 133, 14204-14207.	6.6	109

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55	Supramolecular Architectures of Meloxicam Carboxylic Acid Cocrystals, a Crystal Engineering Case Study. Crystal Growth and Design, 2010, 10, 4401-4413.	1.4	108
56	Catalytic Radical Process for Enantioselective Amination of C(sp³)â˜H Bonds. Angewandte Chemie - International Edition, 2018, 57, 16837-16841.	7.2	108
57	Postâ€Synthetic Modification of Porphyrinâ€Encapsulating Metalâ€“Organic Materials by Cooperative Addition of Inorganic Salts to Enhance CO₂CH₄ Selectivity. Angewandte Chemie - International Edition, 2012, 51, 9330-9334.	7.2	106
58	Putting the Squeeze on CH₄ and CO₂ through Control over Interpenetration in Diamondoid Nets. Journal of the American Chemical Society, 2014, 136, 5072-5077.	6.6	106
59	Helical Sulfono-Î³-AApeptides with Aggregation-Induced Emission and Circularly Polarized Luminescence. Journal of the American Chemical Society, 2019, 141, 12697-12706.	6.6	106
60	A metalâ€“metalloporphyrin framework based on an octatopic porphyrin ligand for chemical fixation of CO₂with aziridines. Chemical Communications, 2018, 54, 1170-1173.	2.2	104
61	Stereoselective Radical Amination of Electron-Deficient C(sp³)â€“H Bonds by Co(II)-Based Metalloradical Catalysis: Direct Synthesis of Î±-Amino Acid Derivatives via Î±-Câ€“H Amination. Organic Letters, 2012, 14, 5158-5161.	2.4	102
62	Stereoselective radical Câ€“H alkylation with acceptor/acceptor-substituted diazo reagents via Co(<scp>ii</scp>)-based metalloradical catalysis. Chemical Science, 2015, 6, 1219-1224.	3.7	100
63	Chemoselective intramolecular allylic Câ€“H amination versus Cî€C aziridination through Co(ii)-based metalloradical catalysis. Chemical Science, 2011, 2, 2361.	3.7	98
64	A Chiral Metal-Organic Material that Enables Enantiomeric Identification and Purification. CheM, 2017, 3, 281-289.	5.8	97
65	Cobalt(II)â€Catalyzed Asymmetric Olefin Cyclopropanation with Î±â€Ketodiazoacetates. Angewandte Chemie - International Edition, 2013, 52, 11857-11861.	7.2	95
66	Stepwise Transformation of the Molecular Building Blocks in a Porphyrin-Encapsulating Metalâ€“Organic Material. Journal of the American Chemical Society, 2013, 135, 5982-5985.	6.6	94
67	A Family of Porous Lonsdaleite-e Networks Obtained through Pillaring of Decorated KagomÃ© Lattice Sheets. Journal of the American Chemical Society, 2013, 135, 14016-14019.	6.6	93
68	Precise Molecular Fission and Fusion: Quantitative Selfâ€Assembly and Chemistry of a Metalloâ€Cuboctahedron. Angewandte Chemie - International Edition, 2015, 54, 9224-9229.	7.2	93
69	Quest for highly porous metalâ€“metalloporphyrin framework based upon a custom-designed octatopic porphyrin ligand. Chemical Communications, 2012, 48, 7173.	2.2	92
70	Vertex-directed self-assembly of a high symmetry supermolecular building block using a custom-designed porphyrin. Chemical Science, 2012, 3, 2823.	3.7	92
71	Structural Insight into Guest Binding Sites in a Porous Homochiral Metalâ€“Organic Material. Journal of the American Chemical Society, 2015, 137, 12045-12049.	6.6	91
72	Pore environment engineering in metalâ€“organic frameworks for efficient ethane/ethylene separation. Journal of Materials Chemistry A, 2019, 7, 13585-13590.	5.2	91

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73	The asc Trinodal Platform: Twoâ€Step Assembly of Triangular, Tetrahedral, and Trigonalâ€Prismatic Molecular Building Blocks. Angewandte Chemie - International Edition, 2013, 52, 2902-2905.	7.2	88
74	Enhancement of CO2 selectivity in a pillared pcu MOM platform through pillar substitution. Chemical Communications, 2013, 49, 1606.	2.2	87
75	Chiral Phosphoric Acid-Catalyzed Addition of Thiols to N-Acyl Imines: Access to Chiral N,S-Acetals. Organic Letters, 2011, 13, 4822-4825.	2.4	84
76	Intramolecular 1,5-C(sp³)â€“H radical amination via Co(<scp>ii</scp>)-based metalloradical catalysis for five-membered cyclic sulfamides. Chemical Science, 2016, 7, 6934-6939.	3.7	84
77	Enantioselective Radical Construction of 5-Membered Cyclic Sulfonamides by Metalloradical Câ€“H Amination. Journal of the American Chemical Society, 2019, 141, 18160-18169.	6.6	84
78	A Corroleâ€Based Covalent Organic Framework Featuring Desymmetrized Topology. Angewandte Chemie - International Edition, 2020, 59, 4354-4359.	7.2	84
79	Robust Corrole-Based Metalâ€“Organic Frameworks with Rare 9-Connected Zr/Hf-Oxo Clusters. Journal of the American Chemical Society, 2019, 141, 14443-14450.	6.6	83
80	Formation of a Metalloporphyrinâ€Based Nanoreactor by Postsynthetic Metalâ€“Ion Exchange of a Polyhedralâ€Cage Containing a Metalâ€“Metalloporphyrin Framework. Chemistry - A European Journal, 2013, 19, 3297-3301.	1.7	82
81	Silver-Free Palladium-Catalyzed sp³ and sp² Câ€“H Alkynylation Promoted by a 1,2,3-Triazole Amine Directing Group. Organic Letters, 2016, 18, 2970-2973.	2.4	81
82	Chiral Phosphoric Acid Catalyzed Peroxidation of Imines. Angewandte Chemie - International Edition, 2010, 49, 6589-6591.	7.2	77
83	A pillared metalâ€“organic framework incorporated with 1,2,3-triazole moieties exhibiting remarkable enhancement of CO2 uptake. Chemical Communications, 2012, 48, 8898.	2.2	77
84	2:1 Cocrystals of Homochiral and Achiral Amino Acid Zwitterions with Li⁺ Salts: Water-Stable Zeolitic and Diamondoid Metalâ€“Organic Materials. Journal of the American Chemical Society, 2011, 133, 9224-9227.	6.6	76
85	Organicâ€“inorganic hybrid polyhedra that can serve as supermolecular building blocks. Chemical Science, 2014, 5, 927-931.	3.7	75
86	Intermolecular Homopropargyl Alcohol Addition to Alkyne and a Sequential 1,6-Enyne Cycloisomerization with Triazole-Gold Catalyst. Journal of the American Chemical Society, 2016, 138, 3994-3997.	6.6	74
87	Remote Stabilization of Copper Paddlewheel Based Molecular Building Blocks in Metalâ€“Organic Frameworks. Chemistry of Materials, 2015, 27, 2144-2151.	3.2	72
88	Facilitating Gold Redox Catalysis with Electrochemistry: An Efficient Chemicalâ€Oxidantâ€Free Approach. Angewandte Chemie - International Edition, 2019, 58, 17226-17230.	7.2	72
89	Microporous Heptazine Functionalized (3,24)-Connected rht-Metalâ€“Organic Framework: Synthesis, Structure, and Gas Sorption Analysis. Crystal Growth and Design, 2014, 14, 414-418.	1.4	71
90	Improving Lithium Therapeutics by Crystal Engineering of Novel Ionic Cocrystals. Molecular Pharmaceutics, 2013, 10, 4728-4738.	2.3	70

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91	Physical Stability Enhancement and Pharmacokinetics of a Lithium Ionic Cocrystal with Glucose. Crystal Growth and Design, 2014, 14, 6135-6142.	1.4	69
92	Efficient separation of xylene isomers by a guest-responsive metalâ€“organic framework with rotational anionic sites. Nature Communications, 2020, 11, 5456.	5.8	68
93	Anionic Metalâ€“Organic Framework for Selective Dye Removal and CO₂ Fixation. European Journal of Inorganic Chemistry, 2016, 2016, 4373-4377.	1.0	66
94	Topology meets MOF chemistry for pore-aperture fine tuning: ftw-MOF platform for energy-efficient separations via adsorption kinetics or molecular sieving. Chemical Communications, 2018, 54, 6404-6407.	2.2	65
95	Gold-Catalyzed Oxidative Coupling of Alkynes toward the Synthesis of Cyclic Conjugated Diynes. CheM, 2018, 4, 1983-1993.	5.8	63
96	Selective radical amination of aldehydic C(sp²)â€“H bonds with fluoroaryl azides via Co(<scp>ii</scp>)-based metalloradical catalysis: synthesis of N-fluoroaryl amides from aldehydes under neutral and nonoxidative conditions. Chemical Science, 2014, 5, 2422-2427.	3.7	62
97	Intramolecular Radical Aziridination of Allylic Sulfamoyl Azides by Cobalt(II)â€Based Metalloradical Catalysis: Effective Construction of Strained Heterobicyclic Structures. Angewandte Chemie - International Edition, 2016, 55, 11604-11608.	7.2	61
98	Metalloradical activation of Î±-formyldiazoacetates for the catalytic asymmetric radical cyclopropanation of alkenes. Chemical Science, 2017, 8, 4347-4351.	3.7	61
99	Crystal Engineering of Isostructural Quaternary Multicomponent Crystal Forms of Olanzapine. Crystal Growth and Design, 2012, 12, 4194-4201.	1.4	60
100	Nextâ€Generation D₂â€Symmetric Chiral Porphyrins for Cobalt(II)â€Based Metalloradical Catalysis: Catalyst Engineering by Distal Bridging. Angewandte Chemie - International Edition, 2019, 58, 2670-2674.	7.2	59
101	Hydrogen-Bonding-Driven 3D Supramolecular Assembly of Peptidomimetic Zipper. Journal of the American Chemical Society, 2018, 140, 5661-5665.	6.6	57
102	Terpyridine-Based, Flexible Tripods: From a Highly Symmetric Nanosphere to Temperature-Dependent, Irreversible, 3D Isomeric Macromolecular Nanocages. Journal of the American Chemical Society, 2017, 139, 3012-3020.	6.6	56
103	Highly Efficient and Stereoselective Thioallylation of Alkynes: Possible Gold Redox Catalysis with No Need for a Strong Oxidant. Angewandte Chemie - International Edition, 2018, 57, 6915-6920.	7.2	56
104	Cationic Ethylzinc Compound: A Benzene Complex with Catalytic Activity in Hydroamination and Hydrosilylation Reactions. Inorganic Chemistry, 2011, 50, 11300-11302.	1.9	55
105	Two homochiral organocatalytic metal organic materials with nanoscopic channels. Chemical Communications, 2013, 49, 7693.	2.2	54
106	Hierarchical Self-Assembly of Nanowires on the Surface by Metallo-Supramolecular Truncated Cuboctahedra. Journal of the American Chemical Society, 2021, 143, 5826-5835.	6.6	53
107	Porous Double-Walled Metal Triazolate Framework Based upon a Bifunctional Ligand and a Pentanuclear Zinc Cluster Exhibiting Selective CO₂ Uptake. Inorganic Chemistry, 2012, 51, 4423-4425.	1.9	52
108	Right-Handed Helical Foldamers Consisting of De Novo <scp>d</scp>-AApeptides. Journal of the American Chemical Society, 2017, 139, 7363-7369.	6.6	52

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109	Ruthenium(II) Tris(2,2â€²-bipyridine)-Templated Zinc(II) 1,3,5-Tris(4-carboxyphenyl)benzene Metal Organic Frameworks: Structural Characterization and Photophysical Properties. Inorganic Chemistry, 2014, 53, 160-166.	1.9	51
110	Ground- and Excited-State Properties of Zn(II) Tetrakis(4-tetramethylpyridyl) Pophyrin Specifically Encapsulated within a Zn(II) HKUST Metalâ€“Organic Framework. Journal of Physical Chemistry A, 2011, 115, 11519-11524.	1.1	49
111	Hydrogen Bond Hierarchy: Persistent PhenolÂ·Â·Â·Chloride Hydrogen Bonds in the Presence of Carboxylic Acid Moieties. Crystal Growth and Design, 2015, 15, 4341-4354.	1.4	49
112	De Novo Leftâ€Handed Synthetic Peptidomimetic Foldamers. Angewandte Chemie - International Edition, 2018, 57, 9916-9920.	7.2	49
113	Nanospace Decoration with Uranyl-Specific â€œHooksâ€•for Selective Uranium Extraction from Seawater with Ultrahigh Enrichment Index. ACS Central Science, 2021, 7, 1650-1656.	5.3	49
114	Photophysical Studies of Ru(II)tris(2,2â€²-bipyridine) Confined within a Zn(II)â€“Trimesic Acid Polyhedral Metalâ€“Organic Framework. Journal of Physical Chemistry A, 2012, 116, 7830-7835.	1.1	48
115	The local electric field favours more than exposed nitrogen atoms on CO₂ capture: a case study on the rht-type MOF platform. Chemical Communications, 2015, 51, 9636-9639.	2.2	48
116	Self-Assembly of Porphyrin-Containing Metalla-Assemblies and Cancer Photodynamic Therapy. Inorganic Chemistry, 2020, 59, 7380-7388.	1.9	48
117	Polymorphism in Multiple Component Crystals: Forms III and IV of Gallic Acid Monohydrate. Crystal Growth and Design, 2011, 11, 964-966.	1.4	47
118	Porous metalâ€“organic framework based on a macrocyclic tetracarboxylate ligand exhibiting selective CO2 uptake. CrystEngComm, 2012, 14, 6115.	1.3	47
119	Pillar substitution modulates CO2 affinity in â€œmmoâ€•topology networks. Chemical Communications, 2013, 49, 9809.	2.2	47
120	Two rare indium-based porous metalâ€“metalloporphyrin frameworks exhibiting interesting CO2 uptake. CrystEngComm, 2013, 15, 9320.	1.3	45
121	Computational Studies of CO₂ Sorption and Separation in an Ultramicroporous Metalâ€“Organic Material. Journal of Physical Chemistry C, 2013, 117, 17687-17698.	1.5	45
122	Gaining Insights on the H₂â€“Sorbent Interactions: Robust soc-MOF Platform as a Case Study. Chemistry of Materials, 2016, 28, 7353-7361.	3.2	43
123	Synthesis and biological evaluation of some novel diastereoselective benzothiazole Î²-lactam conjugates. European Journal of Medicinal Chemistry, 2018, 143, 283-291.	2.6	43
124	Modulation of Water Vapor Sorption by a Fourth-Generation Metalâ€“Organic Material with a Rigid Framework and Self-Switching Pores. Journal of the American Chemical Society, 2018, 140, 12545-12552.	6.6	42
125	Orthogonal Halogenâ€Bondingâ€Driven 3D Supramolecular Assembly of Rightâ€Handed Synthetic Helical Peptides. Angewandte Chemie - International Edition, 2019, 58, 7778-7782.	7.2	41
126	Two-step crystal engineering of porous nets from [Cr3(Î¼3-O)(RCO2)6] and [Cu3(Î¼3-Cl)(RNH2)6Cl6] molecular building blocks. Chemical Communications, 2013, 49, 8154.	2.2	40

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127	A new family of anionic organicâ€“inorganic hybrid doughnut-like nanostructures. Chemical Communications, 2015, 51, 9223-9226.	2.2	40
128	A robust soc-MOF platform exhibiting high gravimetric uptake and volumetric deliverable capacity for on-board methane storage. Nano Research, 2021, 14, 512-517.	5.8	40
129	Pd-Catalyzed C4-Olefination of Oxazoles via Câ€“H Bond Activation: Divergent Synthesis of Functionalized Amino Alcohol and Amino Acid Derivatives. Organic Letters, 2011, 13, 5040-5043.	2.4	39
130	Consequences of Partial Flexibility in 1,3-Benzenedicarboxylate Linkers: KagomÃ© Lattice and NbO Supramolecular Isomers from Complexation of a Bulky 1,3-Benzenedicarboxylate to Cu(II) Paddlewheel Moieties. Crystal Growth and Design, 2011, 11, 1441-1445.	1.4	39
131	Insight into the construction of metalâ€“organic polyhedra: metalâ€“organic cubes as a case study. Chemical Science, 2011, 2, 1695.	3.7	39
132	Hybrid Ultraâ€Microporous Materials for Selective Xenon Adsorption and Separation. Angewandte Chemie, 2016, 128, 8425-8429.	1.6	38
133	Thermal conductivity of a perovskite-type metalâ€“organic framework crystal. Dalton Transactions, 2017, 46, 13342-13344.	1.6	38
134	Chiral Phosphoric Acid Catalyzed Addition of Dihydropyrans to N-Acyl Imines: Stereocontrolled Access to Enantioenriched Spirocyclic Oxazoletetrahydropyrans with Three Contiguous Stereocenters. Organic Letters, 2010, 12, 1960-1963.	2.4	36
135	Synthesis and Characterization of Bulky Cationic Arylalkylaluminum Compounds. Organometallics, 2011, 30, 2563-2570.	1.1	35
136	Photoinduced inter-cavity electron transfer between Ru(ii)tris(2,2â€²-bipyridne) and Co(ii)tris(2,2â€²-bipyridine) Co-encapsulated within a Zn(ii)-trimesic acid metal organic framework. Journal of Materials Chemistry A, 2013, 1, 14133.	5.2	35
137	Quest for a highly connected robust porous metalâ€“organic framework on the basis of a bifunctional linear linker and a rare heptanuclear zinc cluster. Chemical Communications, 2013, 49, 10516.	2.2	35
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