

Kazuhiro Uemura

List of Publications by Year in descending order

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54
papers

4,241
citations

257101

24
h-index

182168

51
g-index

60
all docs

60
docs citations

60
times ranked

3773
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic porous properties of coordination polymers inspired by hydrogen bonds. <i>Chemical Society Reviews</i> , 2005, 34, 109.	18.7	1,363
2	Novel Flexible Frameworks of Porous Cobalt(II) Coordination Polymers That Show Selective Guest Adsorption Based on the Switching of Hydrogen-Bond Pairs of Amide Groups. <i>Chemistry - A European Journal</i> , 2002, 8, 3586.	1.7	391
3	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3269-3272.	7.2	379
4	Flexible microporous coordination polymers. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2420-2429.	1.4	358
5	A Contrivance for a Dynamic Porous Framework: A Cooperative Guest Adsorption Based on Square Grids Connected by Amide-Amide Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2004, 126, 3817-3828.	6.6	291
6	Two-Step Adsorption/Desorption on a Jungle-Gym-Type Porous Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6662-6665.	7.2	142
7	Temperature- and Stoichiometry-Controlled Dimensionality in a Magnesium 4,5-Imidazolecarboxylate System with Strong Hydrophilic Pore Surfaces. <i>Inorganic Chemistry</i> , 2008, 47, 6578-6580.	1.9	115
8	Hydrogen-Bonded Porous Coordination Polymers: A Structural Transformation, Sorption Properties, and Particle Size from Kinetic Studies. <i>Journal of the American Chemical Society</i> , 2006, 128, 16122-16130.	6.6	104
9	Syntheses, Crystal Structures and Adsorption Properties of Ultramicroporous Coordination Polymers Constructed from Hexafluorosilicate Ions and Pyrazine. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2329-2337.	1.0	98
10	Adsorption and Catalytic Properties of the Inner Nanospace of a Gigantic Ring-Shaped Polyoxometalate Cluster. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8703-8706.	7.2	85
11	Selective Gas Adsorption in One-Dimensional, Flexible Cu ^{II} Coordination Polymers with Polar Units. <i>Chemistry of Materials</i> , 2009, 21, 3346-3355.	3.2	69
12	Two-Step Adsorption on Jungle-Gym-Type Porous Coordination Polymers: Dependence on Hydrogen-Bonding Capability of Adsorbates, Ligand-Substituent Effect, and Temperature. <i>Inorganic Chemistry</i> , 2010, 49, 10133-10143.	1.9	66
13	Synthesis and Structures of Coordination Polymers with 4,4'-Dipyridyldisulfide. <i>Journal of Solid State Chemistry</i> , 2000, 152, 113-119.	1.4	58
14	Paramagnetic Platinum-Rhodium Octamers Bridged by Halogen Ions To Afford a Quasi-1D System. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5459-5464.	7.2	56
15	Zipper-Type Coordination Polymers: Unsymmetrical Amide-Containing Ligands Inducing 2D Sheet or Helical Structures. <i>Chemistry - A European Journal</i> , 2008, 14, 9565-9576.	1.7	44
16	Paramagnetic One-Dimensional Chains Comprised of Trinuclear Pt-Cu-Pt and Paddlewheel Dirhodium Complexes with Metal-Metal Bonds. <i>Inorganic Chemistry</i> , 2013, 52, 5535-5550.	1.9	36
17	One-Dimensionally Extended Paddlewheel Dirhodium Complexes from Metal-Metal Bonds with Diplatinum Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7919-7921.	1.9	34
18	One-dimensional complexes extended by unbridged metal-metal bonds based on a HOMO-LUMO interaction at the d _{z²} orbital between platinum and heterometal atoms. <i>Dalton Transactions</i> , 2017, 46, 5474-5492.	1.6	34

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19	¹¹³ Cd Nuclear Magnetic Resonance as a Probe of Structural Dynamics in a Flexible Porous Framework Showing Selective O ₂ /N ₂ and CO ₂ /N ₂ Adsorption. <i>Inorganic Chemistry</i> , 2016, 55, 4166-4172.	1.9	31
20	Syntheses, crystal structures, and water adsorption behaviors of jungle-gym-type porous coordination polymers containing nitro moieties. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2852-2857.	1.4	27
21	Syntheses and crystal structures of novel silver(I) coordination polymers based on linear or tetrahedral coordination environments. <i>Inorganic Chemistry Communication</i> , 2008, 11, 741-744.	1.8	25
22	Two Types of Heterometallic One-Dimensional Alignment Composed of Acetamidate-Bridged Dirhodium and Pivalamidate-Bridged Diplatinum Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 4621-4628.	1.9	23
23	Synthesis, Crystal Structure, and Characterization of a Heterometallic One-Dimensional Complex with Metal-Metal Bonds. <i>Inorganic Chemistry</i> , 2010, 49, 7323-7330.	1.9	22
24	Integration of Paramagnetic Diruthenium Complexes into an Extended Chain by Heterometallic Metal-Metal Bonds with Diplatinum Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 7003-7011.	1.9	22
25	Thermodynamic aspect of reversible structural conversion induced by guest adsorption/desorption based on infinite Co(NCS)2Py4 (Py=pyridine) system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 81, 529-532.	2.0	19
26	Paramagnetic One-Dimensional Chain Complex Consisting of Three Kinds of Metallic Species Showing Magnetic Interaction through Metal-Metal Bonds. <i>Inorganic Chemistry</i> , 2020, 59, 1692-1701.	1.9	17
27	Characterization of organic solvents adsorption/desorption on hydrophobic porous coordination polymers and their micro-crystals aggregation on mullite support. <i>Desalination</i> , 2008, 234, 1-8.	4.0	15
28	Crystal structures and adsorption spectra of mono-dimensional hexanuclear heterometallic complexes with no bridge assisted rhodium-platinum bonds. <i>Polyhedron</i> , 2012, 45, 35-42.	1.0	15
29	A paramagnetic quasi-1D chain comprised of Pt/Rh possessing an unpaired electron. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 461-467.	2.8	13
30	Synthesis, Crystal Structures, and Oxidation States of MM ₂ X-Type Platinum-Rhodium Dinuclear Complexes Having Amidate Bridging Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 809-815.	1.0	13
31	Mixed Valency in Quadruple Hydrogen-Bonded Dimers of Bis(biimidazolate)dirhodium Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 2331-2338.	1.9	13
32	Magnetic behavior in heterometallic one-dimensional chains or octanuclear complex regularly aligned with metal-metal bonds as Rh-Rh-Pt-Cu-Pt. <i>Journal of Molecular Structure</i> , 2018, 1162, 31-36.	1.8	13
33	Heterometallic one-dimensional chain with tetradeca metal repetition constructed by amidate bridged dirhodium and pivalate bridged diplatinum complexes influenced by hydrogen bonding. <i>Dalton Transactions</i> , 2016, 45, 12322-12328.	1.6	12
34	Isomerization reaction of head-to-head μ -pyridonato-bridged ethylenediaminepalladium(II) binuclear complex, [Pd ₂ (en) ₂ (C ₅ H ₄ NO) ₂] ²⁺ , in aqueous solution. <i>Dalton Transactions</i> , 2006, , 1497.	1.6	10
35	Synthesis of amidate-hanging platinum mononuclear complexes by base hydrolysis of nitrile complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 2623-2630.	1.2	9
36	Acetamidate-bridged paddlewheel dirhodium complex sandwiched by mononuclear platinum complexes with axial metal-metal bonds affording neutral heterometallic one-dimensional alignments. <i>Inorganica Chimica Acta</i> , 2015, 424, 194-201.	1.2	9

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37	Syntheses and crystal structures of straight or zigzag one-dimensional coordination polymers based on Cu(II) square pyramidal or Cu(I) tetrahedral coordination environments. <i>Polyhedron</i> , 2008, 27, 2939-2942.	1.0	8
38	Modulation of Band Gaps toward Varying Conductivities in Heterometallic One-Dimensional Chains by Ligand Alteration and Third Metal Insertion. <i>ACS Omega</i> , 2020, 5, 30502-30518.	1.6	7
39	Paramagnetic One-dimensional Chain Containing High-spin Manganese Atoms Showing Antiferromagnetic Interaction Through $\text{Pt}^{\text{II}}\text{-Rh}^{\text{II}}\text{-Pt}^{\text{II}}$ Bonds. <i>Dalton Transactions</i> , 2021, , .	1.6	6
40	Dimerization of Paramagnetic Trinuclear Complexes by Coordination Geometry Changes Showing Mixed Valency and Significant Antiferromagnetic Coupling through $\text{Pt}^{\text{II}}\text{-Pt}^{\text{II}}\text{-Pt}^{\text{II}}$ Bonds. <i>Inorganic Chemistry</i> , 2022, 61, 5762-5778.	1.9	6
41	Syntheses, crystal structures and copper-binding capabilities of amidate-hanging platinum mononuclear complexes containing alkylamine moieties. <i>Polyhedron</i> , 2014, 67, 513-519.	1.0	5
42	Improving isosteric heat of CO ₂ adsorption by introducing nitro moieties into jungle-gym-type porous coordination polymers. <i>Journal of Solid State Chemistry</i> , 2019, 270, 11-18.	1.4	5
43	Carbon Membranes from Wood Materials and their Separation Properties. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 825-828.	0.2	4
44	Improving the Solubility of Hexanuclear Heterometallic Extended Metal Atom Chain Compounds in Nonpolar Solvents by Introducing Alkyl Amine Moieties. <i>ACS Omega</i> , 2021, 6, 18487-18503.	1.6	4
45	Assembled structures of tetrakis(biimidazole)dirhodium complexes hydrogen-bonded with common inorganic anions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 1006-1019.	0.5	3
46	Isolation and characterization of a tetranuclear $\text{Pt}^{\text{II}}\text{-Fe}^{\text{II}}\text{-Fe}^{\text{II}}\text{-Pt}^{\text{II}}$ intermediate en route to the trinuclear $\text{Pt}^{\text{II}}\text{-Fe}^{\text{II}}\text{-Pt}^{\text{II}}$ cluster. <i>Dalton Transactions</i> , 2017, 46, 14012-14020.	1.6	2
47	Evidence of electronic interactions between end platinum atoms of hexanuclear units in heterometallic one-dimensional chains. <i>Journal of Molecular Structure</i> , 2022, 1250, 131694.	1.8	1
48	Cover Picture: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (<i>Angew. Chem. Int. Ed.</i> 25/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3205-3205.	7.2	0
49	Unknown Properties Obtained from Porous Coordination Polymer Crystals. <i>Kobunshi</i> , 2005, 54, 63-66.	0.0	0
50	Dynamic Porous Properties of Coordination Polymers Inspired by Hydrogen Bonds. <i>ChemInform</i> , 2005, 36, no.	0.1	0
51	Flexible Microporous Coordination Polymers. <i>ChemInform</i> , 2006, 37, no.	0.1	0
52	Crystal Structure of Platinum and Rhodium Discrete Hexanuclear Complex with Polyethylene Glycol. <i>X-ray Structure Analysis Online</i> , 2022, 38, 25-26.	0.1	0
53	Octanuclear heterometallic one-dimensional complex extended by metal-metal bonds showing MMLCT in the visible region. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109640.	1.8	0
54	Structure and magnetic behavior of a two-dimensional honeycomb sheet containing trans-bridged platinum and iron trinuclear complex linked using rhodium acetate with chloride coordination. <i>Polyhedron</i> , 2022, 224, 116017.	1.0	0