

Takuji Ikeda

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152 papers	4,051 citations	30 h-index	60 g-index
166 ext. papers	4,376 ext. citations	4.5 avg, IF	5.35 L-index

#	Paper	IF	Citations
152	A Rietveld-Analysis Programm RIETAN-98 and its Applications to Zeolites. <i>Materials Science Forum</i> , 2000 , 321-324, 198-205	0.4	1540
151	Dysnomia, a computer program for maximum-entropy method (MEM) analysis and its performance in the MEM-based pattern fitting. <i>Powder Diffraction</i> , 2013 , 28, 184-193	1.8	178
150	The topotactic conversion of a novel layered silicate into a new framework zeolite. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4892-6	16.4	160
149	NaBi binary phase diagram and solution growth of silicon crystals. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 723-726	5.7	74
148	MEM-Based Structure-Refinement System REMEDY and its Applications. <i>Materials Science Forum</i> , 2001 , 378-381, 59-64	0.4	68
147	Whitlockite-Related Phosphates Sr ₉ A(PO ₄) ₇ (A=Sc, Cr, Fe, Ga, and In): Structure Refinement of Sr ₉ In(PO ₄) ₇ with Synchrotron X-Ray Powder Diffraction Data. <i>Journal of Solid State Chemistry</i> , 2002 , 168, 237-244	3.3	66
146	An investigation of thermal stability of thin palladium-silver alloy membranes for high temperature hydrogen separation. <i>Journal of Membrane Science</i> , 2011 , 366, 212-219	9.6	61
145	Synthesis and crystal structure of layered silicate PLS-3 and PLS-4 as a topotactic zeolite precursor. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5518		57
144	Crystal structure of an open-tunnel oxide δ -MnO ₂ analyzed by Rietveld refinements and MEM-based pattern fitting. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1258-1267	3.3	54
143	Synthesis of new microporous layered organic-inorganic hybrid nanocomposites by alkoxysilylation of a crystalline layered silicate, ilerite. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4035-4043		53
142	Crystal Structure of a Helix Layered Silicate Containing Tetramethylammonium Ions in Sodalite-Like Cages. <i>Chemistry of Materials</i> , 2001 , 13, 1286-1295	9.6	49
141	New silica clathrate minerals that are isostructural with natural gas hydrates. <i>Nature Communications</i> , 2011 , 2, 196	17.4	47
140	Preparation and crystal structure of RUB-18 modified for synthesis of zeolite RWR by topotactic conversion. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 488-500	5.3	45
139	Structure Analysis of Si-Atom Pillared Lamellar Silicates Having Micropore Structure by Powder X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3466-3476	3.8	43
138	Structural Study of Sodium-Type Zeolite LTA by Combination of Rietveld and Maximum-Entropy Methods. <i>Chemistry of Materials</i> , 1998 , 10, 3996-4004	9.6	42
137	Deactivation of ZSM-5 zeolite during catalytic steam cracking of n-hexane. <i>Fuel Processing Technology</i> , 2014 , 126, 343-349	7.2	41
136	High-pressure form of (VO) ₂ P ₂ O ₇ : A spin-1/2 antiferromagnetic alternating-chain compound with one kind of chain and a single spin gap. <i>Physical Review B</i> , 1999 , 60, 10145-10149	3.3	40

- ¹³⁵ Fluorescence Spectra for the Microcrystals and Thin Films of trans,trans,trans-1,6-Diphenyl-1,3,5-hexatrienes. *Journal of Physical Chemistry B*, **2003**, 107, 3376-3383^{3,4} 39
- ¹³⁴ Importance of the support material in thin palladium composite membranes for steady hydrogen permeation at elevated temperatures. *Physical Chemistry Chemical Physics*, **2009**, 11, 8632-8 3.6 38
- ¹³³ In situ grazing-incidence x-ray-diffraction and electron-microscopic studies of small gold clusters. *Physical Review B*, **1998**, 57, 4053-4062 3.3 38
- ¹³² Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO₂/ethanolamine hydroxide/NaOH/H₂O system. *Journal of Materials Chemistry*, **2012**, 22, 13682 37
- ¹³¹ Preparation and characterization of silicalite-1 membranes prepared by secondary growth of seeds with different crystal sizes. *Journal of Membrane Science*, **2006**, 280, 397-405 9.6 37
- ¹³⁰ Structural Study of the Quantum-Spin Chain Compound (VO)₂P₂O₇. *Journal of Solid State Chemistry*, **1999**, 146, 369-379 3.3 36
- ¹²⁹ Oxidative coupling of methane over alkali chloride/Mn/Na₂WO₄/SiO₂ catalysts: Promoting effect of molten alkali chloride. *Fuel Processing Technology*, **2015**, 133, 29-34 7.2 35
- ¹²⁸ Hydrothermal conversion of FAU zeolite into aluminous MTN zeolite. *Journal of Porous Materials*, **2009**, 16, 465-471 2.4 35
- ¹²⁷ Convenient conversion of crystalline layered silicate octosilicate into RWR-type zeolite by acetic acid intercalation. *New Journal of Chemistry*, **2007**, 31, 593 3.6 34
- ¹²⁶ Synthesis of AlPO₄-5 powder by microwave heating: Influence of starting gel pH and reaction time. *Microporous and Mesoporous Materials*, **1999**, 29, 329-337 5.3 34
- ¹²⁵ Synthesis and crystal structure of a layered silicate HUS-1 with a halved sodalite-cage topology. *Inorganic Chemistry*, **2011**, 50, 2294-301 5.1 33
- ¹²⁴ A Microporous Aluminosilicate with 12-, 12-, and 8-Ring Pores and Isolated 8-Ring Channels. *Journal of the American Chemical Society*, **2017**, 139, 7989-7997 16.4 30
- ¹²³ In situ high-temperature X-ray diffraction study of thin palladium/alumina composite membranes and their hydrogen permeation properties. *Journal of Membrane Science*, **2009**, 335, 126-132 9.6 30
- ¹²² A multi-dimensional microporous silicate that is isomorphous to zeolite MCM-68. *Angewandte Chemie - International Edition*, **2008**, 47, 1042-6 16.4 30
- ¹²¹ Investigation of Si Atom Migration in the Framework of MSE-Type Zeolite YNU-2. *Journal of Physical Chemistry C*, **2010**, 114, 19641-19648 3.8 27
- ¹²⁰ Solvation dynamics of coumarin 153 in alcohols confined in silica nanochannels. *Journal of Physical Chemistry A*, **2008**, 112, 11535-42 2.8 27
- ¹¹⁹ Effective immobilization of subunit protein in mesoporous silica modified with ethanol. *Biotechnology and Bioengineering*, **2007**, 97, 200-5 4.9 27
- ¹¹⁸ Carbon-Rich Active Materials with Macrocyclic Nanochannels for High-Capacity Negative Electrodes in All-Solid-State Lithium Rechargeable Batteries. *Small*, **2016**, 12, 3381-7 11 26

117	Neutron powder diffraction study of potassium clusters in zeolite K-LTA. <i>Chemical Physics Letters</i> , 2000 , 318, 93-101	2.5	24
116	Dehydration of Concentrated Acetic Acid Solutions by Pervaporation Using Novel MER Zeolite Membranes. <i>Chemistry Letters</i> , 2007 , 36, 594-595	1.7	22
115	Structural study of the aluminophosphate AlPO ₄ -5 by neutron powder diffraction. <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 1531-1535	3.9	22
114	Synthesis and characteristics of novel layered silicate HUS-7 using benzyltrimethylammonium hydroxide and its unique and selective phenol adsorption behavior. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3372	13	20
113	Solvothermal Synthesis of IT-type Zeolite. <i>Crystal Growth and Design</i> , 2012 , 12, 1752-1761	3.5	20
112	Strong Interaction at the Palladium/Alumina Interface of Membrane during Hydrogen Permeation at Elevated Temperature. <i>Chemistry Letters</i> , 2008 , 37, 1004-1005	1.7	20
111	Synthesis of lamellar mesostructured calcium phosphates using n-alkylamines as structure-directing agents in alcohol/water mixed solvent systems. <i>Journal of Materials Science</i> , 2008 , 43, 4198-4207	4.3	20
110	K ⁺ ion distribution in zeolite ZK-4B with various Si/Al ratios and the contribution of K ⁺ ions to K cluster formation. <i>Microporous and Mesoporous Materials</i> , 2003 , 57, 249-261	5.3	20
109	Effect of steam during catalytic cracking of n-hexane using P-ZSM-5 catalyst. <i>Catalysis Communications</i> , 2015 , 69, 20-24	3.2	19
108	Preparation and Hydrogen Permeation Properties of Thin Pd-Au Alloy Membranes Supported on Porous α -Alumina Tube. <i>Materials Transactions</i> , 2008 , 49, 449-452	1.3	19
107	Preparation of a microporous layered organic-inorganic hybrid nanocomposite using p-aminotrimethoxysilane and a crystalline layered silicate, ilerite. <i>Journal of Colloid and Interface Science</i> , 2009 , 331, 417-24	9.3	17
106	Synthesis and structure analysis of RUB-50, an LEV-type aluminosilicate zeolite. <i>Microporous and Mesoporous Materials</i> , 2010 , 128, 150-157	5.3	17
105	The Topotactic Conversion of a Novel Layered Silicate into a New Framework Zeolite. <i>Angewandte Chemie</i> , 2004 , 116, 5000-5004	3.6	17
104	Quantitative Analysis of Structural Defect in Silicalite by Rietveld Refinements Using X-ray Powder Diffraction and ²⁹ Si MAS NMR. <i>Bulletin of the Chemical Society of Japan</i> , 2009 , 82, 1160-1169	5.1	16
103	Liquid structure of 1-butyl-3-methylimidazolium hexafluorophosphate by neutron diffraction with H/D isotopic substitution method. <i>Analytical Sciences</i> , 2008 , 24, 1373-6	1.7	16
102	Silica-based mesoporous materials derived from Ti containing layered polysilicate kanemite. <i>Microporous and Mesoporous Materials</i> , 2006 , 95, 146-153	5.3	15
101	Polytype distributions in low-defect zeolite beta crystals synthesized without an organic structure-directing agent. <i>Microporous and Mesoporous Materials</i> , 2016 , 225, 210-215	5.3	13
100	Characterization of layered silicate HUS-5 and formation of novel nanoporous silica through transformation of HUS-5 ion-exchanged with alkylammonium cations. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9680	13	13

99	Amphiphilic Organic-Inorganic Hybrid Zeotype Aluminosilicate like a Nanoporous Crystallized Langmuir-Blodgett Film. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7994-8	16.4	13
98	Synthesis of Cs β -aluminosilicate zeolites and thermal phase transformation from BIK to CAS frameworks. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 551-560	5.3	13
97	Crystal Structure of Tubular Na β -TA Zeolite Membrane Used for a Vapor Permeation Process: Unusual Distribution of Adsorbed Water Molecules. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10870-10876	3.9	13
96	Synthesis and characteristic properties of Rb-mordenite. <i>Microporous and Mesoporous Materials</i> , 2007 , 101, 57-65	5.3	13
95	Crystal Structures of Zeolite Linde Type A Incorporating K Clusters: Dependence on the K Atom Loading Density. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17709-17720	3.4	13
94	Optical and X-ray diffraction study of AgI clusters incorporated into zeolite LTA. <i>European Physical Journal D</i> , 1999 , 9, 601-604	1.3	13
93	Synthesis of Heterocoordinated Atom-Containing Zeotypes Utilizing a Mechanochemical Reaction. <i>Crystal Growth and Design</i> , 2012 , 12, 1354-1361	3.5	12
92	Synthesis of Co-substituted Zeolites in the presence of cobalt complex with EDMA. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 444-453	5.3	12
91	An effect of the seed species on the PV performance of the secondary synthesized MER zeolite membranes. <i>Microporous and Mesoporous Materials</i> , 2009 , 126, 107-114	5.3	12
90	Incorporation of AgI clusters into the cages of zeolites LTA and FAU observed by optical spectra and X-ray diffraction patterns. <i>Chemical Physics Letters</i> , 1999 , 300, 499-503	2.5	12
89	P-ZSM-5 Pretreated by High-Temperature Calcination as Durable Catalysts for Steam Cracking of n-Hexane. <i>Catalysis Letters</i> , 2014 , 144, 44-49	2.8	11
88	Fabrication of porous SiC ceramics having pores shaped with Si grain templates. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 409-413	6	11
87	Syntheses and structural properties of four Rb-aluminosilicate zeolites. <i>Microporous and Mesoporous Materials</i> , 2008 , 114, 495-506	5.3	11
86	Formation of K clusters in K-form zeolite ZK-4's with Si/Al>1. <i>Solid State Communications</i> , 2002 , 123, 387-390	1.9	11
85	Intermolecular CH π O hydrogen bonds in formyl-substituted diphenylhexatriene, a [2+2] photoreactive organic solid: Crystal structure and IR, NMR spectroscopic evidence. <i>Journal of Molecular Structure</i> , 2011 , 1006, 366-374	3.4	10
84	Solubility and Crystallization-controlled Synthesis of Lamellar Mesostructured Calcium Phosphate in the Ethanol/Water System. <i>Chemistry Letters</i> , 2006 , 35, 948-949	1.7	10
83	Synchrotron X-ray and TOF neutron powder diffraction study of a lyonsite-type oxide Co _{3.6} Fe _{3.6} (VO ₄) ₆ . <i>Solid State Sciences</i> , 2002 , 4, 515-522	3.4	10
82	Crystal Structures of Heavily Na-Loaded Low-Silica X (LSX) Zeolites in Insulating and Metallic States. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23202-23211	3.8	9

81	A Novel Crystalline Organic-Inorganic Hybrid Material Having a Large Adsorption Capacity for Bulky Organic Molecules. <i>Chemistry Letters</i> , 2014 , 43, 376-378	1.7	8
80	Structural conversion of crystalline layered silicate magadiite to microporous material by acetic acid intercalation. <i>Journal of Porous Materials</i> , 2009 , 16, 641-649	2.4	8
79	A Novel Layered Silicate Having the Intercalated Potassium Cation: Synthesis, Characterizations, and Modification by Acid Treatment. <i>Chemistry Letters</i> , 2007 , 36, 1248-1249	1.7	8
78	RMA-3: synthesis and structure of a novel Rb-aluminosilicate zeolite. <i>Chemical Communications</i> , 2005 , 2753-5	5.8	8
77	High-resolution and high-intensity powder diffractometer at BL15XU in SPring-8. <i>Journal of Synchrotron Radiation</i> , 2003 , 10, 424-9	2.4	8
76	Separation and enrichment of arsenic(V) with composite resin beads containing magnetite crystals. <i>Analytical Sciences</i> , 2005 , 21, 433-5	1.7	8
75	Structural Changes and Phase Transitions in Whitlockite-Like Phosphates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002 , 177, 1899-1902	1	8
74	Strontium phosphates with $\text{Ca}_3(\text{PO}_4)_2$ -type structures: $\text{Sr}_9\text{NiLi}(\text{PO}_4)_7$, $\text{Sr}_{9.04}\text{Ni}_{1.02}\text{Na}_{0.88}(\text{PO}_4)_7$, and $\text{Sr}_{9.08}\text{Ni}_{1.04}\text{K}_{0.76}(\text{PO}_4)_7$. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3803-3808		8
73	Development of PM0.1 Personal Sampler for Evaluation of Personal Exposure to Aerosol Nanoparticles. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 180-187	4.6	8
72	Synthesis, crystal structure, and high-temperature phase transition of the novel plumbide Na_2MgPb . <i>Inorganic Chemistry</i> , 2014 , 53, 5253-9	5.1	7
71	Ca^{2+} -exchanged ferrierite: Quasi one-dimensional zeolite for highly selective and stable formation of light alkenes in catalytic cracking of n-octane. <i>Applied Catalysis A: General</i> , 2011 , 407, 127-133	5.1	7
70	Characters of the Tetramethylammonium Ion in ZK-4 Zeolites Depending on Their Si/Al Ratios. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12885-12895	3.8	7
69	Synthesis of Gallium-sodalite from a Layered Silicate with a Half Cup-type Sodalite Cage Structure. <i>Chemistry Letters</i> , 2006 , 35, 672-673	1.7	7
68	Synthesis and characterization of new layered silicates in the system $\text{SiO}_2\text{-NaOH}$ -tetramethylammonium hydroxide-4-dioxane. <i>Materials Chemistry and Physics</i> , 2004 , 86, 112-122	4.4	7
67	Insulating phase of potassium clusters arrayed in low-silica-type zeolite FAU. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 229-232	2.8	7
66	The modeling of wall structure of siliceous MCM-41 based on the formation process. <i>Studies in Surface Science and Catalysis</i> , 2002 , 69-76	1.8	7
65	Disordered Distribution of K^+ Ions Interlayered in $\text{K}_x\text{Ti}_2\text{O}_7/3\text{Li}_x/3\text{O}_4$ ($x = 0.8$). <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 341, 253-258		7
64	Synthesis, crystal structure and characterization of novel open framework CHA-type aluminophosphate involving a chiral diamine. <i>Dalton Transactions</i> , 2016 , 45, 15193-15202	4.3	6

63	Influence of change in the unit cell parameters on permeation properties of AEI-type zeolite membrane. <i>Journal of Membrane Science</i> , 2016 , 499, 538-543	9.6	6
62	Discovery of a new crystalline phase: BiGeO ₂ (OH) ₂ (NO ₃). <i>CrystEngComm</i> , 2014 , 16, 10080-10088	3.3	6
61	A new aluminophosphate phase, AlPO-NS, with a bellows-like morphology obtained from prolonged hydrothermal process or increased pH value of initial solution for synthesizing AlPO ₄ -5. <i>Microporous and Mesoporous Materials</i> , 2012 , 162, 31-35	5.3	6
60	Crystal structure, characterization and thermal stability of NH ₄ ⁺ -exchanged ITT-type zeolite. <i>Microporous and Mesoporous Materials</i> , 2012 , 163, 42-50	5.3	6
59	NMR study of Rb clusters in zeolite LTA. <i>Physica B: Condensed Matter</i> , 2003 , 327, 72-78	2.8	6
58	Preparation and Characterization of Al-CDS-1 Zeolite. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 424-428		6
57	Multi-Purpose Pattern-Fitting System RIETAN-2000 and its Applications to Microporous Materials.. <i>Nihon Kessho Gakkaishi</i> , 2000 , 42, 516-521	0	6
56	Synthesis and electrical conductivity of Na ₃ B ₂ O ₇ . <i>Solid State Sciences</i> , 2020 , 102, 106166	3.4	5
55	Electron Microscopy Study of Binary Nanocolloidal Crystals with ico-AB ₁₃ Structure Made of Monodisperse Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15004-15010	3.8	5
54	Structure Determination of H-LDS: An Acidified Form of the Layered Silicate K-LDS. <i>Chemistry Letters</i> , 2010 , 39, 747-749	1.7	5
53	Control on arrangement of AgI clusters incorporated into zeolite LTA. <i>European Physical Journal D</i> , 2003 , 24, 299-302	1.3	5
52	Influence of the Synthesis Parameters on the Morphology and Dehydration Performance of High-Silica Chabazite Membranes. <i>Advanced Porous Materials</i> , 2016 , 4, 134-143		5
51	Thermoelectric Properties of Na ₂ ZnSn ₅ Dimorphs with Na Atoms Disordered in Tunnels. <i>Chemistry of Materials</i> , 2017 , 29, 859-866	9.6	4
50	Novel crystalline organic-inorganic hybrid silicate material composed of the alternate stacking of semi-layered zeolite and microporous organic layers.. <i>RSC Advances</i> , 2019 , 9, 2641-2644	3.7	4
49	Room-temperature synthesis of Bi ₄ Ge ₃ O ₁₂ from aqueous solution. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 06FJ03	1.4	4
48	Solvothermal synthesis and characterization of a layered silicate including a large quantity of Al atom and its mesoporous derivatives. <i>Microporous and Mesoporous Materials</i> , 2014 , 191, 38-47	5.3	4
47	Effect of alkali cations on the synthesis of novel layered silicates in the system SiO ₂ -tetramethylammonium hydroxide-1,4-dioxane. <i>Materials Chemistry and Physics</i> , 2006 , 99, 470-473	4.4	4
46	Synthesis of a lamellar mesostructured calcium phosphate using hexadecylamine as a structure-directing agent in the ethanol/water solvent system. <i>Studies in Surface Science and Catalysis</i> , 2007 , 165, 253-256	1.8	4

45	Optical Transitions of Agi and Agbr Clusters in Zeolite Fau. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 341, 441-446		4
44	Development of a Sharp-Cut Inertial Filter Combined with an Impactor. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 644-652	4.6	4
43	GAM-3: a zeolite formed from AlPO-5 multistep structural changes. <i>Chemical Communications</i> , 2020 , 56, 14901-14904	5.8	4
42	Synthesis, crystal structure and physicochemical properties of organic-inorganic compounds KCS-3 and KCS-4. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 16-24	5.3	3
41	Solid-state NMR and powder X-ray diffraction studies on ammonium ion-exchanged and dealuminated zeolite YNU-5. <i>Microporous and Mesoporous Materials</i> , 2020 , 302, 110197	5.3	3
40	The selective adsorption of tellurium in the aluminosilicate regions of AFI- and MOR-type microporous crystals. <i>Dalton Transactions</i> , 2014 , 43, 13979-87	4.3	3
39	Synthesis and crystal structure analysis of a novel strontosilicate AES-19 having two dimensional eight-membered ring micropores. <i>Microporous and Mesoporous Materials</i> , 2013 , 172, 13-19	5.3	3
38	Optical and structural studies of CuI clusters in zeolites LTA and FAU. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1299-1302	3.9	3
37	Synthesis and crystal structure analysis of a novel lithium-containing calcosilicate AES-7. <i>Microporous and Mesoporous Materials</i> , 2020 , 297, 110038	5.3	2
36	Minohlite, a new copper-zinc sulfate mineral from Minoh, Osaka, Japan. <i>Mineralogical Magazine</i> , 2013 , 77, 335-342	1.7	2
35	Unusual Helical Disorder of Na Atoms in the Tunnel Structure of Thermoelectric Compound $\text{Na}_{2+x}\text{Ga}_{2+x}\text{Sn}_{4-x}$ at High Temperature. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20141-20149	3.8	2
34	Structural changes in M^{II} zeolites related to cation-exchange treatments under aqueous and non-aqueous conditions. <i>Microporous and Mesoporous Materials</i> , 2014 , 190, 92-98	5.3	2
33	Preparation of plate-like mesoporous material from layered silicate RUB-15. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 2864-70	1.3	2
32	Ab-initio structure determination of novel strontium-containing layered silicate AES-18 synthesized using mechanochemical reaction. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013 , 228, 173-179		2
31	Influence of Gas Flow Conditions on Cluster Size Distribution in the Gas Evaporation Method. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 7050-7051	1.4	2
30	Promoting Effect of Cyclic Ethers in the Layered Silicate Synthesis. <i>Chemistry Letters</i> , 2003 , 32, 1164-1165	1.7	2
29	Novel high-silica zeolite CDS-1 converted from layered silicate PLS-1 by dehydration-condensation. <i>Studies in Surface Science and Catalysis</i> , 2005 , 223-230	1.8	2
28	Arrangement of K Clusters in the K-Doped Zeolite K-LTA. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 341, 447-452		2

27	A new microporous 12-ring zincosilicate THK-2 with many terminal silanols characterized by automated electron diffraction tomography. <i>Dalton Transactions</i> , 2020 , 49, 12960-12969	4.3	2
26	Synthesis and crystal structures of a novel layered silicate SSA-1 and its microporous derivatives by topotactic transformation. <i>Dalton Transactions</i> , 2016 , 45, 16335-16344	4.3	2
25	Efficient production of L-phenylalanine by glutamate decarboxylase immobilized on an amphiphilic organic-inorganic hybrid porous material. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 131, 250-255	3.3	2
24	High volume air sampler for environmental nanoparticles using a sharp-cut inertial filter combined with an impactor. <i>Measurement Science and Technology</i> , 2017 , 28, 025801	2	1
23	Synthesis and crystal structure analysis of a novel microporous barium-containing silicate AES-20. <i>Microporous and Mesoporous Materials</i> , 2017 , 243, 239-246	5.3	1
22	Draft Genome Sequence of <i>Vibrio harveyi</i> Strain GAN1807, Isolated from Diseased Greater Amberjack (<i>Seriola dumerili</i>) Farmed in Nomi Bay, Japan, in 2018. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
21	Indexing, Extraction of Integrated Intensity, and Structure Solution by the Direct Method and Charge Flipping from Power X-Ray Diffraction Data. <i>Nihon Kessho Gakkaishi</i> , 2011 , 53, 231-239	0	1
20	Oxidation of Carbon Monoxide with Silver-exchanged Mordenite Containing Cobalt in Framework Sites. <i>Chemistry Letters</i> , 2011 , 40, 480-481	1.7	1
19	Pseudo-micropores formed by one-dimensional framework with hydrogen bonding in CsHSi ₂ O ₅ observed by synchrotron powder diffraction and solid-state MAS NMR. <i>New Journal of Chemistry</i> , 2008 , 32, 2108	3.6	1
18	GAM-4: a novel microporous silicoaluminophosphate crystal formed by the interzeolite conversion of SAPO-5 zeolite. <i>Journal of Porous Materials</i> , 2022 , 29, 583	2.4	1
17	BaZnAlO with a Framework of ([O(Zn/Al)]/Ba)(Zn/AlO) Motifs. <i>ACS Omega</i> , 2021 , 6, 30140-30147	3.9	1
16	Bosoite, a new silica clathrate mineral from Chiba Prefecture, Japan. <i>Mineralogical Magazine</i> , 2020 , 84, 941-948	1.7	1
15	Crystalline Naphthylene Macrocycles Capturing Gaseous Small Molecules in Chiral Nanopores. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 3829-3835	4.5	1
14	Synthesis of a novel crystalline organic/inorganic hybrid material KCS-11, an ethanol-breathing pseudoporous layered aluminosilicate. <i>Materials Letters</i> , 2021 , 288, 129332	3.3	1
13	Observation of La-exchanged NaY zeolite using aberration-corrected scanning transmission electron microscopy. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110711	5.3	1
12	Crystallization of montesommaite-type aluminosilicate by post-synthetic treatment of lithosite-type aluminosilicate. <i>Microporous and Mesoporous Materials</i> , 2016 , 233, 102-108	5.3	
11	Amphiphilic Organic/Inorganic Hybrid Zeotype Aluminosilicate like a Nanoporous Crystallized Langmuir-Blodgett Film. <i>Angewandte Chemie</i> , 2015 , 127, 8105-8109	3.6	
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