

Kazuhiro Uemura

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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.

52
papers

3,969
citations

23
h-index

60
g-index

60
ext. papers

4,113
ext. citations

6.4
avg, IF

5.49
L-index

#	Paper	IF	Citations
52	Dynamic porous properties of coordination polymers inspired by hydrogen bonds. <i>Chemical Society Reviews</i> , 2005 , 34, 109-19	58.5	1298
51	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, 3586-600	4.8	374
50	Expanding and shrinking porous modulation based on pillared-layer coordination polymers showing selective guest adsorption. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3269-72	16.4	363
49	Flexible microporous coordination polymers. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2420-2429	3.3	333
48	A contrivance for a dynamic porous framework: cooperative guest adsorption based on square grids connected by amide-amide hydrogen bonds. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3817-28	16.4	285
47	Two-step adsorption/desorption on a jungle-gym-type porous coordination polymer. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6662-5	16.4	139
46	Temperature- and stoichiometry-controlled dimensionality in a magnesium 4,5-imidazoledicarboxylate system with strong hydrophilic pore surfaces. <i>Inorganic Chemistry</i> , 2008 , 47, 6578-80	5.1	113
45	Hydrogen-bonded porous coordination polymers: structural transformation, sorption properties, and particle size from kinetic studies. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16122-30	16.4	102
44	Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption. <i>Angewandte Chemie</i> , 2004 , 116, 3331-3334	3.6	91
43	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	2.3	85
42	Adsorption and catalytic properties of the inner nanospace of a gigantic ring-shaped polyoxometalate cluster. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8703-6	16.4	80
41	Selective Gas Adsorption in One-Dimensional, Flexible CuII Coordination Polymers with Polar Units. <i>Chemistry of Materials</i> , 2009 , 21, 3346-3355	9.6	63
40	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, 10133-43	5.1	59
39	Synthesis and Structures of Coordination Polymers with 4,4'-Dipyridyldisulfide. <i>Journal of Solid State Chemistry</i> , 2000 , 152, 113-119	3.3	53
38	Paramagnetic platinum-rhodium octamers bridged by halogen ions to afford a quasi-1D system. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5459-64	16.4	52
37	Zipped-up chain-type coordination polymers: unsymmetrical amide-containing ligands inducing beta-sheet or helical structures. kazu-u@yamaguchi-u.ac.jp. <i>Chemistry - A European Journal</i> , 2008 , 14, 9565-76	4.8	42
36	One-dimensionally extended paddlewheel dirhodium complexes from metal-metal bonds with diplatinum complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 7919-21	5.1	31

35	Adsorption and Catalytic Properties of the Inner Nanospace of a Gigantic Ring-Shaped Polyoxometalate Cluster. <i>Angewandte Chemie</i> , 2009 , 121, 8859-8862	3.6	31
34	Paramagnetic one-dimensional chains comprised of trinuclear Pt-Cu-Pt and paddlewheel dirhodium complexes with metal-metal bonds. <i>Inorganic Chemistry</i> , 2013 , 52, 5535-50	5.1	29
33	One-dimensional complexes extended by unbridged metal-metal bonds based on a HOMO-LUMO interaction at the d orbital between platinum and heterometal atoms. <i>Dalton Transactions</i> , 2017 , 46, 5474-5492	4.3	25
32	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	3.3	25
31	(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, 4166-72	5.1	25
30	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	3.1	24
29	Two types of heterometallic one-dimensional alignment composed of acetamidate-bridged dirhodium and pivalamidate-bridged diplatinum complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 4621-8	5.1	22
28	Two-Step Adsorption/Desorption on a Jungle-Gym-Type Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2007 , 119, 6782-6785	3.6	22
27	Synthesis, crystal structure, and characterization of a heterometallic one-dimensional complex with metal-metal bonds. <i>Inorganic Chemistry</i> , 2010 , 49, 7323-30	5.1	19
26	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	4.1	19
25	Integration of Paramagnetic Diruthenium Complexes into an Extended Chain by Heterometallic Metal-Metal Bonds with Diplatinum Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 7003-11	5.1	14
24	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	2.7	14
23	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	10.3	14
22	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, 12322-8	4.3	12
21	Mixed valency in quadruple hydrogen-bonded dimers of bis(biimidazolate)dirhodium complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 2331-8	5.1	12
20	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, 809-813	2.3	11
19	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	7.1	11
18	Isomerization reaction of head-to-head alpha-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 , 1497-504	4.3	10

17	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	2.7	9
16	Magnetic behavior in heterometallic one-dimensional chains or octanuclear complex regularly aligned with metal-metal bonds as RhRhPtCuPt . <i>Journal of Molecular Structure</i> , 2018 , 1162, 31-36	3.4	8
15	Synthesis of amidate-hanging platinum mononuclear complexes by base hydrolysis of nitrile complexes. <i>Inorganica Chimica Acta</i> , 2007 , 360, 2623-2630	2.7	8
14	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	2.7	8
13	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	5.1	8
12	Paramagnetic PlatinumRhodium Octamers Bridged by Halogen Ions To Afford a Quasi-1D System. <i>Angewandte Chemie</i> , 2005 , 117, 5595-5600	3.6	6
11	Syntheses, crystal structures and copper-binding capabilities of amidate-hanging platinum mononuclear complexes containing alkylamine moieties. <i>Polyhedron</i> , 2014 , 67, 513-519	2.7	4
10	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, 1006-19	1.8	3
9	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	3
8	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	3.9	3
7	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	3.3	3
6	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	3.9	2
5	Isolation and characterization of a tetranuclear Pt-FeFe-Pt intermediate en route to the trinuclear Pt-Fe-Pt cluster. <i>Dalton Transactions</i> , 2017 , 46, 14012-14020	4.3	0
4	Cover Picture: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (Angew. Chem. Int. Ed. 25/2004). <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3205-3205	16.4	
3	Titelbild: Expanding and Shrinking Porous Modulation Based on Pillared-Layer Coordination Polymers Showing Selective Guest Adsorption (Angew. Chem. 25/2004). <i>Angewandte Chemie</i> , 2004 , 116, 3267-3267	3.6	
2	Crystal Structure of Platinum and Rhodium Discrete Hexanuclear Complex with Polyethylene Glycol. <i>X-ray Structure Analysis Online</i> , 2022 , 38, 25-26	0.2	
1	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	3.4	