Xian-hui Bu

List of Publications by Year
in descending order

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		2544	7160
303	28,100	96	153
papers	citations	h-index	g-index

346	346	346	15460
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalâ€“Organic Frameworks for Separation. Advanced Materials, 2018, 30, e1705189.	21.0	835
2	Hydrothermal syntheses and structural characterization of zeolite analogue compounds based on cobalt phosphate. Nature, 1997, 388, 735-741.	27.8	555
3	The Interface Chemistry between Chalcogenide Clusters and Open Framework Chalcogenides. Accounts of Chemical Research, 2005, 38, 293-303.	15.6	541
4	Induction of chiral porous solids containing only achiral building blocks. Nature Chemistry, 2010, 2, 353-361.	13.6	522
5	Stable Hierarchical Bimetalâ€“Organic Nanostructures as HighPerformance Electrocatalysts for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 4227-4231.	13.8	430
6	Pore Space Partition in Metalâ€“Organic Frameworks. Accounts of Chemical Research, 2017, 50, 407-417.	15.6	423
7	Transition metal-based bimetallic MOFs and MOF-derived catalysts for electrochemical oxygen evolution reaction. Energy and Environmental Science, 2021, 14, 1897-1927.	30.8	415
8	Microporous and Photoluminescent Chalcogenide Zeolite Analogs. Science, 2002, 298, 2366-2369.	12.6	410
9	Synthetic design of crystalline inorganic chalcogenides exhibiting fast-ion conductivity. Nature, 2003, 426, 428-432.	27.8	399
10	Biâ€Microporous Metalâ€“Organic Frameworks with Cubane [M₄(OH)₄] (M=Ni,) Tj ETQq0 0 0 rgBT /Overlock Chemie - International Edition, 2019, 58, 12185-12189.	13.8	350
11	Pore Space Partition and Charge Separation in Cage-within-Cage Indiumâ€Organic Frameworks with High CO₂ Uptake. Journal of the American Chemical Society, 2010, 132, 17062-17064.	13.7	339
12	Selective anion exchange with nanogated isoreticular positive metal-organic frameworks. Nature Communications, 2013, 4, 2344.	12.8	336
13	Surfactantâ€Assisted Phaseâ€Selective Synthesis of New Cobalt MOFs and Their Efficient Electrocatalytic Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 13001-13005.	13.8	334
14	Homochiral Crystallization of Microporous Framework Materials from Achiral Precursors by Chiral Catalysis. Journal of the American Chemical Society, 2008, 130, 12882-12883.	13.7	319
15	Large-Cage Zeolite Structures with Multidimensional 12-Ring Channels. Science, 1997, 278, 2080-2085.	12.6	308
16	Systematic and Dramatic Tuning on Gas Sorption Performance in Heterometallic Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 2524-2527.	13.7	290
17	Pore Space Partition by Symmetry-Matching Regulated Ligand Insertion and Dramatic Tuning on Carbon Dioxide Uptake. Journal of the American Chemical Society, 2015, 137, 1396-1399.	13.7	284
18	Synthesis and organization of zeolite-like materials with three-dimensional helical pores. Nature, 1998, 395, 154-157.	27.8	279

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19	Solvent- and Vapor-Induced Isomerization between the Luminescent Solids [CuI(4-pic)]4and [CuI(4-pic)]â^ž(pic = methylpyridine). The Structural Basis for the Observed Luminescence Vapochromism. Chemistry of Materials, 2000, 12, 3385-3391.	6.7	274
20	Hexagonal@Cubic CdS Core@Shell Nanorod Photocatalyst for Highly Active Production of H₂ with Unprecedented Stability. Advanced Materials, 2016, 28, 8906-8911.	21.0	271
21	Open-Framework Chalcogenides as Visible-Light Photocatalysts for Hydrogen Generation from Water. Angewandte Chemie - International Edition, 2005, 44, 5299-5303.	13.8	248
22	Multiroute Synthesis of Porous Anionic Frameworks and Size-Tunable Extraframework Organic Cation-Controlled Gas Sorption Properties. Journal of the American Chemical Society, 2009, 131, 16027-16029.	13.7	247
23	Luminescent MTN-Type Clusterâ€“Organic Framework with 2.6 nm Cages. Journal of the American Chemical Society, 2012, 134, 17881-17884.	13.7	239
24	Tetrahedral Chalcogenide Clusters and Open Frameworks. Chemistry - A European Journal, 2004, 10, 3356-3362.	3.3	235
25	Heterometalâ€Embedded Organic Conjugate Frameworks from Alternating Monomeric Iron and Cobalt Metalloporphyrins and Their Application in Design of Porous Carbon Catalysts. Advanced Materials, 2015, 27, 3431-3436.	21.0	231
26	Chiral chemistry of metalâ€“camphorate frameworks. Chemical Society Reviews, 2016, 45, 3122-3144.	38.1	229
27	Versatile Structureâ€Directing Roles of Deepâ€Eutectic Solvents and Their Implication in the Generation of Porosity and Open Metal Sites for Gas Storage. Angewandte Chemie - International Edition, 2009, 48, 3486-3490.	13.8	227
28	Zeolitic Boron Imidazolate Frameworks. Angewandte Chemie - International Edition, 2009, 48, 2542-2545.	13.8	224
29	Development of Composite Inorganic Building Blocks for MOFs. Journal of the American Chemical Society, 2012, 134, 4517-4520.	13.7	222
30	Monolithic Mesoporous Silica Templated by Microemulsion Liquid Crystals. Journal of the American Chemical Society, 2000, 122, 994-995.	13.7	212
31	An ultra-tunable platform for molecular engineering of high-performance crystalline porous materials. Nature Communications, 2016, 7, 13645.	12.8	205
32	In situ synthesis of nâ€“n Bi₂MoO₆ & Bi₂S₃ heterojunctions for highly efficient photocatalytic removal of Cr(<scp>vi</scp>). Journal of Materials Chemistry A, 2018, 6, 22580-22589.	10.3	200
33	Pore-Space-Partition-Enabled Exceptional Ethane Uptake and Ethane-Selective Ethaneâ€“Ethylene Separation. Journal of the American Chemical Society, 2020, 142, 2222-2227.	13.7	199
34	Integrated Molecular Chirality, Absolute Helicity, and Intrinsic Chiral Topology in Three-Dimensional Open-Framework Materials. Journal of the American Chemical Society, 2008, 130, 17246-17247.	13.7	196
35	Multiple Functions of Ionic Liquids in the Synthesis of Threeâ€Dimensional Lowâ€Connectivity Homochiral and Achiral Frameworks. Angewandte Chemie - International Edition, 2008, 47, 5434-5437.	13.8	187
36	Hydrothermal Synthesis and Structural Characterization of Zeolite-like Structures Based on Gallium and Aluminum Germanates. Journal of the American Chemical Society, 1998, 120, 13389-13397.	13.7	186

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37	Syntheses and Characterizations of Chiral Tetrahedral Cobalt Phosphates with Zeolite ABW and Related Frameworks. Journal of the American Chemical Society, 1997, 119, 2497-2504.	13.7	185
38	Acid and Base Resistant Zirconium Polyphenolateâ€Metalloporphyrin Scaffolds for Efficient CO₂ Photoreduction. Advanced Materials, 2018, 30, 1704388.	21.0	184
39	An Open-Framework Material with Dangling Organic Functional Groups in 24-Ring Channels. Journal of the American Chemical Society, 2000, 122, 11563-11564.	13.7	181
40	Manganese and Magnesium Homochiral Materials:â€‰ Decoration of Honeycomb Channels with Homochiral Chains. Journal of the American Chemical Society, 2007, 129, 14168-14169.	13.7	180
41	Control of Pore Sizes in Mesoporous Silica Templated by Liquid Crystals in Block Copolymerâ^'Cosurfactantâ^'Water Systems. Langmuir, 2000, 16, 5304-5310.	3.5	179
42	Urothermal Synthesis of Crystalline Porous Materials. Angewandte Chemie - International Edition, 2010, 49, 8876-8879.	13.8	179
43	Ultramicroporous Building Units as a Path to Biâ€microporous Metalâ€“Organic Frameworks with High Acetylene Storage and Separation Performance. Angewandte Chemie - International Edition, 2019, 58, 13590-13595.	13.8	173
44	A Tale of Three Carboxylates: Cooperative Asymmetric Crystallization of a Threeâ€Dimensional Microporous Framework from Achiral Precursors. Angewandte Chemie - International Edition, 2010, 49, 1267-1270.	13.8	172
45	Single-Walled Polytetrazolate Metalâ€“Organic Channels with High Density of Open Nitrogen-Donor Sites and Gas Uptake. Journal of the American Chemical Society, 2012, 134, 784-787.	13.7	169
46	Synthesis and Photocatalytic Properties of a New Heteropolyoxoniobate Compound: K₁₀[Nb₂O₂(H₂O)₂][SiNb₁₂O₄₀]Â·12H<su Journal of the American Chemical Society, 2011, 133, 6934-6937.	14.7	168
47	A heterometallic sodiumâ€“europium-cluster-based metalâ€“organic framework as a versatile and water-stable chemosensor for antibiotics and explosives. Journal of Materials Chemistry C, 2017, 5, 8469-8474.	5.5	168
48	Comparative Study of Homochiral and Racemic Chiral Metal-Organic Frameworks Built from Camphoric Acid. Chemistry of Materials, 2007, 19, 5083-5089.	6.7	166
49	Î±-Iminocarboxamidatoâ^'Nickel(II) Ethylene Polymerization Catalysts. Journal of the American Chemical Society, 2001, 123, 5352-5353.	13.7	163
50	Hydrothermal syntheses and structures of three one-dimensional heteropolytungstates formed by Dawson or Keggin cluster units. Dalton Transactions RSC, 2001, , 2009-2014.	2.3	162
51	Zeolite RHO-Type Net with the Lightest Elements. Journal of the American Chemical Society, 2009, 131, 6111-6113.	13.7	161
52	Crystalline Inorganic Frameworks with 56-Ring, 64-Ring, and 72-Ring Channels. Science, 2013, 339, 811-813.	12.6	158
53	Self-Assembly of Novel Dye Molecules and [Cd8(SPh)12]4+Cubic Clusters into Three-Dimensional Photoluminescent Superlattice. Journal of the American Chemical Society, 2002, 124, 9688-9689.	13.7	157
54	Anionic Lanthanide MOFs as a Platform for Iron-Selective Sensing, Systematic Color Tuning, and Efficient Nanoparticle Catalysis. Inorganic Chemistry, 2017, 56, 1402-1411.	4.0	157

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55	Synthesis of Buteneâ^'Ethylene and Hexeneâ^'Buteneâ^'Ethylene Copolymers from Ethylene via Tandem Action of Well-Defined Homogeneous Catalysts. Journal of the American Chemical Society, 2000, 122, 1830-1831.	13.7	156
56	Entrapment of Metal Clusters in Metalâ€"Organic Framework Channels by Extended Hooks Anchored at Open Metal Sites. Journal of the American Chemical Society, 2013, 135, 10270-10273.	13.7	154
57	Tunable MoS₂/SnO₂ Pâ€"N Heterojunctions for an Efficient Trimethylamine Gas Sensor and 4-Nitrophenol Reduction Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 12375-12384.	6.7	151
58	Atomically Precise Doping of Monomanganese Ion into Coreless Supertetrahedral Chalcogenide Nanocluster Inducing Unusual Red Shift in Mn²⁺ Emission. Journal of the American Chemical Society, 2014, 136, 4769-4779.	13.7	150
59	Photochemical Nitric Oxide Precursors:Â Synthesis, Photochemistry, and Ligand Substitution Kinetics of Ruthenium Salen Nitrosyl and Ruthenium Salophen Nitrosyl Complexes1. Inorganic Chemistry, 2002, 41, 3728-3739.	4.0	146
60	Organic Cation and Chiral Anion Templated 3D Homochiral Openâ€Framework Materials with Unusual Squareâ€Planar {M₄(OH)} Units. Angewandte Chemie - International Edition, 2007, 46, 8388-8391.	13.8	143
61	Cooperative Crystallization of Heterometallic Indiumâ€"Chromium Metalâ€"Organic Polyhedra and Their Fast Proton Conductivity. Angewandte Chemie - International Edition, 2015, 54, 7886-7890.	13.8	141
62	Nonaqueous Synthesis and Selective Crystallization of Gallium Sulfide Clusters into Three-Dimensional Photoluminescent Superlattices. Journal of the American Chemical Society, 2003, 125, 1138-1139.	13.7	138
63	Size-Selective Crystallization of Homochiral Camphorate Metalâ€"Organic Frameworks for Lanthanide Separation. Journal of the American Chemical Society, 2014, 136, 12572-12575.	13.7	138
64	Pushing Up the Size Limit of Chalcogenide Supertetrahedral Clusters:Â Two- and Three-Dimensional Photoluminescent Open Frameworks from (Cu5In30S54)13-Clusters. Journal of the American Chemical Society, 2002, 124, 12646-12647.	13.7	137
65	Porous Indiumâ€"Organic Frameworks and Systematization of Structural Building Blocks. Angewandte Chemie - International Edition, 2011, 50, 8858-8862.	13.8	137
66	Solvothermal in Situ Ligand Synthesis through Disulfide Cleavage:Â 3D (3,4)-Connected and 2D Square-Grid-Type Coordination Polymers. Inorganic Chemistry, 2006, 45, 5736-5738.	4.0	135
67	Chiralization of Diamond Nets: Stretchable Helices and Chiral and Achiral Nets with Nearly Identical Unit Cells. Angewandte Chemie - International Edition, 2007, 46, 6115-6118.	13.8	135
68	Interrupted Zeolite LTA and ATN-Type Boron Imidazolate Frameworks. Journal of the American Chemical Society, 2011, 133, 11884-11887.	13.7	134
69	Multivariable Modular Design of Pore Space Partition. Journal of the American Chemical Society, 2016, 138, 15102-15105.	13.7	132
70	Synthesis, Characterization, and Ethylene Oligomerization Action of [(C6H5)2PC6H4C(O-B(C6F5)3)O-Î²2P,O]Ni(Î·3-CH2C6H5). Journal of the American Chemical Society, 2000, 122, 12379-12380.	13.7	131
71	Cooperative Assembly of Threeâ€Ringâ€Based Zeoliteâ€Type Metalâ€"Organic Frameworks and Johnsonâ€Type Dodecahedra. Angewandte Chemie - International Edition, 2011, 50, 1849-1852.	13.8	128
72	Mimicking Zeolite to Its Core: Porous Sodalite Cages as Hangers for Pendant Trimeric M₃(OH) Clusters (M = Mg, Mn, Co, Ni, Cd). Journal of the American Chemical Society, 2012, 134, 1934-1937.	13.7	126

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73	Highly Selective and Rapid Uptake of Radionuclide Cesium Based on Robust Zeolitic Chalcogenide via Stepwise Ion-Exchange Strategy. Chemistry of Materials, 2016, 28, 8774-8780.	6.7	126
74	Mimicking High-Silica Zeolites: Highly Stable Germanium- and Tin-Rich Zeolite-Type Chalcogenides. Journal of the American Chemical Society, 2015, 137, 6184-6187.	13.7	123
75	Synthesis and Structural Characterization of Several Ruthenium Porphyrin Nitrosyl Complexes. Inorganic Chemistry, 1997, 36, 4838-4848.	4.0	120
76	Three-Dimensional Open Framework Built from Cuâ''S Icosahedral Clusters and Its Photocatalytic Property. Journal of the American Chemical Society, 2008, 130, 15238-15239.	13.7	120
77	Designed Assemblies in Open Framework Materials Synthesis: An Interrupted Sodalite and An Expanded Sodalite. Angewandte Chemie International Edition in English, 1995, 34, 1745-1747.	4.4	119
78	Three-Dimensional Superlattices Built from (M4In16S33)10-(M = Mn, Co, Zn, Cd) Supertetrahedral Clusters. Journal of the American Chemical Society, 2001, 123, 11506-11507.	13.7	118
79	A chiral tetragonal magnesium-carboxylate framework with nanotubular channels. Chemical Communications, 2011, 47, 11852.	4.1	117
80	Monocopper Doping in Cd-In-S Supertetrahedral Nanocluster via Two-Step Strategy and Enhanced Photoelectric Response. Journal of the American Chemical Society, 2013, 135, 10250-10253.	13.7	117
81	Framework Cationization by Preemptive Coordination of Open Metal Sites for Anionâ€Exchange Encapsulation of Nucleotides and Coenzymes. Angewandte Chemie - International Edition, 2016, 55, 2768-2772.	13.8	116
82	A Rare (3,4)â€Connected Chalcogenide Superlattice and Its Photoelectric Effect. Angewandte Chemie - International Edition, 2008, 47, 113-116.	13.8	114
83	Homochiral Coordination Polymer with Infinite Double-Stranded Helices. Inorganic Chemistry, 2007, 46, 1511-1513.	4.0	113
84	High CO₂ and H₂ Uptake in an Anionic Porous Framework with Amino-Decorated Polyhedral Cages. Chemistry of Materials, 2012, 24, 2624-2626.	6.7	109
85	Chiral Semiconductor Frameworks from Cadmium Sulfide Clusters. Journal of the American Chemical Society, 2007, 129, 8412-8413.	13.7	107
86	Direct Observation of Two Types of Proton Conduction Tunnels Coexisting in a New Porous Indiumâ€"Organic Framework. Chemistry of Materials, 2014, 26, 2492-2495.	6.7	107
87	Nanocluster with One Missing Core Atom:â€‰ A Three-Dimensional Hybrid Superlattice Built from Dual-Sized Supertetrahedral Clusters. Journal of the American Chemical Society, 2002, 124, 10268-10269.	13.7	106
88	Three-Dimensional Homochiral Transition-Metal Camphorate Architectures Directed by a Flexible Auxiliary Ligand. Inorganic Chemistry, 2008, 47, 3495-3497.	4.0	106
89	Crystalline Superlattices from Single-Sized Quantum Dots. Journal of the American Chemical Society, 2005, 127, 11963-11965.	13.7	105
90	Multicomponent Selfâ€Assembly of a Nested Co₂₄@Co₄₈ Metalâ€"Organic Polyhedral Framework. Angewandte Chemie - International Edition, 2011, 50, 8034-8037.	13.8	105

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91	Threeâ€Dimensional Covalent Coâ€Assembly between Inorganic Supertetrahedral Clusters and Imidazolates. Angewandte Chemie - International Edition, 2011, 50, 2536-2539.	13.8	104
92	New Zeolitic Imidazolate Frameworks: From Unprecedented Assembly of Cubic Clusters to Ordered Cooperative Organization of Complementary Ligands. Chemistry of Materials, 2008, 20, 7377-7382.	6.7	102
93	Largest Molecular Clusters in the Supertetrahedral Tn Series. Journal of the American Chemical Society, 2010, 132, 10823-10831.	13.7	102
94	Porous Metal Carboxylate Boron Imidazolate Frameworks. Angewandte Chemie - International Edition, 2010, 49, 5362-5366.	13.8	101
95	Pyridinecarboxamidatoâ^'Nickel(II) Complexes. Organometallics, 2001, 20, 5425-5431.	2.3	100
96	Assembly of Supertetrahedral T₅ Copperâ^'Indium Sulfide Clusters into a Super-Supertetrahedron of Infinite Order. Journal of the American Chemical Society, 2010, 132, 3283-3285.	13.7	99
97	Novel Germanate Zeolite Structures with 3-Rings. Journal of the American Chemical Society, 1998, 120, 11204-11205.	13.7	98
98	Anion Stripping as a General Method to Create Cationic Porous Framework with Mobile Anions. Journal of the American Chemical Society, 2014, 136, 7579-7582.	13.7	97
99	Histidine-Controlled Two-Dimensional Assembly of Zinc Phosphite Four-Ring Units. Chemistry of Materials, 2006, 18, 1857-1860.	6.7	96
100	Organization of Tetrahedral Chalcogenide Clusters Using a Tetrahedral Quadridentate Linker. Inorganic Chemistry, 2008, 47, 9724-9726.	4.0	96
101	Absolute helicity induction in three-dimensional homochiral frameworks. Chemical Communications, 2009, , 206-208.	4.1	96
102	One-Dimensional Assembly of Chalcogenide Nanoclusters with Bifunctional Covalent Linkers. Journal of the American Chemical Society, 2005, 127, 14990-14991.	13.7	94
103	Temperature dependent charge distribution in three-dimensional homochiral cadmium camphorates. Chemical Communications, 2008, , 444-446.	4.1	94
104	Electron Redistributed Sâ€Doped Nickel Iron Phosphides Derived from Oneâ€Step Phosphatization of MOFs for Significantly Boosting Electrochemical Water Splitting. Advanced Functional Materials, 2022, 32, .	14.9	93
105	Efficient oxygen reduction by nanocomposites of heterometallic carbide and nitrogen-enriched carbon derived from the cobalt-encapsulated indiumâ€“MOF. Chemical Communications, 2014, 50, 15619-15622.	4.1	89
106	Templated Assembly of Sulfide Nanoclusters into Cubic-C3N4 Type Framework. Journal of the American Chemical Society, 2003, 125, 6024-6025.	13.7	88
107	Synthesis and Characterization of a New Family of Thermally Stable Open-Framework Zincophosphate/Arsenate Phases: M3Zn4O(XO4)3Â·nH2O (M = Na, K, Rb, Li, ...; X = P, As;n= â^¼3.5â^'6). Crystal Structures of Rb3Zn4O(PO4)3Â·3.5H2O, K3Zn4O(AsO4)3Â·4H2O, and Na3Zn4O(PO4)3Â·6H2O. Chemistry of Materials, 1996, 8, 691-700.	6.7	87
108	Metal Chalcogenide Supertetrahedral Clusters: Synthetic Control over Assembly, Dispersibility, and Their Functional Applications. Accounts of Chemical Research, 2020, 53, 2261-2272.	15.6	87

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109	Ionothermal Synthesis of Homochiral Framework with Acetate-Pillared Cobaltâ^'Camphorate Architecture. Inorganic Chemistry, 2008, 47, 5567-5569.	4.0	85
110	Ion Pair Charge-Transfer Salts Based on Metal Chalcogenide Clusters and Methyl Viologen Cations. Chemistry of Materials, 2008, 20, 4170-4172.	6.7	85
111	Superbase Route to Supertetrahedral Chalcogenide Clusters. Journal of the American Chemical Society, 2012, 134, 3619-3622.	13.7	84
112	Design of Pore Size and Functionality in Pillar-Layered Zn-Triazolate-Dicarboxylate Frameworks and Their High CO₂/CH₄ and C2 Hydrocarbons/CH₄ Selectivity. Inorganic Chemistry, 2015, 54, 9862-9868.	4.0	82
113	Metal-Complex-Decorated Homochiral Heterobimetallic Telluride Single-Stranded Helix. Inorganic Chemistry, 2007, 46, 7262-7264.	4.0	81
114	A novel sandwich-type polyoxometalate compound with visible-light photocatalytic H2 evolution activity. Chemical Communications, 2011, 47, 3918.	4.1	81
115	Efficient Gas-Sensing for Formaldehyde with 3D Hierarchical Co₃O₄ Derived from Co₅-Based MOF Microcrystals. Inorganic Chemistry, 2017, 56, 14111-14117.	4.0	81
116	Fe(H2O)2BP2O8Â·H2O, a First Zeotype Ferriborophosphate with Chiral Tetrahedral Framework Topology. Chemistry of Materials, 2000, 12, 3243-3245.	6.7	80
117	Induction in urothermal synthesis of chiral porous materials from achiral precursors. Chemical Communications, 2011, 47, 4950.	4.1	80
118	From cage-in-cage MOF to N-doped and Co-nanoparticle-embedded carbon for oxygen reduction reaction. Dalton Transactions, 2015, 44, 6748-6754.	3.3	80
119	Generalized Synthesis of Zeolite-Type Metalâ€“Organic Frameworks Encapsulating Immobilized Transition-Metal Clusters. Journal of the American Chemical Society, 2012, 134, 11936-11939.	13.7	79
120	Pushing up the Size Limit of Metal Chalcogenide Supertetrahedral Nanocluster. Journal of the American Chemical Society, 2018, 140, 888-891.	13.7	79
121	Metal-Chelate Dye-Controlled Organization of Cd32S14(SPh)404-Nanoclusters into Three-Dimensional Molecular and Covalent Open Architecture. Journal of the American Chemical Society, 2006, 128, 4528-4529.	13.7	78
122	A Strategy for Constructing Poreâ€Spaceâ€Partitioned MOFs with High Uptake Capacity for C₂ Hydrocarbons and CO₂. Angewandte Chemie - International Edition, 2020, 59, 19027-19030.	13.8	77
123	A New Zeolitic Topology with Sixteenâ€Membered Ring and Multidimensional Large Pore Channels. Chemistry - A European Journal, 2008, 14, 7771-7773.	3.3	76
124	Î±-Iminoenamido Ligands:â€‰ A Novel Structure for Transition-Metal Activation. Organometallics, 2002, 21, 3082-3084.	2.3	75
125	Pentasupertetrahedral Clusters as Building Blocks for a Three-Dimensional Sulfide Superlattice. Angewandte Chemie - International Edition, 2004, 43, 4753-4755.	13.8	73
126	Three-Dimensional Photoluminescent Frameworks Constructed from Size-Tunable CuI Clusters. Crystal Growth and Design, 2010, 10, 2047-2049.	3.0	72

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127	Chromium(III) Complexes for Photochemical Nitric Oxide Generation from Coordinated Nitrite:Â Synthesis and Photochemistry of Macrocyclic Complexes with Pendant Chromophores,trans-[Cr(L)(ONO)2]BF4. Inorganic Chemistry, 2005, 44, 4157-4165.	4.0	71
128	Modeling the Catalytic Site of Vanadium Bromoperoxidase:Â Synthesis and Structural Characterization of Intramolecularly H-bonded Vanadium(V) Oxoperoxo Complexes, [VO(O2)(NH2pyg2)]K and [VO(O2)(BrNH2pyg2)]K. Inorganic Chemistry, 2002, 41, 161-163.	4.0	70
129	A Tale of Two Trimers from Two Different Worlds: A COFâ€inspired Synthetic Strategy for Poreâ€Space Partitioning of MOFs. Angewandte Chemie - International Edition, 2019, 58, 6316-6320.	13.8	70
130	Synthesis and characterization of mesostructured aluminophosphates using the fluoride route. Chemical Communications, 1997, , 949-950.	4.1	69
131	(3,4)-Connected Zincophosphites as Structural Analogues of Zinc Hydrogen Phosphate. Inorganic Chemistry, 2006, 45, 4654-4660.	4.0	69
132	Arsenate Zeolite Analogues with 11 Topological Types. Journal of the American Chemical Society, 2001, 123, 8608-8609.	13.7	68
133	Synthetic Control of Selenide Supertetrahedral Clusters and Threeâ€Dimensional Coâ€assembly by Chargeâ€Complementary Metal Cations. Angewandte Chemie - International Edition, 2009, 48, 7204-7207.	13.8	68
134	Zero- and Two-Dimensional Organization of Tetrahedral Cadmium Chalcogenide Clusters with Bifunctional Covalent Linkers. Chemistry of Materials, 2006, 18, 4307-4311.	6.7	67
135	Porous Lithium Imidazolate Frameworks Constructed with Chargeâ€Complementary Ligands. Chemistry - A European Journal, 2010, 16, 13035-13040.	3.3	66
136	A 3D Openâ€“Framework Indium Telluride and Its Selenide and Sulfide Analogues We thank UC Riverside, UC Energy Institute, and the donors of The Petroleum Research Fund (administered by the ACS) for funding.. Angewandte Chemie - International Edition, 2002, 41, 1959.	13.8	65
137	Three-Dimensional Frameworks of Gallium Selenide Supertetrahedral Clusters. Angewandte Chemie - International Edition, 2004, 43, 1502-1505.	13.8	65
138	A zeolitic porous lithiumâ€“organic framework constructed from cubane clusters. Chemical Communications, 2011, 47, 5536-5538.	4.1	65
139	Two-Dimensional Indium Sulfide Framework Constructed from Pentasupertetrahedral P1 and Supertetrahedral T2 Clusters. Inorganic Chemistry, 2006, 45, 6684-6687.	4.0	64
140	In Situ Synthesis of Tetradentate Dye for Construction of Three-Dimensional Homochiral Phosphor. Chemistry of Materials, 2008, 20, 5457-5459.	6.7	63
141	Boratabenzene Complexes of Cr(III). Journal of the American Chemical Society, 2000, 122, 730-731.	13.7	62
142	Two Zeoliteâ€Type Frameworks in One Metalâ€“Organic Framework with Zn₂₄@Zn₁₀₄ Cubeâ€inâ€Sodalite Architecture. Angewandte Chemie - International Edition, 2012, 51, 8538-8541.	13.8	62
143	Hostâ^'Guest Symmetry and Charge Matching in Two Germanates with Intersecting Three-Dimensional Channels. Chemistry of Materials, 2000, 12, 1505-1507.	6.7	61
144	One-dimensional coordination polymers containing penta-supertetrahedral sulfide clusters linked by dipyridyl ligands. Chemical Communications, 2005, , 4916.	4.1	61

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