Masahiro Sadakane

List of Publications by Year
in descending order

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205 papers	8,313 citations	50276 46 h-index	56724 83 g-index
237 all docs	237 docs citations	237 times ranked	6044 citing authors

#	Article	IF	Citations
1	Dual Templating for AFX/LEV Intergrowth Zeolite. Chemistry Letters, 2022, 51, 121-123.	1.3	1
2	Oxidation Catalysis over Solid-State Keggin-Type Phosphomolybdic Acid with Oxygen Defects. Journal of the American Chemical Society, 2022, 144, 7693-7708.	13.7	30
3	Preyssler-type phosphotungstate is a new family of negative-staining reagents for the TEM observation of viruses. Scientific Reports, 2022, 12, 7554.	3.3	9
4	Assembly of É›â€Keggin Polyoxometalate from Molecular Crystal to Zeolitic Octahedral Metal Oxide. Chemistry - A European Journal, 2022, , .	3.3	5
5	Post-synthetic amine functionalized SAPO-5 & SAPO-34 molecular sieves for epoxide ring opening reactions. Materials Today: Proceedings, 2021, 45, 3726-3732.	1.8	3
6	Structural Characterization of Ceriumâ€encapsulated Preysslerâ€type Phosphotungstate: Additional Evidence of Ce(III) in the Cavity. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1239-1244.	1.2	2
7	Ultrahigh Proton Conduction via Extended Hydrogen-Bonding Network in a Preyssler-Type Polyoxometalate-Based Framework Functionalized with a Lanthanide Ion. ACS Applied Materials & Interfaces, 2021, 13, 19138-19147.	8.0	25
8	Multiple templating strategy for the control of aluminum and phosphorus distributions in AFX zeolite. Microporous and Mesoporous Materials, 2021, 321, 111124.	4.4	5
9	Isolation and characterization of hirame aquareovirus (HAqRV): A new Aquareovirus isolated from diseased hirame Paralichthys olivaceus. Virology, 2021, 559, 120-130.	2.4	4
10	Zeolitic Octahedral Metal Oxides with Ultraâ€Small Micropores for C 2 Hydrocarbon Separation. Angewandte Chemie, 2021, 133, 18476-18482.	2.0	5
11	Zeolitic Octahedral Metal Oxides with Ultraâ€Small Micropores for C₂ Hydrocarbon Separation. Angewandte Chemie - International Edition, 2021, 60, 18328-18334.	13.8	20
12	Structure and Thermal Transformations of Methylammonium Tungstate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1930-1937.	1.2	6
13	Catalytic Activities of Various Niobium Oxides for Hydrogen Absorption/Desorption Reactions of Magnesium. ACS Omega, 2021, 6, 23564-23569.	3.5	7
14	Singleâ€Molecule Magnetic, Catalytic and Photoluminescence Properties of Heterometallic 3 d â€“ 4 f [Ln{PZn 2 W 10 O 38 (H 2 O) 2 } 2] 11â^' Tungstophosphate Nanoclusters. European Journal of Inorganic Chemistry, 2021, 2021, 3819.	2.0	7
15	Synthesis of Phosphorus-Modified AFX Zeolite by the Hydrothermal Conversion of Tetraalkylphosphonium Hydroxide-Impregnated FAU Zeolite. Bulletin of the Chemical Society of Japan, 2021, 94, 1-7.	3.2	6
16	Synthesis and Characterization of a Novel Heteropoly Acid/Hydrogel Composite. MATEC Web of Conferences, 2021, 333, 11005.	0.2	0
17	New Path for Polyoxometalates: Controlled Synthesis and Characterization of Metalâ€Substituted Tungstosulfates. European Journal of Inorganic Chemistry, 2020, 2020, 682-689.	2.0	1
18	Formation Pathway of AEI Zeolites as a Basis for a Streamlined Synthesis. Chemistry of Materials, 2020, 32, 60-74.	6.7	30

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19	Solidâ€State Ion Migration in the Preysslerâ€Type Phosphotungstate for the Preparation of the Dipotassium Cationâ€Encapsulated Derivative. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1297-1302.	1.2	2
20	Effective Factor on Catalysis of Niobium Oxide for Magnesium. ACS Omega, 2020, 5, 21906-21912.	3.5	10
21	Triple-template system for phosphorus-modified AFX/CHA intergrowth zeolite. Microporous and Mesoporous Materials, 2020, 309, 110540.	4.4	5
22	High-quality synthesis of a nanosized CHA zeolite by a combination of a starting FAU zeolite and aluminum sources. Dalton Transactions, 2020, 49, 9972-9982.	3.3	21
23	Metal-substituted tungstosulfates with Keggin structure: synthesis and characterization. Dalton Transactions, 2020, 49, 2766-2770.	3.3	11
24	New Path for Polyoxometalates: Controlled Synthesis and Characterization of Metal-Substituted Tungstosulfates. European Journal of Inorganic Chemistry, 2020, 2020, 666-666.	2.0	1
25	Synthesis of Preyssler-Type Phosphotungstate with Sodium Cation in the Central Cavity through Migration of the Ion. Bulletin of the Chemical Society of Japan, 2020, 93, 461-466.	3.2	5
26	Vanadium-Enhanced Intramolecular Redox Property of a Transition-Metal Oxide Molecular Wire. Inorganic Chemistry, 2020, 59, 16557-16566.	4.0	4
27	Thermal Behavior, Crystal Structure, and Solid-State Transformation of Orthorhombic Moâ€“V Oxide under Nitrogen Flow or in Air. ACS Omega, 2019, 4, 13165-13171.	3.5	9
28	Immobilizaion of Preyssler type heteropoly acids on siliceous mesporous supports and their catalytic activities in the dehydration of ethanol. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 139-147.	1.7	6
29	Intramolecular Electron Transfer and Oxygen Transfer of Phosphomolybdate Molecular Wires. Inorganic Chemistry, 2019, 58, 12272-12279.	4.0	4
30	Celebrating Polyoxometalate Chemistry. European Journal of Inorganic Chemistry, 2019, 2019, 340-342.	2.0	14
31	Photocatalytic Activation of Câ€“H Bonds by Spatially Controlled Chlorine and Titanium on the Silicate Layer. ACS Catalysis, 2019, 9, 5742-5751.	11.2	22
32	Redox-Active Zeolitic Transition Metal Oxides Based on Îµ-Keggin Units for Selective Oxidation. Inorganic Chemistry, 2019, 58, 6283-6293.	4.0	23
33	Synthesis of GME zeolite with high porosity by hydrothermal conversion of FAU zeolite using a dual-template method with tetraethylphosphonium and N,N-dimethyl-3,5-dimethylpiepridinium hydroxides. Journal of Porous Materials, 2019, 26, 1345-1352.	2.6	8
34	Phosphorus modified small-pore zeolites and their catalytic performances in ethanol conversion and NH3-SCR reactions. Applied Catalysis A: General, 2019, 575, 204-213.	4.3	33
35	Syntheses, and Crystal Structures of Y III Containing Diâ€Metal Substituted 1,5 Isomers of Heterometallic Tungstophosphate Nanoclusters: [Y{PM 2 W 10 O 38 (H 2 O) 2 } 2] 11â€“ (M=Co II and Zn II) Tj ETQq1 1 0.784314 r	1.2	7
36	Selfâ€Assembled Tetrameric Lanthanideâ€Containing Germanotungstates [(Ln 2 GeW 10 O 38) 4 (W 3 O 8) Tj ETQq0 0 0 rgBT /Overlo Properties.. ChemistrySelect, 2019, 4, 12668-12675.	1.5	7

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37	A Sandwich Complex of Bismuth Cation and Monoâ€Lacunary Îµâ€Kegginâ€Type Phosphotungstate: Preparation and Structural Characterisation. European Journal of Inorganic Chemistry, 2019, 2019, 357-362.	2.0	8
38	Facile synthesis of highly crystalline EMT zeolite by hydrothermal conversion of FAU zeolite in the presence of 1,1â€™-(1,4-butanediyl)bis(1-azonia-4-azabicyclo [2,2,2]octane) dihydroxide. Microporous and Mesoporous Materials, 2019, 274, 299-303.	4.4	8
39	Multi-dimensional Crystal Structuring of Complex Metal Oxide Catalysts of Group V and VI Elements by Unit-Assembling. Topics in Catalysis, 2019, 62, 1157-1168.	2.8	6
40	Zeolite hydrothermal conversion in the presence of various cyclic alkylammonium cations and synthesis of nanosized BEA and MFI zeolites. Microporous and Mesoporous Materials, 2019, 277, 115-123.	4.4	16
41	A Self-Assembled Heterometallic {Co7 -Ho1 } Nanocluster: 3d-4f Trimeric Keggin-Type Silicotungstate [HoCo7 Si3 W29 O108 (OH)5 (H2 O)4]18 - and its Catalytic and Magnetic Applications. European Journal of Inorganic Chemistry, 2019, 2019, 430-436.	2.0	15
42	New Crystalline Complex Metal Oxide Catalysts with Porous, Acidic, and Redox Properties. , 2019, , 199-221.		0
43	Preparation of Preyssler-type Phosphotungstate with One Central Potassium Cation and Potassium Cation Migration into the Preyssler Molecule to form Di-Potassium-Encapsulated Derivative. ACS Omega, 2018, 3, 2363-2373.	3.5	17
44	Synthesis of phosphorus-modified AFX zeolite using a dual-template method with tetraethylphosphonium hydroxide as phosphorus modification agent. Microporous and Mesoporous Materials, 2018, 267, 192-197.	4.4	22
45	Reactivity of a (Benzene)Ruthenium(II) Cation on a Di-lacunary Î³-Keggin-Type Silicotungstate and Synthesis of a Mono-(Benzene)Ruthenium(II)-Attached Î³-Keggin-Type Silicotungstate. European Journal of Inorganic Chemistry, 2018, 2018, 1776-1776.	2.0	0
46	Highly Active Layered Titanosilicate Catalyst with High Surface Density of Isolated Titanium on the Accessible Interlayer Surface. ChemCatChem, 2018, 10, 2536-2540.	3.7	25
47	A supramolecular photocatalyst composed of a polyoxometalate and a photosensitizing water-soluble porphyrin diacid for the oxidation of organic substrates in water. Green Chemistry, 2018, 20, 1975-1980.	9.0	38
48	Reactivity of a (Benzene)Ruthenium(II) Cation on a Diâ€lacunary Î³â€Kegginâ€Type Silicotungstate and Synthesis of a Monoâ€(Benzene)Ruthenium(II)â€Attached Î³â€Kegginâ€Type Silicotungstate. European Journal of Inorganic Chemistry, 2018, 2018, 1778-1786.	2.0	4
49	A zeolitic vanadotungstate family with structural diversity and ultrahigh porosity for catalysis. Nature Communications, 2018, 9, 3789.	12.8	30
50	Stepwise Gel Preparation for High-Quality CHA Zeolite Synthesis: AÂCommon Tool for Synthesis Diversification. Crystal Growth and Design, 2018, 18, 5652-5662.	3.0	15
51	Synthesis and characterization of carbonate-encapsulated ytterbium- and yttrium-containing polyoxotungstates. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1355-1361.	0.5	7
52	Synthesis, Characterization, and Structure of a Reduced Preyssler-type Polyoxometalate. Chemistry Letters, 2017, 46, 602-604.	1.3	14
53	Structural Dependence of the Effects of Polyoxometalates on Liposome Collapse Activity. Chemistry Letters, 2017, 46, 533-535.	1.3	14
54	Synthesis of Îµ-Keggin-Type Cobaltomolybdate-Based 3D Framework Material and Characterization Using Atomic-Scale HAADF-STEM and XANES. Inorganic Chemistry, 2017, 56, 2042-2049.	4.0	13

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55	Synthesis of crystalline molybdenum oxides based on a 1D molecular structure and their ion-exchange properties. New Journal of Chemistry, 2017, 41, 4503-4509.	2.8	7
56	Design of a highly active base catalyst through utilizing organic-solvent-treated layered silicate Hiroshima University Silicates. Dalton Transactions, 2017, 46, 7441-7450.	3.3	16
57	Synthesis of Crystalline Microporous Moâ€“Vâ€“Bi Oxide for Selective (Amm)Oxidation of Light Alkanes. Chemistry of Materials, 2017, 29, 2939-2950.	6.7	24
58	Incorporation of various heterometal atoms in CHA zeolites by hydrothermal conversion of FAU zeolite and their performance for selective catalytic reduction of NO x with ammonia. Microporous and Mesoporous Materials, 2017, 246, 89-101.	4.4	27
59	The Assembly of an Allâ€Inorganic Porous Soft Framework from Metal Oxide Molecular Nanowires. Chemistry - A European Journal, 2017, 23, 1972-1980.	3.3	11
60	Ultrathin Anionic Tungstophosphite Molecular Wire with Tunable Hydrophilicity and Catalytic Activity for Selective Epoxidation in Organic Media. Chemistry - A European Journal, 2017, 23, 17497-17503.	3.3	13
61	Two New Sandwich-Type Manganese {Mn5}-Substituted Polyoxotungstates: Syntheses, Crystal Structures, Electrochemistry, and Magnetic Properties. Inorganic Chemistry, 2017, 56, 8759-8767.	4.0	43
62	High-Performance Cathode Based on Microporous Moâ€“Vâ€“Bi Oxide for Li Battery and Investigation by Operando X-ray Absorption Fine Structure. ACS Applied Materials & Interfaces, 2017, 9, 26052-26059.	8.0	6
63	Thermally stable nanosized LEV zeolites synthesized by hydrothermal conversion of FAU zeolites in the presence of N,N-dimethylpiperidinium cations. Journal of Materials Chemistry A, 2017, 5, 19245-19254.	10.3	34
64	Ultrathin Anionic Tungstophosphite Molecular Wire with Tunable Hydrophilicity and Catalytic Activity for Selective Epoxidation in Organic Media. Chemistry - A European Journal, 2017, 23, 17397-17397.	3.3	0
65	Structural Characterization of 2D Zirconomolybdate by Atomic Scale HAADF-STEM and XANES and Its Highly Stable Electrochemical Properties as a Li Battery Cathode. Inorganic Chemistry, 2017, 56, 14306-14314.	4.0	4
66	New crystalline complex metal oxides created by unit-synthesis and their catalysis based on porous and redox properties. Faraday Discussions, 2016, 188, 81-98.	3.2	13
67	Acidic Ultrafine Tungsten Oxide Molecular Wires for Cellulosic Biomass Conversion. Angewandte Chemie - International Edition, 2016, 55, 10234-10238.	13.8	27
68	Lanthanoid Template Isolation of the Î±-1,5 Isomer of Dicobalt(II)-Substituted Keggin Type Phosphotungstates: Syntheses, Characterization, and Magnetic Properties. Inorganic Chemistry, 2016, 55, 8292-8300.	4.0	19
69	Acidic Ultrafine Tungsten Oxide Molecular Wires for Cellulosic Biomass Conversion. Angewandte Chemie, 2016, 128, 10390-10394.	2.0	9
70	One-pot Synthesis of Phosphorus-modified AEI Zeolites Derived by the Dual-template Method as a Durable Catalyst with Enhanced Thermal/Hydrothermal Stability for Selective Catalytic Reduction of NO_x by NH₃. Chemistry Letters, 2016, 45, 122-124.	1.3	36
71	Encapsulation of Two Potassium Cations in Preyssler-Type Phosphotungstates: Preparation, Structural Characterization, Thermal Stability, Activity as an Acid Catalyst, and HAADF-STEM Images. Inorganic Chemistry, 2016, 55, 11583-11592.	4.0	13
72	Synthesis of Vanadiumâ€Incorporated, Polyoxometalateâ€Based Open Frameworks and Their Applications for Cathodeâ€Active Materials. European Journal of Inorganic Chemistry, 2016, 2016, 1242-1250.	2.0	17

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73	Preparation of Î±₁- and Î±₂-isomers of mono-Ru-substituted Dawson-type phosphotungstates with an aqua ligand and comparison of their redox potentials, catalytic activities, and thermal stabilities with Keggin-type derivatives. Dalton Transactions, 2016, 45, 3715-3726.	3.3	16
74	Nanosized CHA zeolites with high thermal and hydrothermal stability derived from the hydrothermal conversion of FAU zeolite. Microporous and Mesoporous Materials, 2016, 225, 524-533.	4.4	86
75	Synthesis of phosphorus-modified small-pore zeolites utilizing tetraalkyl phosphonium cations as both structure-directing and phosphorous modification agents. Microporous and Mesoporous Materials, 2016, 223, 129-139.	4.4	51
76	Hydrothermal Conversion of Titanated FAU to AEI Zeolite and Its Enhanced Catalytic Performance for NO_{<I>x</I>} Reduction. Advanced Porous Materials, 2016, 4, 62-72.	0.3	12
77	Preparation and Structural Characterization of Mono-Ru-Substituted Î±2-Dawson-Type Phosphotungstate with a Carbonyl Ligand and Other Ru(CO)-Substituted Heteropolytungstates. European Journal of Inorganic Chemistry, 2015, 2015, 2714-N2723.	2.0	10
78	Cation Effect on Formation of Preysslerâ€type 30â€Tungstoâ€5â€phosphate: Enhanced Yield of Naâ€encapsulated Derivative and Direct Synthesis of Caâ€and Biâ€Encapsulated Derivatives. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2670-2676.	1.2	20
79	Fimbriae Expression by <i>Edwardsiella tarda</i> in High-salt Culture Conditions. Fish Pathology, 2015, 50, 207-212.	0.7	2
80	Synthesis of titanated chabazite with enhanced thermal stability by hydrothermal conversion of titanated faujasite. Microporous and Mesoporous Materials, 2015, 215, 58-66.	4.4	32
81	Ultrathin inorganic molecular nanowire based on polyoxometalates. Nature Communications, 2015, 6, 7731.	12.8	50
82	Highly active and selective Ti-incorporated porous silica catalysts derived from grafting of titanium(<scp>iv</scp>)acetylacetonate. Journal of Materials Chemistry A, 2015, 3, 15280-15291.	10.3	30
83	Redox Treatment of Orthorhombic Mo₂₉V₁₁O₁₁₂ and Relationships between Crystal Structure, Microporosity and Catalytic Performance for Selective Oxidation of Ethane. Journal of Physical Chemistry C, 2015, 119, 7195-7206.	3.1	49
84	Design of Microporous Material HUS-10 with Tunable Hydrophilicity, Molecular Sieving, and CO₂ Adsorption Ability Derived from Interlayer Silylation of Layered Silicate HUS-2. ACS Applied Materials & Interfaces, 2015, 7, 24360-24369.	8.0	20
85	Synthesis of high-silica AEI zeolites with enhanced thermal stability by hydrothermal conversion of FAU zeolites, and their activity in the selective catalytic reduction of NO_x with NH₃. Journal of Materials Chemistry A, 2015, 3, 857-865.	10.3	95
86	Selective carbon dioxide adsorption of Îµ-Keggin-type zincomolybdate-based purely inorganic 3D frameworks. Journal of Materials Chemistry A, 2015, 3, 746-755.	10.3	39
87	Functionalization of Layered Titanates. Journal of Nanoscience and Nanotechnology, 2014, 14, 2135-2147.	0.9	48
88	Preparation and Characterization of Preysslerâ€type Phosphotungstic Acid, H_{15â€“n}[P₅W₃₀O₁₁₀Mⁿ⁺], with Different Encapsulated Cations (M = Na, Ca, Bi, Eu, Y, or Ce), and their Thermal Stability and Acid Catalyst Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1314-1321.	1.2	20
89	Tetrahedral Connection of Îµ-Keggin-type Polyoxometalates To Form an All-Inorganic Octahedral Molecular Sieve with an Intrinsic 3D Pore System. Inorganic Chemistry, 2014, 53, 903-911.	4.0	65
90	Synthesis and characteristics of novel layered silicate HUS-7 using benzyltrimethylammonium hydroxide and its unique and selective phenol adsorption behavior. Journal of Materials Chemistry A, 2014, 2, 3372.	10.3	22

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91	Investigation of the formation process of zeolite-like 3D frameworks constructed with Îµ-Keggin-type polyoxovanadomolybdates with binding bismuth ions and preparation of a nano-crystal. Dalton Transactions, 2014, 43, 13584.	3.3	19
92	Design of Layered Silicate by Grafting with Metal Acetylacetonate for High Activity and Chemoselectivity in Photooxidation of Cyclohexane. ACS Applied Materials & Interfaces, 2014, 6, 4616-4621.	8.0	28
93	Preparation, Structural Characterization, and Ion-Exchange Properties of Two New Zeolite-like 3D Frameworks Constructed by Îµ-Keggin-Type Polyoxometalates with Binding Metal Ions, H_{11.4}[ZnMo₁₂O₄₀Zn₂]^{1.5â€“} and H_{7.5}[Mn_{0.2}Mo₁₂O₄₀Mn₂]^{2.1â€“}. Inorganic Chemistry, 2014, 53, 7209-7218.	4.0	48
94	Preparation and Redox Studies of Î±₁- and Î±₂-Isomers of Mono-Ru-Substituted Dawson-type Phosphotungstates with a DMSO Ligand: [Î±₁/Î±₂-P₂W₁₇O₆₁Ru^{II}(DMSO)]^{8â€“}. Inorganic Chemistry, 2014, 53, 3526-3539.	4.0	16
95	Synthesis and Structural Characterization of Isomers of Ru-Substituted Keggin-Type Germanotungstate with dmso Ligand. Journal of Cluster Science, 2014, 25, 755-770.	3.3	9
96	Recreation of BrÃ¸nsted acid sites in phosphorus-modified HZSM-5(Ga) by modification with various metal cations. Applied Catalysis A: General, 2014, 481, 161-168.	4.3	14
97	Hydrothermal conversion of FAU and â^—BEA-type zeolites into MAZ-type zeolites in the presence of non-calcined seed crystals. Microporous and Mesoporous Materials, 2014, 196, 254-260.	4.4	38
98	Incorporation of Heteropolyacids into Layered Silicate HUS-2 Grafted with 3-(Aminopropyl)triethoxysilane. Bulletin of the Chemical Society of Japan, 2014, 87, 1379-1385.	3.2	10
99	An Efficient Way to Synthesize Hiroshima University Silicate-1 (HUS-1) and the Selective Adsorption Property of Ni2+ from Seawater. Bulletin of the Chemical Society of Japan, 2014, 87, 160-166.	3.2	10
100	Facile Synthesis of AEI Zeolites by Hydrothermal Conversion of FAU Zeolites in the Presence of Tetraethylphosphonium Cations. Chemistry Letters, 2014, 43, 302-304.	1.3	52
101	Structure and electrochemical activity of WOx-supported PtRu catalyst using three-dimensionally ordered macroporous WO3 as the template. Journal of Power Sources, 2013, 241, 728-735.	7.8	21
102	Characterization of layered silicate HUS-5 and formation of novel nanoporous silica through transformation of HUS-5 ion-exchanged with alkylammonium cations. Journal of Materials Chemistry A, 2013, 1, 9680.	10.3	13
103	Preparation of tetrabutylammonium salt of a mono-Ru(iii)-substituted Î±-Keggin-type silicotungstate with a 4,4â€²-bipyridine ligand and its electrochemical behaviour in organic solvents. Dalton Transactions, 2013, 42, 7190.	3.3	12
104	Precisely designed layered silicate as an effective and highly selective CO2 adsorbent. Chemical Communications, 2013, 49, 9027.	4.1	24
105	An orthorhombic Mo₃VO_xcatalyst most active for oxidative dehydrogenation of ethane among related complex metal oxides. Catalysis Science and Technology, 2013, 3, 380-387.	4.1	90
106	Determination of Î±-Keggin structure of [GeW₁₁O₃₉Ru^{III}(H₂O)]^{5â^’}. Reaction of [GeW₁₁O₃₉Ru^{III}(H₂O)]^{5â^’}with dimethyl sulfoxide to form [GeW₁₁O₃₉Ru^{III}(dmso)]^{5â^’}and their structural characterization. Dalton Transactions, 2013, 42, 2540-2545.	3.3	20
107	One-pot synthesis of microporous and mesoporous (NH4)3PW12O40 by reaction of in-situ generated PW12O403â^’ with NH4+ in a strongly acidic solution. Materials Research Bulletin, 2013, 48, 4157-4162.	5.2	5
108	First synthesis of SAPO molecular sieve with LTL-type structure by hydrothermal conversion of SAPO-37 with FAU-type structure. Microporous and Mesoporous Materials, 2013, 179, 224-230.	4.4	9

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109	Effects of Au Loading and CO₂ Addition on Photocatalytic Selective Phenol Oxidation over TiO₂â€Supported Au Nanoparticles. ChemCatChem, 2013, 5, 766-773.	3.7	23
110	Ternary modified TiO2 as a simple and efficient photocatalyst for green organic synthesis. Chemical Communications, 2013, 49, 3652.	4.1	26
111	Assembly of a Pentagonal Polyoxomolybdate Building Block, [Mo6O21]6-, into Crystalline MoV Oxides. European Journal of Inorganic Chemistry, 2013, 2013, 1731-1736.	2.0	35
112	Synthesis of Novel Orthorhombic Mo and V Based Complex Oxides Coordinating Alkylammonium Cation in Its Heptagonal Channel and Their Application as a Catalyst. Chemistry of Materials, 2013, 25, 2211-2219.	6.7	34
113	Role of Structural Similarity Between Starting Zeolite and Product Zeolite in the Interzeolite Conversion Process. Journal of Nanoscience and Nanotechnology, 2013, 13, 3020-3026.	0.9	67
114	Organoruthenium–Containing Heteropoly–23–Tungstate Family [{Ru(L)}₂(Î±â€XW₁₁O₃₉)₂WO₂]^{mâ€“} (L = benzene, pâ€cymene; X = Ge^{IV}, Si^{IV}, m = 10; B^{III},) Tj ETQq0 0 0 rgBT /Overlock 2.0 14		
115	Effect of Structure-Directing Agents on FAUâ€“CHA Interzeolite Conversion and Preparation of High Pervaporation Performance CHA Zeolite Membranes for the Dehydration of Acetic Acid Solution. Bulletin of the Chemical Society of Japan, 2013, 86, 1333-1340.	3.2	19
116	Molecular Recognitive Adsorption of Aqueous Propionic Acid on Hiroshima University Silicate-2 (HUS-2). Chemistry Letters, 2013, 42, 244-246.	1.3	8
117	High Potential of Interzeolite Conversion Method for Zeolite Synthesis. Journal of the Japan Petroleum Institute, 2013, 56, 183-197.	0.6	87
118	Conversion of Ethanol into Propylene over TON Type Zeolite. Journal of the Japan Petroleum Institute, 2013, 56, 22-31.	0.6	10
119	Effective and Selective Bisphenol A Synthesis on a Layered Silicate with Spatially Arranged Sulfonic Acid. ACS Applied Materials & Interfaces, 2012, 4, 2186-2191.	8.0	29
120	Important Property of Polymer Spheres for the Preparation of Three-Dimensionally Ordered Macroporous (3DOM) Metal Oxides by the Ethylene Glycol Method: The Glass-Transition Temperature. Langmuir, 2012, 28, 17766-17770.	3.5	43
121	Hydrothermal and solid-state transformation of ruthenium-supported Keggin-type heteropolytungstates [XW11O39{Ru(ii)(benzene)(H2O)}]nâ^' (X = P (n = 5), Si (n = 6), Ge (n = 6)) to ruthenium-substituted Keggin-type heteropolytungstates. Dalton Transactions, 2012, 41, 9901.	3.3	33
122	Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO2â€“choline hydroxideâ€“NaOHâ€“H2O system. Journal of Materials Chemistry, 2012, 22, 13682.	6.7	39
123	Molecular recognitive adsorption of aqueous tetramethylammonium on the organic derivative of Hiroshima University Silicate-1 with a silane coupling reagent. Chemical Communications, 2012, 48, 7073.	4.1	17
124	Highly efficient and selective sunlight-induced photocatalytic oxidation of cyclohexane on an eco-catalyst under a CO2 atmosphere. Green Chemistry, 2012, 14, 1264.	9.0	27
125	Sunlight-induced effective heterogeneous photocatalytic decomposition of aqueous organic pollutants to CO2 assisted by a CO2 sorbent, amine-containing mesoporous silica. Chemical Communications, 2012, 48, 5521.	4.1	9
126	Building Block Synthesis of Crystalline Moâ€“V-based Oxides: Selective Oxidation Catalysts. Journal of the Japan Petroleum Institute, 2012, 55, 229-235.	0.6	6

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127	Efficient and Selective Photocatalytic Cyclohexane Oxidation on a Layered Titanate Modified with Iron Oxide under Sunlight and CO₂ Atmosphere. ACS Catalysis, 2012, 2, 1910-1915.	11.2	61
128	Stabilization of Highâ€Valence Ruthenium with Silicotungstate Ligands: Preparation, Structural Characterization, and Redox Studies of Ruthenium(III)â€Substituted Î±â€Keggināâ€Type Silicotungstates with Pyridine Ligands, [SiW₁₁O₃₉Ru^{III}(Py)]^{5â^'}. Chemistry - an Asian Journal, 2012, 7, 1331-1339.	3.3	27
129	Conversion of ethanol to propylene over HZSM-5(Ga) co-modified with lanthanum and phosphorous. Applied Catalysis A: General, 2012, 417-418, 137-144.	4.3	33
130	Morphology-controlled preparation of iron-based oxides using a paper template. Materials Letters, 2012, 81, 80-83.	2.6	2
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132	Transformation of LEV-type zeolite into less dense CHA-type zeolite. Microporous and Mesoporous Materials, 2012, 158, 117-122.	4.4	71
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