

Thierry Loiseau

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198
papers

15,258
citations

57
h-index

120
g-index

227
ext. papers

16,309
ext. citations

5.8
avg, IF

6.31
L-index

#	Paper	IF	Citations
198	Capture of Gaseous Iodine in Isoreticular Zirconium-Based UiO-n Metal-Organic Frameworks: Influence of Amino Functionalization, DFT Calculations, Raman and EPR Spectroscopic Investigation.. <i>Chemistry - A European Journal</i> , 2022 , e202104437	4.8	2
197	Cyclodextrins: a new and effective class of co-modulators for aqueous zirconium-MOF syntheses. <i>CrystEngComm</i> , 2021 , 23, 2764-2772	3.3	0
196	Stability and radioactive gaseous iodine-131 retention capacity of binderless UiO-66-NH granules under severe nuclear accidental conditions. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125890	12.8	7
195	Influence of pH on CeIV-[AsIIW9O33]9 ⁻ association for the formation of hexanuclear cerium(IV) oxo-hydroxo-clusters stabilized by trivalent polyanions. <i>CrystEngComm</i> , 2020 , 22, 371-380	3.3	3
194	Synthesis and Structural Characterization of Lanthanide-Containing Polytungsto-antimonate [Sb ₃ (μ ₃ -O) ₂ Ln(H ₂ O) ₂ Ln(H ₂ O) ₂] ₂ (SbW ₁₀ O ₃₇) ₂ (SbW ₈ O ₃₁) ₂] ₂₂ Molecules Deriving from the Decomposition of the [Sb ₈ W ₃₆ O ₁₃₂] ₂₄ Macroanion. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3637-3645	2.3	
193	Quantitative Precipitation of Uranyl or Plutonyl Nitrate with N-(1-Adamantyl)acetamide in Nitric Acid Aqueous Solution. <i>Inorganic Chemistry</i> , 2020 , 59, 11459-11468	5.1	3
192	Trends and new directions in the crystal chemistry of actinide oxo-clusters incorporated in polyoxometalates. <i>CrystEngComm</i> , 2020 , 22, 3549-3562	3.3	5
191	Time-controlled synthesis of the 3D coordination polymer U(1,2,3-Hbtc) followed by the formation of molecular poly-oxo cluster {U} containing hemimellitate uranium(iv).. <i>RSC Advances</i> , 2019 , 9, 22795-22804	2.7	10
190	Optimization of the synthesis of UiO-66(Zr) in ionic liquids. <i>Microporous and Mesoporous Materials</i> , 2019 , 288, 109564	5.3	11
189	Influence of Light and Temperature on the Extractability of Cerium(IV) as a Surrogate of Plutonium(IV) and its Effect on the Simulation of an Accidental Fire in the PUREX Process. <i>ACS Omega</i> , 2019 , 4, 12896-12904	3.9	6
188	Crystal Chemistry and SAXS Studies of an Octahedral Polyoxoarsenotungstate Nanocluster Encapsulating Four Unprecedented Thorium Arsenate Fragments ({Th ₃ As ₂ O _n } [n = 25 or 26]). <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4487-4487	2.3	
187	Crystal Chemistry and SAXS Studies of an Octahedral Polyoxoarsenotungstate Nanocluster Encapsulating Four Unprecedented Thorium Arsenate Fragments ({Th ₃ As ₂ O _n } [n = 25 or 26]). <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4500-4505	2.3	4
186	Uranyl Cation Incorporation in the [PWO] Macrocycle Phosphopolytungstate. <i>Inorganic Chemistry</i> , 2019 , 58, 1091-1099	5.1	11
185	Molecular Assemblies of a Series of Mixed Tetravalent Uranium and Trivalent Lanthanide Complexes Associated with the Dipicolinate Ligand, in Aqueous Medium. <i>Crystal Growth and Design</i> , 2018 , 18, 2165-2179	3.5	8
184	Dynamic sorption properties of Metal-Organic Frameworks for the capture of methyl iodide. <i>Microporous and Mesoporous Materials</i> , 2018 , 259, 244-254	5.3	25
183	Complexation of tetravalent uranium cations by the As ₄ W ₄₀ O ₁₄₀ cryptand. <i>CrystEngComm</i> , 2018 , 20, 5500-5509	3.3	6
182	Formation of a new type of uranium(iv) poly-oxo cluster {U} based on a controlled release of water esterification reaction. <i>Chemical Science</i> , 2018 , 9, 5021-5032	9.4	23

181	{Np} clusters: the missing link in the largest poly-oxo cluster series of tetravalent actinides. <i>Chemical Communications</i> , 2018 , 54, 10060-10063	5.8	23
180	Bottom-up synthesis of functionalized {Ce ₄ (SiW ₉ O ₃₄) ₂ (L) ₂ } polyoxometalates. <i>CrystEngComm</i> , 2018 , 20, 7144-7155	3.3	3
179	The Surprising Stability of Cu ₃ (btc) ₂ Metal-Organic Framework under Steam Flow at High Temperature. <i>Crystal Growth and Design</i> , 2018 , 18, 6681-6693	3.5	17
178	A DFT study of RuO interactions with porous materials: metal-organic frameworks (MOFs) and zeolites. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 16770-16776	3.6	19
177	Synthesis and structural characterization of the first neptunium based metal-organic frameworks incorporating {NpO} hexanuclear clusters. <i>Chemical Communications</i> , 2018 , 54, 6979-6982	5.8	37
176	NMR crystallography to probe the breathing effect of the MIL-53(Al) metal-organic framework using solid-state NMR measurements of C-Al distances. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017 , 73, 176-183	0.8	17
175	Synthesis of Coordination Polymers of Tetravalent Actinides (Uranium and Neptunium) with a Phthalate or Mellitate Ligand in an Aqueous Medium. <i>Inorganic Chemistry</i> , 2017 , 56, 2902-2913	5.1	24
174	Synthesis of a large dodecameric cerium cluster stabilized by the [SiW ₉ O ₃₄] ₁₀ polyoxometalate. <i>Inorganic Chemistry Communication</i> , 2017 , 83, 52-54	3.1	9
173	Solid-State NMR Spectroscopy Proves the Presence of Penta-coordinated Sc Sites in MIL-100(Sc). <i>Chemistry - A European Journal</i> , 2017 , 23, 9525-9534	4.8	15
172	Structural studies of a series of uranyl alkylacetamides and piracetam complexes obtained in nitric acid aqueous solution. <i>Polyhedron</i> , 2017 , 138, 7-12	2.7	4
171	Capture of actinides (Th, [UO]) and surrogating lanthanide (Nd) in porous metal-organic framework MIL-100(Al) from water: selectivity and imaging of embedded nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 12010-12014	4.3	27
170	Study of Xenon Mobility in the Two Forms of MIL-53(Al) Using Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19262-19268	3.8	12
169	Synthesis and Crystal Structure Characterization of Thorium Trimesate Coordination Polymers. <i>Crystal Growth and Design</i> , 2016 , 16, 1667-1678	3.5	23
168	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	3.3	30
167	Study of the reaction mechanisms involved in the formation of zirconium oxycarbide from Metal-Organic Frameworks (MOFs) precursors. <i>Journal of Alloys and Compounds</i> , 2016 , 680, 571-585	5.7	6
166	Influence of the pH on the Condensation of Tetravalent Cerium Cations in Association with [SiW ₉ O ₃₄] ₁₀ Leading to the Formation of a Ce ₆ O ₄ (OH) ₄ Core. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5373-5379	2.3	12
165	Stability of metal-organic frameworks under gamma irradiation. <i>Chemical Communications</i> , 2016 , 52, 12502-12505	5.8	40
164	Series of Hydrated Heterometallic Uranyl-Cobalt(II) Coordination Polymers with Aromatic Polycarboxylate Ligands: Formation of U ^{VI} -Co Bonding upon Dehydration Process. <i>Inorganic Chemistry</i> , 2016 , 55, 10453-10466	5.1	21

163	Iodine sequestration by thiol-modified MIL-53(Al). <i>CrystEngComm</i> , 2016 , 18, 8108-8114	3.3	35
162	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, 8697-705	5.1	32
161	B-[AsW ₉ O ₃₃](9-) polyoxometalates incorporating hexanuclear uranium {U ₆ O ₈ }-like clusters bearing the U(IV) form or unprecedented mixed valence U(IV)/U(VI) involving direct U(VI)=O-U(IV) bonding. <i>Dalton Transactions</i> , 2015 , 44, 19772-6	4.3	13
160	Solvothermal Synthesis of Tetravalent Uranium with Isophthalate or Pyromellitate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2813-2821	2.3	9
159	Stabilization of Tetravalent 4f (Ce), 5d (Hf), or 5f (Th, U) Clusters by the [SiW ₉ O ₃₄](10-) Polyoxometalate. <i>Inorganic Chemistry</i> , 2015 , 54, 8271-80	5.1	24
158	Coordination polymers of uranium(IV) terephthalates. <i>Dalton Transactions</i> , 2015 , 44, 2639-49	4.3	36
157	Ex-Situ Kinetic Investigations of the Formation of the Poly-Oxo Cluster U ₃₈ . <i>Chemistry - A European Journal</i> , 2015 , 21, 16654-64	4.8	21
156	Luminescent Lanthanide Metal Organic Frameworks for cis-Selective Isoprene Polymerization Catalysis. <i>Inorganics</i> , 2015 , 3, 467-481	2.9	8
155	Synthesis of zirconium oxycarbide powders using metal-organic framework (MOF) compounds as precursors. <i>RSC Advances</i> , 2015 , 5, 51650-51661	3.7	7
154	Crystal chemistry of aluminium carboxylates: From molecular species towards porous infinite three-dimensional networks. <i>Comptes Rendus Chimie</i> , 2015 , 18, 1350-1369	2.7	40
153	Thorium terephthalates coordination polymers synthesized in solvothermal DMF/H ₂ O system. <i>Inorganic Chemistry</i> , 2015 , 54, 2235-42	5.1	102
152	The Direct Heat Measurement of Mechanical Energy Storage Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2015 , 127, 4709-4713	3.6	3
151	The direct heat measurement of mechanical energy storage metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4626-30	16.4	42
150	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	2.3	52
149	Crystal structures of tetravalent uranium fluorides obtained in the presence of hydrazine from uranyl source. <i>Journal of Fluorine Chemistry</i> , 2014 , 159, 1-7	2.1	5
148	Probing ²⁷ Al- ¹³ C proximities in metal-organic frameworks using dynamic nuclear polarization enhanced NMR spectroscopy. <i>Chemical Communications</i> , 2014 , 50, 933-5	5.8	63
147	Room temperature crystallization of trichlorodioxouranate [UO ₂ Cl ₃ (L)] species in molecular assemblies involving aliphatic dicarboxylate linkers. <i>Inorganic Chemistry Communication</i> , 2014 , 44, 63-66	3.1	15
146	Isolation of thorium benzoate polytypes with discrete ThO ₈ square antiprismatic units involved in chain-like assemblies. <i>Inorganic Chemistry Communication</i> , 2014 , 39, 26-30	3.1	11

145	Nanoporous Solids: How Do They Form? An In Situ Approach. <i>Chemistry of Materials</i> , 2014 , 26, 299-309	9.6	65
144	The crystal chemistry of uranium carboxylates. <i>Coordination Chemistry Reviews</i> , 2014 , 266-267, 69-109	23.2	293
143	Isolation of the large {actinide} ₃₈ poly-oxo cluster with uranium. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15678-81	16.4	72
142	Capture of iodine in highly stable metal-organic frameworks: a systematic study. <i>Chemical Communications</i> , 2013 , 49, 10320-2	5.8	186
141	Crystal structures of 2,2':6',2''-terpyridine uranyl chlorides molecular assemblies and their luminescence signatures. <i>Polyhedron</i> , 2013 , 50, 321-327	2.7	17
140	Synthesis and structural characterization of metal-organic frameworks with the mellitate linker M ₂ (OH) ₂ [C ₁₂ O ₁₂ H ₂] ₂ H ₂ O (M = Al, Ga, In) MIL-116. <i>Solid State Sciences</i> , 2013 , 26, 38-44	3.4	23
139	Three-dimensional MOF-type architectures with tetravalent uranium hexanuclear motifs (U ₆ O ₈). <i>Chemistry - A European Journal</i> , 2013 , 19, 5324-31	4.8	100
138	Structural observations of heterometallic uranyl copper(II) carboxylates and their solid-state topotactic transformation upon dehydration. <i>Chemistry - A European Journal</i> , 2013 , 19, 2012-22	4.8	56
137	Single-crystal XRD and solid-state NMR structural resolution of a layered fluorinated gallium phosphate: RbGa ₃ (PO ₄) ₂ (HPO ₄)F ₄ ·5/2H ₂ O (MIL-145). <i>Dalton Transactions</i> , 2013 , 42, 422-31	4.3	20
136	Mixed Formate-Dicarboxylate Coordination Polymers with Tetravalent Uranium: Occurrence of Tetranuclear {U ₄ O ₄ } and Hexanuclear {U ₆ O ₄ (OH) ₄ } Motifs. <i>Crystal Growth and Design</i> , 2013 , 13, 3225-3231	3.5	54
135	Synthesis, Structural Characterization, and Dehydration Analysis of Uranyl Zinc Mellitate, (UO ₂)Zn(H ₂ O) ₄ (H ₂ mel) ₂ ·2H ₂ O. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2109-2114	2.3	27
134	Uranyl-Byromellitate Coordination Polymers: Toward Three-Dimensional Open Frameworks with Large Channel Systems. <i>Crystal Growth and Design</i> , 2012 , 12, 526-535	3.5	75
133	Water-free neodymium 2,6-naphthalenedicarboxylates coordination complexes and their application as catalysts for isoprene polymerization. <i>Inorganic Chemistry</i> , 2012 , 51, 483-90	5.1	33
132	Series of mixed uranyl-lanthanide (Ce, Nd) organic coordination polymers with aromatic polycarboxylates linkers. <i>Inorganic Chemistry</i> , 2012 , 51, 9610-8	5.1	77
131	Six-Fold Coordinated Uranyl Cations in Extended Coordination Polymers. <i>Crystal Growth and Design</i> , 2012 , 12, 4641-4648	3.5	79
130	Uranyl and/or rare-earth mellitates in extended organic-inorganic networks: a unique case of heterometallic cation-cation interaction with U(VI)-O-Ln(III) bonding (Ln = Ce, Nd). <i>Journal of the American Chemical Society</i> , 2012 , 134, 1275-83	16.4	112
129	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	9.6	93
128	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	3.8	107

127	Lanthanide-based 0D and 2D molecular assemblies with the pyridazine-3,6-dicarboxylate linker. <i>CrystEngComm</i> , 2011 , 13, 251-258	3.3	31
126	Chain-like and dinuclear coordination polymers in lanthanide (Nd, Eu) oxochloride complexes with 2,2'-bipyridine: synthesis, XRD structure and magnetic properties. <i>Dalton Transactions</i> , 2011 , 40, 9136-44	4.3	25
125	Metal-organic-framework-type 1D-channel open network of a tetravalent uranium trimesate. <i>Inorganic Chemistry</i> , 2011 , 50, 11865-7	5.1	45
124	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	3.5	72
123	Synthesis and crystal structure of a new MOF-type indium pyromellitate (MIL-117) with infinite chains of unusual cis connection of octahedra $\text{InO}_4(\text{OH})_2$. <i>Solid State Sciences</i> , 2011 , 13, 1488-1493	3.4	10
122	Occurrence of an octanuclear motif of uranyl isophthalate with cation-cation interactions through edge-sharing connection mode. <i>Inorganic Chemistry</i> , 2011 , 50, 6243-9	5.1	87
121	Tetrameric entity resulting from two distinct dinuclear uranyl-centered motifs bridged through μ -OH and pyridazine-3,6-dicarboxylate. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 429-432	3.1	24
120	Microwave-assisted synthesis of a neodymium trichloride complex with phenanthroline containing infinite chains, $\text{NdCl}_3(\text{H}_2\text{O})(\text{phen})$. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 1525-1527	3.1	9
119	An uranyl citrate coordination polymer with a 3D open-framework involving uranyl cation-cation interactions. <i>Dalton Transactions</i> , 2011 , 40, 2422-4	4.3	52
118	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	3.8	59
117	^{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	9.6	47
116	Molecular assemblies of trichloride neodymium and europium complexes chelated by 1,10-phenanthroline. <i>Polyhedron</i> , 2011 , 30, 1289-1294	2.7	12
115	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, 9852-62	5.1	116
114	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, 2991-7	16.4	290
113	^{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, 11599-607	16.4	96
112	A layered coordination polymer based on an azodibenzoate linker connected to aluminium (MIL-129). <i>CrystEngComm</i> , 2010 , 12, 3225	3.3	15
111	Synthesis, crystal structure and thermal behavior of two hydrated forms of lanthanide phthalates $\text{Ln}_2(\text{O}_2+\text{C}_6\text{H}_4(\text{CO}_2)_3(\text{H}_2\text{O}))_3$ (Ln=Ce, Nd) and $\text{Nd}_2(\text{O}_2+\text{C}_6\text{H}_4(\text{CO}_2)_3(\text{H}_2\text{O}))_3$. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1943-1948	3.3	4
110	Two metal-organic frameworks with infinite indium hydroxide chains connected through tetradentate carboxylate linkers. <i>Solid State Sciences</i> , 2009 , 11, 29-35	3.4	23

109	Syntheses and structures of the MOF-type series of metal 1,4,5,8-naphthalenetetracarboxylates $M_2(OH)_2[C_{14}O_8H_4]$ (Al, Ga, In) with infinite trans-connected MOF chains (MIL-122). <i>Solid State Sciences</i> , 2009 , 11, 1507-1512	3.4	50
108	The extra-framework sub-lattice of the metal-organic framework MIL-110: a solid-state NMR investigation. <i>Chemistry - A European Journal</i> , 2009 , 15, 3139-46	4.8	48
107	$[Al_4(OH)_2(OCH_3)_4(H_2N-bdc)_3]_x \cdot xH_2O$: A 12-Connected Porous Metal-Organic Framework with an Unprecedented Aluminum-Containing Brick. <i>Angewandte Chemie</i> , 2009 , 121, 5265-5268	3.6	62
106	Breathing Transitions in MIL-53(Al) Metal-Organic Framework Upon Xenon Adsorption. <i>Angewandte Chemie</i> , 2009 , 121, 8464-8467	3.6	23
105	$[Al_4(OH)_2(OCH_3)_4(H_2N-bdc)_3] \cdot xH_2O$: a 12-connected porous metal-organic framework with an unprecedented aluminum-containing brick. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5163-6	16.4	233
104	Breathing transitions in MIL-53(Al) metal-organic framework upon xenon adsorption. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8314-7	16.4	161
103	A MOF-type magnesium benzene-1,3,5-tribenzoate with two-fold interpenetrated ReO_3 nets. <i>CrystEngComm</i> , 2009 , 11, 58-60	3.3	53
102	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, 8775-7	16.4	399
101	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	9.6	255
100	Structural Transitions and Flexibility during Dehydration/Rehydration Process in the MOF-type Aluminum Pyromellitate $Al_2(OH)_2[C_{10}O_8H_2]$ (MIL-118). <i>Crystal Growth and Design</i> , 2009 , 9, 2927-2936	3.5	77
99	Synthesis and modification of a functionalized 3D open-framework structure with MIL-53 topology. <i>Inorganic Chemistry</i> , 2009 , 48, 3057-64	5.1	324
98	Occurrence of Uncommon Infinite Chains Consisting of Edge-Sharing Octahedra in a Porous Metal Organic Framework-Type Aluminum Pyromellitate $Al_4(OH)_8[C_{10}O_8H_2]$ (MIL-120): Synthesis, Structure, and Gas Sorption Properties. <i>Chemistry of Materials</i> , 2009 , 21, 5783-5791	9.6	90
97	XRD and IR structural investigations of a particular breathing effect in the MOF-type gallium terephthalate MIL-53(Ga). <i>Dalton Transactions</i> , 2009 , 2241-9	4.3	229
96	Hydrocarbon adsorption in the flexible metal organic frameworks MIL-53(Al, Cr). <i>Journal of the American Chemical Society</i> , 2008 , 130, 16926-32	16.4	223
95	The Kagome 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, 11892-901	5.1	220
94	Probing the Adsorption Sites for CO ₂ in Metal Organic Frameworks Materials MIL-53 (Al, Cr) and MIL-47 (V) by Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 514-520	3.8	129
93	The use of aluminium and other p elements (gallium, indium) for the generation of MOF-type materials. <i>Studies in Surface Science and Catalysis</i> , 2008 , 447-450	1.8	3
92	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	3.5	49

91	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, 1059-63	3.6	106
90	Synthesis, crystal structure and ⁷¹ Ga solid state NMR of a MOF-type gallium trimesate (MIL-96) with β-oxo bridged trinuclear units and a hexagonal 18-ring network. <i>Microporous and Mesoporous Materials</i> , 2007 , 105, 111-117	5.3	70
89	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	2.1	67
88	A microdiffraction set-up for nanoporous metal-organic-framework-type solids. <i>Nature Materials</i> , 2007 , 6, 760-4	27	142
87	A new calcium trimellitate coordination polymer with a chain-like structure. <i>Solid State Sciences</i> , 2007 , 9, 455-458	3.4	30
86	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	2.6	118
85	The selective adsorption of n-alkanes over breathing metal organic frameworks. <i>Studies in Surface Science and Catalysis</i> , 2007 , 855-860	1.8	
84	On the breathing effect of a metal-organic framework upon CO ₂ adsorption: Monte Carlo compared to microcalorimetry experiments. <i>Chemical Communications</i> , 2007 , 3261-3	5.8	131
83	Divalent metal incorporation in MIL-74, the super-sodalite aluminum phosphates Al ₆ (PO ₄) ₁₂ ·4nH ₂ O (M=Mg, Mn, Co) and its gallium phosphate analogs Ga ₆ (PO ₄) ₁₂ ·4nH ₂ O (Mg, Mn, Co, Fe, Zn). <i>Solid State Sciences</i> , 2006 , 8, 346-352	3.4	12
82	Hydrothermal synthesis and crystal structures of two open-framework fluorinated aluminum phosphates templated by 1,3-diaminopropane (ULM-4 & MIL-64). <i>Solid State Sciences</i> , 2006 , 8, 1361-1367	3.4	16
81	A new indium metal-organic 3D framework with 1,3,5-benzenetricarboxylate, MIL-96 (In), containing β-oxo-centered trinuclear units and a hexagonal 18-ring network. <i>Materials Research Bulletin</i> , 2006 , 41, 948-954	5.1	73
80	MIL-96, a porous aluminum trimesate 3D structure constructed from a hexagonal network of 18-membered rings and μ ₃ -oxo-centered trinuclear units. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10223-30	16.4	337
79	A microporous scandium terephthalate, Sc ₂ (O ₂ CC ₆ H ₄ CO ₂) ₃ , with high thermal stability. <i>Chemical Communications</i> , 2005 , 3850-2	5.8	80
78	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, 13519-21	16.4	917
77	A ladderlike chain aluminum fluoride ([Al ₂ F ₈] ₂) _n with edge-sharing AlF ₆ octahedra. <i>Inorganic Chemistry</i> , 2005 , 44, 2920-5	5.1	18
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