

# Xiang-Jian Kong

## List of Publications by Year in descending order

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113  
papers

8,103  
citations

57758

44  
h-index

48315

88  
g-index

118  
all docs

118  
docs citations

118  
times ranked

6758  
citing authors

#	ARTICLE	IF	CITATIONS
1	A series of heterometallic 3d-4f polyoxometalates as single-molecule magnets. Chinese Chemical Letters, 2023, 34, 107251.	9.0	13
2	Functionalization of Keggin Fe <sub>13</sub> -Oxo Clusters. Inorganic Chemistry, 2023, 62, 1781-1785.	4.0	4
3	Lanthanide-containing clusters for catalytic water splitting and CO <sub>2</sub> conversion. Coordination Chemistry Reviews, 2022, 457, 214419.	18.8	41
4	Hierarchical Assembly of Coordination Macromolecules with Atypical Geometries: Gd <sub>44</sub> Co <sub>28</sub> Crown and Gd <sub>95</sub> Co <sub>60</sub> Cage. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
5	Hierarchical Assembly of Coordination Macromolecules with Atypical Geometries: Gd <sub>44</sub> Co <sub>28</sub> Crown and Gd <sub>95</sub> Co <sub>60</sub> Cage. Angewandte Chemie, 2022, 134, .	2.0	2
6	Asymmetric Cyanosilylation of Aldehydes by a Lewis Acid/Base Synergistic Catalyst of Chiral Metal Clusters. Inorganic Chemistry, 2022, 61, 4121-4129.	4.0	6
7	Counterintuitive Lanthanide Hydrolysis-Induced Assembly Mechanism. Journal of the American Chemical Society, 2022, 144, 5653-5660.	13.7	25
8	Modification of Multi-Component Building Blocks for Assembling Giant Chiral Lanthanide-Titanium Molecular Rings. Angewandte Chemie - International Edition, 2022, 61, e202116296.	13.8	26
9	Modification of Multi-Component Building Blocks for Assembling Giant Chiral Lanthanide-Titanium Molecular Rings. Angewandte Chemie, 2022, 134, .	2.0	4
10	Assembling lanthanide-transition metal clusters on TiO <sub>2</sub> for photocatalytic nitrogen fixation. Inorganic Chemistry Frontiers, 2022, 9, 2862-2868.	6.0	5
11	Magnetic 3d-4f Chiral Clusters Showing Multimetal Site Magneto-Chiral Dichroism. Journal of the American Chemical Society, 2022, 144, 8837-8847.	13.7	28
12	Synthesis, Structure and Luminescence Characterizations of Pyramid-like Lanthanide-Titanium-Oxo Clusters EuTi <sub>9</sub> and TbTi <sub>9</sub> . Inorganic Chemistry Communication, 2022, 141, 109565.	3.9	2
13	Photoluminescence of Lanthanide-Titanium-Oxo Clusters <b>Eu<sub>9</sub>Ti<sub>2</sub></b> and <b>Tb<sub>9</sub>Ti<sub>2</sub></b> Based on a 1 <sup>2</sup> -Diketone Ligand. Inorganic Chemistry, 2022, 61, 9849-9854.	4.0	15
14	Integration of bio-inspired lanthanide-transition metal cluster and P-doped carbon nitride for efficient photocatalytic overall water splitting. National Science Review, 2021, 8, nwaa234.	9.5	18
15	Preparation of a Lanthanide-Titanium Oxo Cluster-Polymer Composite by Cu I Catalyzed Click Chemistry. Chemistry - A European Journal, 2021, 27, 614-617.	3.3	2
16	A Giant 3d-4f Polyoxometalate Super-Tetrahedron with High Proton Conductivity. Small Methods, 2021, 5, e2000777.	8.6	52
17	Soluble lanthanide-transition-metal clusters Ln <sub>36</sub> Co <sub>12</sub> as effective molecular electrocatalysts for water oxidation. Chemical Communications, 2021, 57, 3611-3614.	4.1	13
18	New Family of Heptanuclear Lanthanide {Ln <sub>7</sub> } Clusters: Synthesis, Structure, and Magnetic Studies. ChemistrySelect, 2021, 6, 2456-2463.	1.5	4

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19	Cocrystallization of Chiral 3d-4f Clusters $\{Mn_{10}Ln_6\}$ and $\{Mn_6Ln_2\}$ . Inorganic Chemistry, 2021, 60, 5925-5930.	4.0	18
20	Sandwich-Type Uranyl Phosphate-Polyoxometalate Cluster Exhibiting Strong Luminescence. Inorganic Chemistry, 2021, 60, 6790-6795.	4.0	23
21	Enhanced proton conductivity of Mo154-based porous inorganic framework. Science China Chemistry, 2021, 64, 959-963.	8.2	15
22	A High-Symmetry Double-Shell $Gd_{30}Co_{12}$ Cluster Exhibiting a Large Magnetocaloric Effect. Inorganic Chemistry, 2021, 60, 10079-10083.	4.0	24
23	Enantioselective Recognition and Separation of $C_2$ Symmetric Substances via Chiral Metal-Organic Frameworks. ACS Applied Materials & Interfaces, 2021, 13, 37412-37421.	8.0	21
24	Spontaneous resolution and absolute chiral induction of 3d-4f heterometal-organic frameworks from achiral precursors. Science China Chemistry, 2021, 64, 1698-1702.	8.2	3
25	Hydrolysis-Promoted Building Block Assembly: Structure Transformation from $Y_{12}$ Wheel and $Y_{34}$ Ship to $Y_{60}$ Cage. Inorganic Chemistry, 2021, 60, 16922-16926.	4.0	7
26	Atomically Precise Lanthanide-Iron Oxo Clusters Featuring the $\mu_4$ -Keggin Ion. Chemistry - A European Journal, 2020, 26, 1388-1395.	3.3	13
27	Recent Advances in First-Row Transition Metal Clusters for Photocatalytic Water Splitting. ChemPhotoChem, 2020, 4, 157-167.	3.0	20
28	Magneto-optical Properties of Chiral $[Co_2Ln]$ Clusters. Inorganic Chemistry, 2020, 59, 193-197.	4.0	13
29	Synthetic Protocol for Assembling Giant Heterometallic Hydroxide Clusters from Building Blocks: Rational Design and Efficient Synthesis. Matter, 2020, 3, 1334-1349.	10.0	26
30	Lanthanide-Titanium Oxo Clusters as the Luminescence Sensor for Nitrobenzene Detection. Inorganic Chemistry, 2020, 59, 12404-12409.	4.0	41
31	Double-Propeller-like Heterometallic $3d-4f$ Clusters $Ln_{18}Co_7$ . Inorganic Chemistry, 2020, 59, 7900-7904.	4.0	23
32	Capturing Lacunary Iron-Oxo Keggin Clusters and Insight Into the Keggin-Fe <sub>13</sub> Cluster Rotational Isomerization. Chemistry - A European Journal, 2020, 26, 11985-11988.	3.3	9
33	Anion-Dependent Assembly of 3d-4f Heterometallic Clusters $Ln_5Cr_2$ and $Ln_8Cr_4$ . Inorganic Chemistry, 2020, 59, 1959-1966.	4.0	21
34	Trigonal bipyramidal $CoII_2Dy_3$ cluster exhibiting single-molecule magnet behavior. Dalton Transactions, 2020, 49, 2421-2425.	3.3	14
35	The Effect on the Luminescent Properties in Lanthanide-Titanium OXO Clusters. Inorganic Chemistry, 2019, 58, 10078-10083.	4.0	28
36	Ligand-Dependent Luminescence Properties of Lanthanide-Titanium Oxo Clusters. Inorganic Chemistry, 2019, 58, 15008-15012.	4.0	33

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37	High-Nuclearity Chiral 3 <i>d</i> -4 <i>f</i> Heterometallic Clusters Ln <sub>6</sub> Cu <sub>24</sub> and Ln <sub>6</sub> Cu <sub>12</sub> . Inorganic Chemistry, 2019, 58, 8494-8499.	4.0	20
38	A Record-Breaking Loading Capacity for Single-Molecule Magnet Mn <sub>12</sub> Clusters Achieved in a Mesoporous Ln-MOF. ACS Applied Electronic Materials, 2019, 1, 804-809.	4.3	16
39	Encapsulating a Ni(II) molecular catalyst in photoactive metal-organic framework for highly efficient photoreduction of CO <sub>2</sub> . Science Bulletin, 2019, 64, 976-985.	9.0	48
40	[5Å–1 + 1Å–1] Hexanuclear Lanthanide(III) Cocrystal Complexes: Syntheses, Structures, and Magnetic Properties. European Journal of Inorganic Chemistry, 2019, 2019, 2216-2223.	2.0	9
41	2020 roadmap on pore materials for energy and environmental applications. Chinese Chemical Letters, 2019, 30, 2110-2122.	9.0	75
42	Zinc(II)-Dipicolylamine Coordination Nanotheranostics: Toward Synergistic Nanomedicine by Combined Photo/Gene Therapy. Angewandte Chemie - International Edition, 2019, 58, 269-272.	13.8	113
43	Zinc(II)-Dipicolylamine Coordination Nanotheranostics: Toward Synergistic Nanomedicine by Combined Photo/Gene Therapy. Angewandte Chemie, 2019, 131, 275-278.	2.0	20
44	Recent advances in the assembly of high-nuclearity lanthanide clusters. Coordination Chemistry Reviews, 2019, 378, 222-236.	18.8	165
45	High-Nuclearity Lanthanide-Containing Clusters as Potential Molecular Magnetic Coolers. Accounts of Chemical Research, 2018, 51, 517-525.	15.6	222
46	Four 3 <i>d</i> -4 <i>f</i> heterometallic Ln <sub>45</sub> M <sub>7</sub> clusters protected by mixed ligands. CrystEngComm, 2018, 20, 2120-2125.	2.6	21
47	Integration of Lanthanide-Transition-Metal Clusters onto CdS Surfaces for Photocatalytic Hydrogen Evolution. Angewandte Chemie, 2018, 130, 17038-17042.	2.0	7
48	Integration of Lanthanide-Transition-Metal Clusters onto CdS Surfaces for Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 16796-16800.	13.8	109
49	Assembly of a Wheel-Like Eu <sub>24</sub> Ti <sub>8</sub> Cluster under the Guidance of High-Resolution Electrospray Ionization Mass Spectrometry. Angewandte Chemie - International Edition, 2018, 57, 10976-10979.	13.8	85
50	Assembly of a Wheel-Like Eu <sub>24</sub> Ti <sub>8</sub> Cluster under the Guidance of High-Resolution Electrospray Ionization Mass Spectrometry. Angewandte Chemie, 2018, 130, 11142-11145.	2.0	12
51	A Large Titanium Oxo Cluster Featuring a Well-Defined Structural Unit of Rutile. Crystal Growth and Design, 2018, 18, 4864-4868.	3.0	30
52	Polymer-Encapsulated Lanthanide-Containing Clusters as Platforms for Fabricating Magnetic Soft Materials. ACS Applied Materials & Interfaces, 2018, 10, 16947-16951.	8.0	10
53	Photo-generated dinuclear {Eu(II)} <sub>2</sub> active sites for selective CO <sub>2</sub> reduction in a photosensitizing metal-organic framework. Nature Communications, 2018, 9, 3353.	12.8	195
54	Heterometallic Lanthanide-Titanium Oxo Clusters: A New Family of Water Oxidation Catalysts. Inorganic Chemistry, 2017, 56, 1057-1060.	4.0	72

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55	Three Giant Lanthanide Clusters $\text{Ln}_{37}$ ( $\text{Ln} = \text{Gd}, \text{Tb}, \text{and Eu}$ ) Featuring A Double-Cage Structure. <i>Inorganic Chemistry</i> , 2017, 56, 2037-2041.	4.0	69
56	Selective Formation of Chromogen I from $\text{N-Acetyl-d-glucosamine}$ upon Lanthanide Coordination. <i>Inorganic Chemistry</i> , 2017, 56, 110-113.	4.0	15
57	High-Nuclearity Lanthanide-Titanium Oxo Clusters as Luminescent Molecular Thermometers with High Quantum Yields. <i>Inorganic Chemistry</i> , 2017, 56, 12186-12192.	4.0	57
58	Insights into Magnetic Interactions in a Monodisperse $\text{Gd}_{12}\text{Fe}_{14}$ Metal Cluster. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11475-11479.	13.8	48
59	Insights into Magnetic Interactions in a Monodisperse $\text{Gd}_{12}\text{Fe}_{14}$ Metal Cluster. <i>Angewandte Chemie</i> , 2017, 129, 11633-11637.	2.0	5
60	A Gigantic Molecular Wheel of $\{\text{Gd}_{140}\}$ : A New Member of the Molecular Wheel Family. <i>Journal of the American Chemical Society</i> , 2017, 139, 18178-18181.	13.7	229
61	Anion-Dependent Assembly of Heterometallic $3d-4f$ Clusters Based on a Lacunary Polyoxometalate. <i>Inorganic Chemistry</i> , 2017, 56, 8439-8445.	4.0	66
62	Synthesis and Structures of Lanthanide-Transition Metal Clusters. <i>Structure and Bonding</i> , 2016, , 51-96.	1.0	6
63	Magnetic Properties of a Single-Molecule Lanthanide-Transition-Metal Compound Containing 52 Gadolinium and 56 Nickel Atoms. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4532-4536.	13.8	60
64	Hierarchical Integration of Photosensitizing Metal-Organic Frameworks and Nickel-Containing Polyoxometalates for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie</i> , 2016, 128, 6521-6526.	2.0	53
65	Magnetic Properties of a Single-Molecule Lanthanide-Transition-Metal Compound Containing 52 Gadolinium and 56 Nickel Atoms. <i>Angewandte Chemie</i> , 2016, 128, 4608-4612.	2.0	9
66	Probing the structural flexibility of MOFs by constructing metal oxide@MOF-based heterostructures for size-selective photoelectrochemical response. <i>Nanoscale</i> , 2016, 8, 13181-13185.	5.6	27
67	Hierarchical Integration of Photosensitizing Metal-Organic Frameworks and Nickel-Containing Polyoxometalates for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6411-6416.	13.8	230
68	Anion-controlled assembly of a series of heterometallic $3d-4f$ compounds with 0D cluster, 1D chain, 2D network and 3D frameworks. <i>CrystEngComm</i> , 2016, 18, 4142-4149.	2.6	12
69	Mixed-anion templated cage-like lanthanide clusters: $\text{Gd}_{27}$ and $\text{Dy}_{27}$ . <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 320-325.	6.0	86
70	Two nanosized $3d-4f$ clusters featuring four $\text{Ln}_6$ octahedra encapsulating a $\text{Zn}_4$ tetrahedron. <i>Chemical Communications</i> , 2015, 51, 10687-10690.	4.1	53
71	Chirality detection of two enantiomorphous 3D lanthanide coordination polymers by vibrational circular dichroism spectra. <i>Dalton Transactions</i> , 2015, 44, 5299-5302.	3.3	4
72	Gadolinium nicotinate clusters as potential MRI contrast agents. <i>RSC Advances</i> , 2015, 5, 2914-2919.	3.6	4

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73	Three New Asperentin Derivatives from the Algicolous Fungus <i>Aspergillus</i> sp. F00785. <i>Marine Drugs</i> , 2014, 12, 5993-6002.	4.6	14
74	Beauty, Symmetry, and Magnetocaloric Effect—Four-Shell Keplerates with 104 Lanthanide Atoms. <i>Journal of the American Chemical Society</i> , 2014, 136, 17938-17941.	13.7	284
75	MOF-Templated Synthesis of Porous $\text{Co}_3\text{O}_4$ Concave Nanocubes with High Specific Surface Area and Their Gas Sensing Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4186-4195.	8.0	682
76	Solvothermal Synthesis of Four Polyoxometalate-Based Coordination Polymers Including Diverse Ag(I)- $\pi$ - $\pi$ Interactions. <i>Inorganic Chemistry</i> , 2014, 53, 897-902.	4.0	55
77	A highly selective colorimetric chemosensor for cobalt(II) ions based on a tripodal amide ligand. <i>Dalton Transactions</i> , 2014, 43, 11579-11586.	3.3	43
78	Myo-inositol supported heterometallic $\text{Dy}_2\text{M}_2$ (M = Ni, Mn) cages. <i>CrystEngComm</i> , 2014, 16, 5527-5530.	2.6	14
79	Semiconductor@Metal-Organic Framework Core-Shell Heterostructures: A Case of $\text{ZnO@ZIF-8}$ Nanorods with Selective Photoelectrochemical Response. <i>Journal of the American Chemical Society</i> , 2013, 135, 1926-1933.	13.7	691
80	Synthesis, Structures, and Magnetic Properties of Three Decanuclear $\text{Ln}_2\text{Cu}_8$ Clusters of Alkylsulfonate. <i>Crystal Growth and Design</i> , 2013, 13, 2493-2498.	3.0	37
81	Two polymeric 36-metal pure lanthanide nanosize clusters. <i>Chemical Science</i> , 2013, 4, 3104.	7.4	154
82	Assembly of an undeca-nuclear nickel substituted POM through polycarboxylate ligand. <i>Dalton Transactions</i> , 2012, 41, 9871.	3.3	19
83	Trigonal Bipyramidal $\text{Dy}_5$ Cluster Exhibiting Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2012, 51, 2186-2190.	4.0	84
84	High-Nuclearity $3d^4f$ Clusters as Enhanced Magnetic Coolers and Molecular Magnets. <i>Journal of the American Chemical Society</i> , 2012, 134, 3314-3317.	13.7	432
85	Two Triazole-Based Metal-Organic Frameworks Constructed from Nanosized $\text{Cu}_{20}$ and $\text{Cu}_{30}$ Wheels. <i>Inorganic Chemistry</i> , 2012, 51, 7587-7591.	4.0	40
86	Enantiopure sandwich-type nonanuclear $\text{LnIII}_3\text{MnIII}_6$ clusters. <i>Dalton Transactions</i> , 2011, 40, 4035.	3.3	36
87	Transition from one-dimensional water to ferroelectric ice within a supramolecular architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3481-3486.	7.1	94
88	Two Three-Dimensional $2p^6 3d^4f$ Heterometallic Frameworks Featuring a $\text{Ln}_6\text{Cu}_{24}\text{Na}_{12}$ Cluster as a Node. <i>Inorganic Chemistry</i> , 2011, 50, 3843-3845.	4.0	44
89	Hydrolytic synthesis and structural characterization of lanthanide-acetylacetonato/hydroxo cluster complexes—A systematic study. <i>Dalton Transactions</i> , 2011, 40, 1041-1046.	3.3	53
90	A series of di-, tri- and tetranuclear lanthanide clusters with slow magnetic relaxation for $\text{Dy}_2$ and $\text{Dy}_4$ . <i>CrystEngComm</i> , 2011, 13, 2084.	2.6	42

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91	A 48â€Metal Cluster Exhibiting a Large Magnetocaloric Effect. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10649-10652.	13.8	266
92	A dinuclear europium(III) complex with thenoyltrifluoroacetato and 1-(2-pyridylazo)-2-naphtholato ligands and its optical properties. <i>Inorganica Chimica Acta</i> , 2011, 370, 346-352.	2.4	5
93	Keeping the Ball Rolling: Fullerene-like Molecular Clusters. <i>Accounts of Chemical Research</i> , 2010, 43, 201-209.	15.6	248
94	Polyoxometalate-Based Metal-Organic Frameworks as Heterogeneous Catalysts for Selective Oxidation of Ethylbenzene. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4526-4531.	2.0	34
95	Framework Solids Possessing Both Hydrophobic and Hydrophilic Pores Constructed by Faceâ€Sharing Keplerateâ€Type Heterometalâ€Organic Polyhedra. <i>Chemistry - A European Journal</i> , 2010, 16, 5292-5296.	3.3	20
96	Effect of lanthanide contraction on crystal structures of lanthanide coordination polymers with 2,5-piperazinedione-1,4-diacetic acid. <i>CrystEngComm</i> , 2010, 12, 2691.	2.6	46
97	Structures, magnetic and catalytic properties of three sandwich-type silicotungstates containing tetranuclear copper(II) clusters. <i>Dalton Transactions</i> , 2010, 39, 7588.	3.3	19
98	A nanosized Gd <sub>6</sub> Ni <sub>3</sub> cluster-based heterometallic coordination polymer. <i>Dalton Transactions</i> , 2010, 39, 5077.	3.3	25
99	Hydrolytic Synthesis and Structural Characterization of Lanthanide Hydroxide Clusters Supported by Nicotinic Acid. <i>Inorganic Chemistry</i> , 2009, 48, 3268-3273.	4.0	64
100	pH-dependent assembly of 0D to 3D Keggin-based coordination polymers: Structures and catalytic properties. <i>Dalton Transactions</i> , 2009, , 9503.	3.3	90
101	In situ cyclodehydration of iminodiacetic acid into 2,5-diketopiperazine-1,4-diacetate in lanthanide-based coordination polymers. <i>Dalton Transactions</i> , 2009, , 1707.	3.3	19
102	A four-shell, 136-metal 3d-4f heterometallic cluster approximating a rectangular parallelepiped. <i>Chemical Communications</i> , 2009, , 4354.	4.1	96
103	A Chiral 60-Metal Sodalite Cage Featuring 24 Vertex-Sharing [Er <sub>4</sub> ( $\mu_4$ -OH) <sub>3</sub> ] <sub>4</sub> Cubanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 6918-6919.	13.7	274
104	A Fourâ€Shell, Nesting Dollâ€like 3dâ€4f Cluster Containing 108 Metal Ions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2398-2401.	13.8	225
105	Dual Shell-like Magnetic Clusters Containing Ni <sup>II</sup> and Ln <sup>III</sup> (Ln = La, Pr, and Nd) Ions. <i>Inorganic Chemistry</i> , 2008, 47, 2728-2739.	4.0	77
106	Influence of reaction conditions on the channel shape of 3d-4f heterometallic metalâ€organic framework. <i>CrystEngComm</i> , 2008, 10, 1309.	2.6	51
107	A Keplerate Magnetic Cluster Featuring an Icosidodecahedron of Ni(II) Ions Encapsulating a Dodecahedron of La(III) Ions. <i>Journal of the American Chemical Society</i> , 2007, 129, 7016-7017.	13.7	185
108	An organicâ€inorganic hybrid uranyl nicotinate molybdate polymer and its fluorescent property. <i>Inorganic Chemistry Communication</i> , 2007, 10, 894-896.	3.9	15

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109	Influence of Steric Hindrance of Organic Ligand on the Structure of Keggin-Based Coordination Polymer. <i>Inorganic Chemistry</i> , 2006, 45, 4016-4023.	4.0	235
110	Anion-Dependent Assembly of Cyclic Structure. <i>Crystal Growth and Design</i> , 2006, 6, 572-576.	3.0	134
111	Construction of Polyoxometalates-Based Coordination Polymers through Direct Incorporation between Polyoxometalates and the Voids in a 2D Network. <i>Inorganic Chemistry</i> , 2006, 45, 10702-10711.	4.0	185
112	(3S)-4-[(1S)-1-(Dibenzylamino)-2-phenylethyl]-1,3,2-dioxathiane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o425-o426.	0.2	1
113	Poly[[tris(1/4-4,4'-bipyridyl-1,2-N)bis(1/4-2-nitrato-1/2O,O)]hexa-1/4-2-oxo-dioxodimolybdenumtricopper(II)] tetrahydrate]: a polymeric hybrid framework containing Cu <sup>2+</sup> , 4,4'-bipyridine, [MoO <sub>4</sub> ] <sup>2-</sup> and NO <sub>3</sub> <sup>-</sup> building units. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m2346-m2347.	0.2	1