

Thierry Loiseau

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Open-Framework Inorganic Materials. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3268-3292.	7.2	2,307
2	A Rationale for the Large Breathing of the Porous Aluminum Terephthalate (MIL-53) Upon Hydration. <i>Chemistry - A European Journal</i> , 2004, 10, 1373-1382.	1.7	1,815
3	Different Adsorption Behaviors of Methane and Carbon Dioxide in the Isotypic Nanoporous Metal Terephthalates MIL-53 and MIL-47. <i>Journal of the American Chemical Society</i> , 2005, 127, 13519-13521.	6.6	1,005
4	Hydrogen adsorption in the nanoporous metal-benzenedicarboxylate $M(OH)(O_2C-C_6H_4-CO_2)$ ($M = Ti, Zr, Hf$). <i>Journal of the American Chemical Society</i> , 2005, 127, 13522-13523.	2.2	668
5	Comparative Study of Hydrogen Sulfide Adsorption in the MIL-53(Al, Cr, Fe), MIL-47(V), MIL-100(Cr), and MIL-101(Cr) Metal-Organic Frameworks at Room Temperature. <i>Journal of the American Chemical Society</i> , 2009, 131, 8775-8777.	6.6	461
6	MIL-96, a Porous Aluminum Trimesate 3D Structure Constructed from a Hexagonal Network of 18-Membered Rings and $1/3$ -Oxo-Centered Trinuclear Units. <i>Journal of the American Chemical Society</i> , 2006, 128, 10223-10230.	6.6	386
7	Synthesis and Modification of a Functionalized 3D Open-Framework Structure with MIL-53 Topology. <i>Inorganic Chemistry</i> , 2009, 48, 3057-3064.	1.9	358
8	The crystal chemistry of uranium carboxylates. <i>Coordination Chemistry Reviews</i> , 2014, 266-267, 69-109.	9.5	336
9	Pd Nanoparticles Embedded into a Metal-Organic Framework: Synthesis, Structural Characteristics, and Hydrogen Sorption Properties. <i>Journal of the American Chemical Society</i> , 2010, 132, 2991-2997.	6.6	320
10	Synthesis, Single-Crystal X-ray Microdiffraction, and NMR Characterizations of the Giant Pore Metal-Organic Framework Aluminum Trimesate MIL-100. <i>Chemistry of Materials</i> , 2009, 21, 5695-5697.	3.2	290
11	The Kagomé Topology of the Gallium and Indium Metal-Organic Framework Types with a MIL-68 Structure: Synthesis, XRD, Solid-State NMR Characterizations, and Hydrogen Adsorption. <i>Inorganic Chemistry</i> , 2008, 47, 11892-11901.	1.9	270
12	$[Al_4(OH)_2(OCH_3)_4(H_2N)_3]_n$. A 12-Connected Porous Metal-Organic Framework with an Unprecedented Aluminum-Containing Brick. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5163-5166.	7.2	260
13	XRD and IR structural investigations of a particular breathing effect in the MOF-type gallium terephthalate MIL-53(Ga). <i>Dalton Transactions</i> , 2009, , 2241.	1.6	250
14	Capture of iodine in highly stable metal-organic frameworks: a systematic study. <i>Chemical Communications</i> , 2013, 49, 10320.	2.2	249
15	Hydrocarbon Adsorption in the Flexible Metal Organic Frameworks MIL-53(Al, Cr). <i>Journal of the American Chemical Society</i> , 2008, 130, 16926-16932.	6.6	244
16	Al ₃₀ : A Giant Aluminum Polycation. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 511-514.	7.2	204
17	Breathing Transitions in MIL-53(Al) Metal-Organic Framework Upon Xenon Adsorption. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8314-8317.	7.2	176
18	A microdiffraction set-up for nanoporous metal-organic-framework-type solids. <i>Nature Materials</i> , 2007, 6, 760-764.	13.3	154

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19	Hydrothermal synthesis and crystal structure of a new three-dimensional aluminum-organic framework MIL-69 with 2,6-naphthalenedicarboxylate (ndc), Al(OH)(ndc)·H ₂ O. <i>Comptes Rendus Chimie</i> , 2005, 8, 765-772.	0.2	145
20	High-Throughput Aided Synthesis of the Porous Metal-Organic Framework-Type Aluminum Pyromellitate, MIL-121, with Extra Carboxylic Acid Functionalization. <i>Inorganic Chemistry</i> , 2010, 49, 9852-9862.	1.9	139
21	On the breathing effect of a metal-organic framework upon CO ₂ adsorption: Monte Carlo compared to microcalorimetry experiments. <i>Chemical Communications</i> , 2007, , 3261.	2.2	137
22	Probing the Adsorption Sites for CO ₂ in Metal Organic Frameworks Materials MIL-53 (Al). <i>Journal of Physical Chemistry C</i> , 2007, 111, 1500-1505.	1.5	137
23	Infrared Spectroscopy Investigation of the Acid Sites in the Metal-Organic Framework Aluminum Trimesate MIL-100(Al). <i>Journal of Physical Chemistry C</i> , 2012, 116, 5710-5719.	1.5	136
24	Time-Resolved In-Situ Energy and Angular Dispersive X-ray Diffraction Studies of the Formation of the Microporous Gallophosphate ULM-5 under Hydrothermal Conditions. <i>Journal of the American Chemical Society</i> , 1999, 121, 1002-1015.	6.6	125
25	Adsorption of CO ₂ in metal organic frameworks of different metal centres: Grand Canonical Monte Carlo simulations compared to experiments. <i>Adsorption</i> , 2007, 13, 461-467.	1.4	123
26	Thorium Terephthalates Coordination Polymers Synthesized in Solvothermal DMF/H ₂ O System. <i>Inorganic Chemistry</i> , 2015, 54, 2235-2242.	1.9	123
27	Oxyfluorinated Microporous Compounds. <i>Journal of Solid State Chemistry</i> , 1994, 111, 403-415.	1.4	121
28	Uranyl and/or Rare-Earth Mellitates in Extended Organic-Inorganic Networks: A Unique Case of Heterometallic Cation-Cation Interaction with UVI-III Bonding (Ln = Ce, Nd). <i>Journal of the American Chemical Society</i> , 2012, 134, 1275-1283.	6.6	118
29	Three-Dimensional MOF-Type Architectures with Tetravalent Uranium Hexanuclear Motifs (U ₆ O ₈). <i>Chemistry - A European Journal</i> , 2013, 19, 5324-5331.	1.7	115
30	Charge distribution in metal organic framework materials: transferability to a preliminary molecular simulation study of the CO ₂ adsorption in the MIL-53 (Al) system. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1059-1063.	1.3	112
31	¹²⁹ Xe NMR Study of the Framework Flexibility of the Porous Hybrid MIL-53(Al). <i>Journal of the American Chemical Society</i> , 2010, 132, 11599-11607.	6.6	109
32	In Situ NMR, Ex Situ XRD and SEM Study of the Hydrothermal Crystallization of Nanoporous Aluminum Trimesates MIL-96, MIL-100, and MIL-110. <i>Chemistry of Materials</i> , 2012, 24, 2462-2471.	3.2	107
33	Isomerization of the Prenucleation Building Unit during Crystallization of AlPO ₄ -CJ2: An MQMAS, CP-MQMAS, and HETCOR NMR Study. <i>Journal of the American Chemical Society</i> , 1999, 121, 12148-12153.	6.6	102
34	Occurrence of Uncommon Infinite Chains Consisting of Edge-Sharing Octahedra in a Porous Metal Organic Framework-Type Aluminum Pyromellitate Al ₄ (OH) ₈ [C ₁₀ O ₈ H ₂] (MIL-120): Synthesis, Structure, and Gas Sorption Properties. <i>Chemistry of Materials</i> , 2009, 21, 5783-5791.	3.2	102
35	NMR of microporous compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 158, 299-311.	2.3	91
36	A microporous scandium terephthalate, Sc ₂ (O ₂ C ₆ H ₄ CO ₂) ₃ , with high thermal stability. <i>Chemical Communications</i> , 2005, , 3850.	2.2	89

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37	Occurrence of an Octanuclear Motif of Uranyl Isophthalate with Cation-Cation Interactions through Edge-Sharing Connection Mode. <i>Inorganic Chemistry</i> , 2011, 50, 6243-6249.	1.9	89
38	Structural Transitions and Flexibility during Dehydration-Rehydration Process in the MOF-type Aluminum Pyromellitate $\text{Al}_2(\text{OH})_2[\text{C}_{10}\text{O}_8\text{H}_2]$ (MIL-118). <i>Crystal Growth and Design</i> , 2009, 9, 2927-2936.	1.4	87
39	Order-Disorder in the Super-Sodalite $\text{Zn}_3\text{Al}_6(\text{PO}_4)_{12} \cdot 4\text{H}_2\text{O}$ (MIL-74): A Combined XRD-NMR Assessment. <i>Journal of the American Chemical Society</i> , 2003, 125, 9102-9110.	6.6	85
40	Series of Mixed Uranyl-Lanthanide (Ce, Nd) Organic Coordination Polymers with Aromatic Polycarboxylates Linkers. <i>Inorganic Chemistry</i> , 2012, 51, 9610-9618.	1.9	84
41	Uranyl-Pyromellitate Coordination Polymers: Toward Three-Dimensional Open Frameworks with Large Channel Systems. <i>Crystal Growth and Design</i> , 2012, 12, 526-535.	1.4	81
42	Isolation of the Large $\{ \text{Actinide} \}_{38}$ Poly-oxo Cluster with Uranium. <i>Journal of the American Chemical Society</i> , 2013, 135, 15678-15681.	6.6	81
43	Nanoporous Solids: How Do They Form? An In Situ Approach. <i>Chemistry of Materials</i> , 2014, 26, 299-309.	3.2	80
44	Oxyfluorinated Microporous Compounds. I. Crystal Structure of $(\text{NH}_4)_{0.93}(\text{H}_3\text{O})_{0.07}\text{GaPO}_4(\text{OH})_{0.5}\text{F}_{0.5}$; Reexamination of the Structure of $\text{AlPO}_4\text{-CJ2}$. <i>Journal of Solid State Chemistry</i> , 1993, 105, 179-190.	1.4	79
45	Six-Fold Coordinated Uranyl Cations in Extended Coordination Polymers. <i>Crystal Growth and Design</i> , 2012, 12, 4641-4648.	1.4	79
46	of reference GaIV, GaV, and GaVI compounds by MAS and QPASS, extension of gallium/aluminum NMR parameter correlation. <i>Solid State Nuclear Magnetic Resonance</i> , 1999, 15, 159-169.	1.5	77
47	A new indium metal-organic 3D framework with 1,3,5-benzenetricarboxylate, MIL-96 (In), containing $\frac{1}{3}$ -oxo-centered trinuclear units and a hexagonal 18-ring network. <i>Materials Research Bulletin</i> , 2006, 41, 948-954.	2.7	76
48	Revisiting the Uranyl-phthalate System: Isolation and Crystal Structures of Two Types of Uranyl Organic Frameworks (UOF). <i>Crystal Growth and Design</i> , 2011, 11, 1940-1947.	1.4	76
49	Synthesis, crystal structure and ^{71}Ga solid state NMR of a MOF-type gallium trimesate (MIL-96) with $\frac{1}{3}$ -oxo bridged trinuclear units and a hexagonal 18-ring network. <i>Microporous and Mesoporous Materials</i> , 2007, 105, 111-117.	2.2	74
50	A new open-framework fluorinated gallium phosphate with large 18-ring channels (MIL-31). <i>Chemical Communications</i> , 2000, , 943-944.	2.2	73
51	Crystalline oxyfluorinated open-framework compounds: Silicates, metal phosphates, metal fluorides and metal-organic frameworks (MOF). <i>Journal of Fluorine Chemistry</i> , 2007, 128, 413-422.	0.9	73
52	Monitoring the Activation Process of the Giant Pore MIL-100(Al) by Solid State NMR. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17934-17944.	1.5	70
53	Probing ^{27}Al - ^{13}C proximities in metal-organic frameworks using dynamic nuclear polarization enhanced NMR spectroscopy. <i>Chemical Communications</i> , 2014, 50, 933-935.	2.2	67
54	Stability of metal-organic frameworks under gamma irradiation. <i>Chemical Communications</i> , 2016, 52, 12502-12505.	2.2	67

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55	MIL-50, an Open-Framework GaPO with a Periodic Pattern of Small Water Ponds and Dry Rubidium Atoms: A Combined XRD, NMR, and Computational Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 1912-1922.	6.6	66
56	Utilization of Cyclopentylamine as Structure-Directing Agent for the Formation of Fluorinated Gallium Phosphates Exhibiting Extra-Large-Pore Open Frameworks with 16-ring (ULM-16) and 18-ring Channels (MIL-46). <i>Chemistry of Materials</i> , 2002, 14, 1340-1347.	3.2	65
57	Synthesis and crystal structure of ULM-16, a new open-framework fluorinated gallium phosphate with 16-ring channels: $\text{Ga}_4(\text{PO}_4)_4\text{F}_2 \cdot 1.5\text{NC}_6\text{H}_{14} \cdot 0.5\text{H}_2\text{O} \cdot 0.5\text{H}_3\text{O}$. <i>Journal of Materials Chemistry</i> , 1996, 6, 1073-1074.	6.7	63
58	Hydrothermal Synthesis and Structural Characterization of a New Organically Templated Germanate, $\text{Ge}_{10}\text{O}_{21}(\text{OH}) \cdot \text{N}_4\text{C}_6\text{H}_{21}$. <i>Inorganic Chemistry</i> , 2002, 41, 3962-3966.	1.9	63
59	Synthesis, Structures, and Reactivity of Two Compounds Containing the Tancoite-like $[\text{Ga}(\text{HPO}_4)_2\text{F}]_2$ -chain. <i>Chemistry of Materials</i> , 2000, 12, 1977-1984.	3.2	60
60	Structural Observations of Heterometallic Uranyl Copper(II) Carboxylates and Their Solid-State Topotactic Transformation upon Dehydration. <i>Chemistry - A European Journal</i> , 2013, 19, 2012-2022.	1.7	59
61	An in Situ Energy-Dispersive X-ray Diffraction Study of the Hydrothermal Crystallizations of Open-Framework Gallium Oxyfluorophosphates with the ULM-3 and ULM-4 Structures. <i>Chemistry of Materials</i> , 1999, 11, 3201-3209.	3.2	58
62	The room-temperature crystallisation of a one-dimensional gallium fluorophosphate, $\text{Ga}(\text{HPO}_4)_2\text{F} \cdot \text{H}_3\text{N}(\text{CH}_2)_3\text{NH}_3 \cdot 2\text{H}_2\text{O}$, a precursor to three-dimensional microporous gallium fluorophosphates. <i>Chemical Communications</i> , 2000, , 203-204.	2.2	58
63	Mixed Formate-Dicarboxylate Coordination Polymers with Tetravalent Uranium: Occurrence of Tetranuclear $\{\text{U}_{4}\text{O}_{4}\}$ and Hexanuclear $\{\text{U}_{6}\text{O}_{4}(\text{OH})_{4}\}$ Motifs. <i>Crystal Growth and Design</i> , 2013, 13, 3225-3231.	1.4	58
64	Oxyfluorinated Microporous Compounds. <i>Journal of Solid State Chemistry</i> , 1994, 111, 427-436.	1.4	57
65	Synthesis and structural characterization of a new open-framework zinc terephthalate $\text{Zn}_3(\text{OH})_2(\text{bdc})_2 \cdot 2\text{DEF}$, with infinite $\text{Zn}(\frac{1}{4}\text{OH})\text{Zn}$ chains. <i>Journal of Solid State Chemistry</i> , 2005, 178, 621-628.	1.4	57
66	Syntheses and structures of the MOF-type series of metal 1,4,5,8-naphthalenetetracarboxylates $\text{M}_2(\text{OH})_2[\text{C}_{14}\text{O}_8\text{H}_4]$ (Al, Ga, In) with infinite trans-connected $\text{M}(\text{OH})\text{M}$ chains (MIL-122). <i>Solid State Sciences</i> , 2009, 11, 1507-1512.	1.5	56
67	An uranyl citrate coordination polymer with a 3D open-framework involving uranyl cation-cation interactions. <i>Dalton Transactions</i> , 2011, 40, 2422.	1.6	56
68	Crystal chemistry of aluminium carboxylates: From molecular species towards porous infinite three-dimensional networks. <i>Comptes Rendus Chimie</i> , 2015, 18, 1350-1369.	0.2	56
69	Crystal Chemistry of Uranyl Carboxylate Coordination Networks Obtained in the Presence of Organic Amine Molecules. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1322-1332.	1.0	55
70	Is Water Templating Nanoporous Materials?. <i>Chemistry - A European Journal</i> , 2004, 10, 1366-1372.	1.7	54
71	Iodine sequestration by thiol-modified MIL-53(Al). <i>CrystEngComm</i> , 2016, 18, 8108-8114.	1.3	54
72	A MOF-type magnesium benzene-1,3,5-tribenzoate with two-fold interpenetrated ReO_3 nets. <i>CrystEngComm</i> , 2009, 11, 58-60.	1.3	53

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73	⁷¹ Ga Slow-CTMAS NMR and Crystal Structures of MOF-Type Gallium Carboxylates with Infinite Edge-Sharing Octahedra Chains (MIL-120 and MIL-124). <i>Chemistry of Materials</i> , 2011, 23, 39-47.	3.2	53
74	ULM-18, a Fluorinated Gallium Phosphate with Perforated Layers: XRD and NMR, Structure Determination, and HF Localization in a D4R. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8588-8598.	1.2	52
75	In situ NMR study of hydrothermal synthesis of a template-mediated microporous aluminophosphate material: AlPO ₄ -CJ2. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1998, 95, 302-309.	0.2	52
76	Hydrothermal Crystallization of Three Calcium-Based Hybrid Solids with 2,6-Naphthalene- or 4,4'-Biphenyl-Dicarboxylates. <i>Crystal Growth and Design</i> , 2008, 8, 685-689.	1.4	51
77	The Extra-Framework Sub-Lattice of the Metal-Organic Framework MIL-10: A Solid-State NMR Investigation. <i>Chemistry - A European Journal</i> , 2009, 15, 3139-3146.	1.7	51
78	Metal-Organic-Framework-Type 1D-Channel Open Network of a Tetravalent Uranium Trimesate. <i>Inorganic Chemistry</i> , 2011, 50, 11865-11867.	1.9	50
79	Dynamic sorption properties of Metal-Organic Frameworks for the capture of methyl iodide. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 244-254.	2.2	48
80	Synthesis and structural characterization of the first neptunium based metal-organic frameworks incorporating {Np ₆ O ₈ } hexanuclear clusters. <i>Chemical Communications</i> , 2018, 54, 6979-6982.	2.2	48
81	The Direct Heat Measurement of Mechanical Energy Storage Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4626-4630.	7.2	47
82	Synthesis and ab Initio Structure Determination from X-Ray Powder Diffraction of MIL-12, a New Layered Fluoroaluminophosphate Templated with 1,3 Diaminopropane: [N ₂ C ₃ H ₁₂]Al ₂ (PO ₄)(OH) _x (F _{5-x}) ₂ . <i>Journal of Solid State Chemistry</i> , 1999, 147, 92-98.	1.4	46
83	Hydrothermal Synthesis and Structural Characterization of (NH ₄)GaPO ₄ F, KTP-type and (NH ₄) ₂ Ga ₂ (PO ₄)(HPO ₄)F ₃ , Pseudo-KTP-type Materials. <i>Chemistry of Materials</i> , 2000, 12, 1393-1399.	3.2	46
84	Hydrothermal synthesis and structural characterization of a gallium pyromellitate Ga(OH)(btec) _n ·0.5H ₂ O, with infinite Ga-(OH)-Ga chains (MIL-61). <i>Solid State Sciences</i> , 2005, 7, 603-609.	1.5	45
85	Synthesis and Crystal Structure of a New VI/V Mixed Valence Microporous Compound V ₃ P ₂ O ₁₃ (H ₂ O) ₂ , H ₃ N(CH ₂) ₃ NH ₃ . <i>Journal of Solid State Chemistry</i> , 1994, 111, 416-421.	1.4	44
86	Capture of actinides (Th ⁴⁺ , [UO ₂] ²⁺) and surrogating lanthanide (Nd ³⁺) in porous metal-organic framework MIL-100(Al) from water: selectivity and imaging of embedded nanoparticles. <i>Dalton Transactions</i> , 2017, 46, 12010-12014.	1.6	44
87	Observation and Reactivity of the Chainlike Species ([Al(PO ₄) ₂] ₃) during the X-ray Diffraction Investigation of the Hydrothermal Synthesis of the Super-sodalite Sodium Aluminophosphate MIL-74 (Na ₂ Al ₇ (PO ₄) ₁₂ ·4H ₂ O·Na(H ₂ O) ₁₆). <i>Journal of Physical Chemistry B</i> , 2004, 108, 20020-20029.	1.2	42
88	Real, virtual and not yet discovered porous structures using scale chemistry and/or simulation. A tribute to Sten Andersson. <i>Solid State Sciences</i> , 2003, 5, 79-94.	1.5	41
89	Synthesis and X-ray structural characterization of a novel oxyfluorinated microporous gallium phosphate with encapsulated 1,4-diazabicyclo[2.2.2]octane as the template: Ga ₃ (PO ₄)(HPO ₄) ₂ F ₃ (OH)·C ₆ N ₂ H ₁₄ ·0.5 H ₂ O. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, 1197-1198.	2.0	39
90	Oxyfluorinated Microporous Compounds. II. Solid State NMR of (NH ₄) _{0.88} (H ₃ O) _{0.12} AlPO ₄ (OH) _{0.33} F _{0.67} . <i>Journal of Solid State Chemistry</i> , 1993, 105, 191-196.	1.4	38

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91	Preparation and crystal structure of a new gallium phosphate $[H_3N(CH_2)_3NH_3]_2 + [GaH(PO_4)_2]_2$ from water in Me ₂ SO. <i>Chemical Communications</i> , 1997, , 1093-1094.	2.2	38
92	Hydrothermal synthesis (in water in dimethylformamide) and crystal structure of MIL-30, a new layered fluorinated gallium phosphate with 1,3-diaminopropane and dimethylamine as templates. <i>Journal of Materials Chemistry</i> , 2000, 10, 1225-1229.	6.7	38
93	Coordination polymers of uranium(^{IV}) terephthalates. <i>Dalton Transactions</i> , 2015, 44, 2639-2649.	1.6	38
94	Syntheses and ³¹ P NMR Studies of Cyclic Oxothiomolybdate(V) Molecular Rings: Exchange Properties and Crystal Structures of the Monophosphate Decamer $[(H_2PO_4)Mo_{10}S_{10}O_{10}(OH)_{11}(H_2O)_2]_{10}$ and the Diphosphate Dodecamer $[(HPO_4)_2Mo_{12}S_{12}O_{12}(OH)_{12}(H_2O)_2]_{12}$. <i>Chemistry - A European Journal</i> , 1999, 5, 3390-3398.	1.7	36
95	Crystallization of a Large-Pore Three-Dimensional Gallium Fluorophosphate under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4552-4555.	7.2	36
96	Water-Free Neodymium 2,6-Naphthalenedicarboxylates Coordination Complexes and Their Application as Catalysts for Isoprene Polymerization. <i>Inorganic Chemistry</i> , 2012, 51, 483-490.	1.9	35
97	A new series of trivalent lanthanide (Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy) coordination polymers with a 1,2-cyclohexanedicarboxylate ligand: synthesis, crystal structure, luminescence and catalytic properties. <i>CrystEngComm</i> , 2016, 18, 3594-3605.	1.3	35
98	Synthesis and Structure of Low-Dimensional Gallium Fluorodiphosphates Seen during the Crystallization of the Three-Dimensional Microporous Gallium Fluorophosphate ULM-3. <i>Chemistry of Materials</i> , 2002, 14, 4448-4459.	3.2	34
99	Iodine Uptake by Zr-/Hf-Based UiO-66 Materials: The Influence of Metal Substitution on Iodine Evolution. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29916-29933.	4.0	34
100	Stabilization of Tetravalent 4f (Ce), 5d (Hf), or 5f (Th, U) Clusters by the $[SiW_9O_{34}]^{10-}$ Polyoxometalate. <i>Inorganic Chemistry</i> , 2015, 54, 8271-8280.	1.9	33
101	Stability and radioactive gaseous iodine-131 retention capacity of binderless UiO-66-NH ₂ granules under severe nuclear accidental conditions. <i>Journal of Hazardous Materials</i> , 2021, 416, 125890.	6.5	33
102	Formation of an intermediate during the hydrothermal synthesis of ULM-5 studied using time-resolved, in situ X-ray powder diffraction. <i>Chemical Communications</i> , 1997, , 521-522.	2.2	32
103	Hydrothermal Crystallization of Uranyl Coordination Polymers Involving an Imidazolium Dicarboxylate Ligand: Effect of pH on the Nuclearity of Uranyl-Centered Subunits. <i>Inorganic Chemistry</i> , 2016, 55, 8697-8705.	1.9	32
104	Chemistry vs Structure vs Simulation or Chemistry vs Simulation vs Structure Sequences? The Case of MIL-34, a New Porous Aluminophosphate. <i>Journal of the American Chemical Society</i> , 2001, 123, 9642-9651.	6.6	31
105	Lanthanide-based 0D and 2D molecular assemblies with the pyridazine-3,6-dicarboxylate linker. <i>CrystEngComm</i> , 2011, 13, 251-258.	1.3	31
106	Chain-like and dinuclear coordination polymers in lanthanide (Nd, Eu) oxochloride complexes with 2,2',6',6''-terpyridine: synthesis, XRD structure and magnetic properties. <i>Dalton Transactions</i> , 2011, 40, 9136.	4.6	31
107	Formation of a new type of uranium(^{IV}) poly-oxo cluster $\{U_{38}\}$ based on a controlled release of water via esterification reaction. <i>Chemical Science</i> , 2018, 9, 5021-5032.	3.7	31
108	Oxyfluorinated compounds with open structure XI. Interaction between the ULM-3 type framework and linear diamine templates of different chain lengths studied by X-ray diffraction and solid-state nuclear magnetic resonance characterization. <i>Microporous Materials</i> , 1996, 5, 365-379.	1.6	30

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109	Synthesis, characterization and structure determination of a new fluorogallophosphate (Mu-3) prepared in the presence of ethylene glycol as main solvent. <i>Microporous and Mesoporous Materials</i> , 1998, 22, 43-55.	2.2	30
110	Two chain gallium fluorodiphosphates: synthesis, structure solution, and their transient presence during the hydrothermal crystallisation of a microporous gallium fluorophosphate. Electronic supplementary information (ESI) available: crystal data, atomic coordinates and metrical data for 1 and 2. See http://www.rsc.org/suppdata/cc/b2/b201178f/ . <i>Chemical Communications</i> , 2002, , 826-827.	2.2	30
111	A new calcium trimellitate coordination polymer with a chain-like structure. <i>Solid State Sciences</i> , 2007, 9, 455-458.	1.5	30
112	Synthesis and Crystal Structure Characterization of Thorium Trimesate Coordination Polymers. <i>Crystal Growth and Design</i> , 2016, 16, 1667-1678.	1.4	30
113	{Np ₃₈ } clusters: the missing link in the largest poly-oxo cluster series of tetravalent actinides. <i>Chemical Communications</i> , 2018, 54, 10060-10063.	2.2	30
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