Takuji Ikeda

List of Publications by Year in Descending Order

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	GAM-4: a novel microporous silicoaluminophosphate crystal formed by the interzeolite conversion of SAPO-5 zeolite. *Journal of Porous Materials*, **2022**, 29, 583	2.4	1
151	Giant Optical Anisotropy in High Temperature Superconducting Cuprate Bi2Sr2CaCu2O8+δ *Journal of the Physical Society of Japan*, **2021**, 90, 113702	1.5	
150	BaZnAlO with a Framework of ([O(Zn/Al)]/Ba)(Zn/AlO) Motifs. *ACS Omega*, **2021**, 6, 30140-30147	3.9	1
149	Synthesis of a novel crystalline organic–inorganic hybrid material KCS-11, an ethanol-breathing pseudoporous layered aluminosilicate. *Materials Letters*, **2021**, 288, 129332	3.3	1
148	Synthesis, crystal structure, and lithium ion conductivity of Li2.10Sn0.90O2.85. *Solid State Ionics*, **2021**, 364, 115610	3.3	
147	Observation of La-exchanged NaY zeolite using aberration-corrected scanning transmission electron microscopy. *Microporous and Mesoporous Materials*, **2021**, 311, 110711	5.3	1
146	Efficient production of γ-aminobutyric acid by glutamate decarboxylase immobilized on an amphiphilic organic-inorganic hybrid porous material. *Journal of Bioscience and Bioengineering*, **2021**, 131, 250-255	3.3	2
145	Synthesis and electrical conductivity of Na3B20. *Solid State Sciences*, **2020**, 102, 106166	3.4	5
144	Synthesis and crystal structure analysis of a novel lithium-containing calcosilicate AES-7. *Microporous and Mesoporous Materials*, **2020**, 297, 110038	5.3	2
143	Solid-state NMR and powder X-ray diffraction studies on ammonium ion-exchanged and dealuminated zeolite YNU-5. *Microporous and Mesoporous Materials*, **2020**, 302, 110197	5.3	3
142	Bosoite, a new silica clathrate mineral from Chiba Prefecture, Japan. *Mineralogical Magazine*, **2020**, 84, 941-948	1.7	1
141	GAM-3: a zeolite formed from AlPO-5 multistep structural changes. *Chemical Communications*, **2020** , 56, 14901-14904	5.8	4
140	A new microporous 12-ring zincosilicate THK-2 with many terminal silanols characterized by automated electron diffraction tomography. *Dalton Transactions*, **2020**, 49, 12960-12969	4.3	2
139	Crystalline Naphthylene Macrocycles Capturing Gaseous Small Molecules in Chiral Nanopores. *Chemistry - an Asian Journal*, **2020**, 15, 3829-3835	4.5	1
138	Synthesis, crystal structure and physicochemical properties of organic-inorganic compounds KCS-3 and KCS-4. *Microporous and Mesoporous Materials*, **2019**, 284, 16-24	5.3	3
137	Novel crystalline organic-inorganic hybrid silicate material composed of the alternate stacking of semi-layered zeolite and microporous organic layers.. *RSC Advances*, **2019**, 9, 2641-2644	3.7	4
136	Draft Genome Sequence of Vibrio harveyi Strain GAN1807, Isolated from Diseased Greater Amberjack (Seriola dumerili) Farmed in Nomi Bay, Japan, in 2018. *Microbiology Resource Announcements*, **2019**, 8,	1.3	1

135	Powder X-ray Diffraction Analysis of Zeolites and Contribution to the Development of a Multi-purpose Pattern Fitting System. *Nihon Kessho Gakkaishi*, **2019**, 61, 215-223	0	
134	Novel Organic-Inorganic Hybrid Material KCS-2 Having Amphiphilic Nano-Space. *Nihon Kessho Gakkaishi*, **2018**, 60, 225-226	0	
133	High volume air sampler for environmental nanoparticles using a sharp-cut inertial filter combined with an impactor. *Measurement Science and Technology*, **2017**, 28, 025801	2	1
132	Synthesis and crystal structure analysis of a novel microporous barium-containing silicate AES-20. *Microporous and Mesoporous Materials*, **2017**, 243, 239-246	5.3	1
131	Thermoelectric Properties of Na2ZnSn5 Dimorphs with Na Atoms Disordered in Tunnels. *Chemistry of Materials*, **2017**, 29, 859-866	9.6	4
130	Unusual Helical Disorder of Na Atoms in the Tunnel Structure of Thermoelectric Compound Na2+xGa2+xSn4 at High Temperature. *Journal of Physical Chemistry C*, **2017**, 121, 20141-20149	3.8	2
129	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
128	Development of a Sharp-Cut Inertial Filter Combined with an Impactor. *Aerosol and Air Quality Research*, **2017**, 17, 644-652	4.6	4
127	Synthesis, crystal structure and characterization of novel open framework CHA-type aluminophosphate involving a chiral diamine. *Dalton Transactions*, **2016**, 45, 15193-15202	4.3	6
126	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
125	Crystallization of montesommaite-type aluminosilicate by post-synthetic treatment of lithosite-type aluminosilicate. *Microporous and Mesoporous Materials*, **2016**, 233, 102-108	5.3	
124	Polytype distributions in low-defect zeolite beta crystals synthesized without an organic structure-directing agent. *Microporous and Mesoporous Materials*, **2016**, 225, 210-215	5.3	13
123	Influence of change in the unit cell parameters on permeation properties of AEI-type zeolite membrane. *Journal of Membrane Science*, **2016**, 499, 538-543	9.6	6
122	Influence of the Synthesis Parameters on the Morphology and Dehydration Performance of High-Silica Chabazite Membranes. *Advanced Porous Materials*, **2016**, 4, 134-143		5
121	Synthesis and crystal structures of a novel layered silicate SSA-1 and its microporous derivatives by topotactic transformation. *Dalton Transactions*, **2016**, 45, 16335-16344	4.3	2
120	Room-temperature synthesis of Bi4Ge3O12from aqueous solution. *Japanese Journal of Applied Physics*, **2015**, 54, 06FJ03	1.4	4
119	Amphiphilic Organic-Inorganic Hybrid Zeotype Aluminosilicate like a Nanoporous Crystallized Langmuir-Blodgett Film. *Angewandte Chemie - International Edition*, **2015**, 54, 7994-8	16.4	13
118	Amphiphilic Organic norganic Hybrid Zeotype Aluminosilicate like a Nanoporous Crystallized Langmuir lodgett Film. *Angewandte Chemie*, **2015**, 127, 8105-8109	3.6	

117	Effect of steam during catalytic cracking of n-hexane using P-ZSM-5 catalyst. *Catalysis Communications*, **2015**, 69, 20-24	3.2	19
116	Oxidative coupling of methane over alkali chlorideMnNa2WO4/SiO2 catalysts: Promoting effect of molten alkali chloride. *Fuel Processing Technology*, **2015**, 133, 29-34	7.2	35
115	Development of PM0.1 Personal Sampler for Evaluation of Personal Exposure to Aerosol Nanoparticles. *Aerosol and Air Quality Research*, **2015**, 15, 180-187	4.6	8
114	P-ZSM-5 Pretreated by High-Temperature Calcination as Durable Catalysts for Steam Cracking of n-Hexane. *Catalysis Letters*, **2014**, 144, 44-49	2.8	11
113	Synthesis, crystal structure, and high-temperature phase transition of the novel plumbide Na2MgPb. *Inorganic Chemistry*, **2014**, 53, 5253-9	5.1	7
112	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	13	20
111	Discovery of a new crystalline phase: BiGeO2(OH)2(NO3). *CrystEngComm*, **2014**, 16, 10080-10088	3.3	6
110	The selective adsorption of tellurium in the aluminosilicate regions of AFI- and MOR-type microporous crystals. *Dalton Transactions*, **2014**, 43, 13979-87	4.3	3
109	Crystal Structures of Heavily Na-Loaded Low-Silica X (LSX) Zeolites in Insulating and Metallic States. *Journal of Physical Chemistry C*, **2014**, 118, 23202-23211	3.8	9
108	Electron Microscopy Study of Binary Nanocolloidal Crystals with ico-AB13 Structure Made of Monodisperse Silica Nanoparticles. *Journal of Physical Chemistry C*, **2014**, 118, 15004-15010	3.8	5
107	Deactivation of ZSM-5 zeolite during catalytic steam cracking of n-hexane. *Fuel Processing Technology*, **2014**, 126, 343-349	7.2	41
106	A Novel Crystalline Organicnorganic Hybrid Material Having a Large Adsorption Capacity for Bulky Organic Molecules. *Chemistry Letters*, **2014**, 43, 376-378	1.7	8
105	Structural changes in IIT zeolites related to cation-exchange treatments under aqueous and non-aqueous conditions. *Microporous and Mesoporous Materials*, **2014**, 190, 92-98	5.3	2
104	Solvothermal synthesis and characterization of a layered silicate including a large quantity of Al atom and its mesoporous derivatives. *Microporous and Mesoporous Materials*, **2014**, 191, 38-47	5.3	4
103	Dysnomia, a computer program for maximum-entropy method (MEM) analysis and its performance in the MEM-based pattern fitting. *Powder Diffraction*, **2013**, 28, 184-193	1.8	178
102	Synthesis and crystal structure analysis of a novel strontosilicate AES-19 having two dimensional eight-membered ring micropores. *Microporous and Mesoporous Materials*, **2013**, 172, 13-19	5.3	3
101	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	13	13
100	Minohlite, a new copper-zinc sulfate mineral from Minoh, Osaka, Japan. *Mineralogical Magazine*, **2013**, 77, 335-342	1.7	2

99	Carbon Combustion over Synthetic Potassium Aluminosilicate with □IT Structure. *Chemistry Letters*, **2013**, 42, 118-120	1.7	
98	Preparation of plate-like mesoporous material from layered silicate RUB-15. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 2864-70	1.3	2
97	Ab-initio structure determination of novel strontium-containing layered silicate AES-18 synthesized using mechanochemical reaction. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2013**, 228, 173-179	1	2
96	Synthesis and characteristics of novel layered silicates HUS-2 and HUS-3 derived from a SiO2□holine hydroxide□NaOH□H2O system. *Journal of Materials Chemistry*, **2012**, 22, 13682		37
95	Solvothermal Synthesis of □IT-type Zeolite. *Crystal Growth and Design*, **2012**, 12, 1752-1761	3.5	20
94	Synthesis of Heterocoordinated Atom-Containing Zeotypes Utilizing a Mechanochemical Reaction. *Crystal Growth and Design*, **2012**, 12, 1354-1361	3.5	12
93	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 AlPO4-5. *Microporous and Mesoporous Materials*, **2012**, 162, 31-35	5.3	6
92	Crystal structure, characterization and thermal stability of NH4+-exchanged □IT-type zeolite. *Microporous and Mesoporous Materials*, **2012**, 163, 42-50	5.3	6
91	An investigation of thermal stability of thin palladium□silver alloy membranes for high temperature hydrogen separation. *Journal of Membrane Science*, **2011**, 366, 212-219	9.6	61
90	Synthesis of Co-substituted Zeolites in the presence of cobalt complex with EDMA. *Microporous and Mesoporous Materials*, **2011**, 142, 444-453	5.3	12
89	Indexing, Extraction of Integrated Intensity, and Structure Solution by the Direct Method and Charge Flipping from Power X-Ray Diffraction Data. *Nihon Kessho Gakkaishi*, **2011**, 53, 231-239	0	1
88	Oxidation of Carbon Monoxide with Silver-exchanged Mordenite Containing Cobalt in Framework Sites. *Chemistry Letters*, **2011**, 40, 480-481	1.7	1
87	Intermolecular CH?O hydrogen bonds in formyl-substituted diphenylhexatriene, a [2+2] photoreactive organic solid: Crystal structure and IR, NMR spectroscopic evidence. *Journal of Molecular Structure*, **2011**, 1006, 366-374	3.4	10
86	Ca2+-exchanged ferrierite: Quasi one-dimensional zeolite for highly selective and stable formation of light alkenes in catalytic cracking of n-octane. *Applied Catalysis A: General*, **2011**, 407, 127-133	5.1	7
85	New silica clathrate minerals that are isostructural with natural gas hydrates. *Nature Communications*, **2011**, 2, 196	17.4	47
84	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
83	Fabrication of porous SiC ceramics having pores shaped with Si grain templates. *Journal of the European Ceramic Society*, **2011**, 31, 409-413	6	11
82	Structure Analysis of Si-Atom Pillared Lamellar Silicates Having Micropore Structure by Powder X-ray Diffraction. *Journal of Physical Chemistry C*, **2010**, 114, 3466-3476	3.8	43

81	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
80	Characters of the Tetramethylammonium Ion in ZK-4 Zeolites Depending on Their Si/Al Ratios. *Journal of Physical Chemistry C*, **2010**, 114, 12885-12895	3.8	7
79	Structure Determination of H-LDS: An Acidified Form of the Layered Silicate K-LDS. *Chemistry Letters*, **2010**, 39, 747-749	1.7	5
78	Synthesis and structure analysis of RUB-50, an LEV-type aluminosilicate zeolite. *Microporous and Mesoporous Materials*, **2010**, 128, 150-157	5.3	17
77	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
76	Hydrothermal conversion of FAU zeolite into aluminous MTN zeolite. *Journal of Porous Materials*, **2009**, 16, 465-471	2.4	35
75	Structural conversion of crystalline layered silicate magadiite to microporous material by acetic acid intercalation. *Journal of Porous Materials*, **2009**, 16, 641-649	2.4	8
74	Synthesis of Cs□luminosilicate zeolites and thermal phase transformation from BIK to CAS frameworks. *Microporous and Mesoporous Materials*, **2009**, 117, 551-560	5.3	13
73	An effect of the seed species on the PV performance of the secondary synthesized MER zeolite membranes. *Microporous and Mesoporous Materials*, **2009**, 126, 107-114	5.3	12
72	Preparation of a microporous layered organic-inorganic hybrid nanocomposite using p-aminotrimethoxysilane and a crystalline layered silicate, ilerite. *Journal of Colloid and Interface Science*, **2009**, 331, 417-24	9.3	17
71	Synthesis and crystal structure of layered silicate PLS-3 and PLS-4 as a topotactic zeolite precursor. *Journal of Materials Chemistry*, **2009**, 19, 5518		57
70	Crystal Structure of Tubular Na□TA Zeolite Membrane Used for a Vapor Permeation Process: Unusual Distribution of Adsorbed Water Molecules. *Industrial & Engineering Chemistry Research* , **2009**, 48, 10870-10876	3.9	13
69	Na□i binary phase diagram and solution growth of silicon crystals. *Journal of Alloys and Compounds* , **2009**, 480, 723-726	5.7	74
68	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
67	Quantitative Analysis of Structural Defect in Silicalite by Rietveld Refinements Using X-ray Powder Diffraction and29Si MAS NMR. *Bulletin of the Chemical Society of Japan*, **2009**, 82, 1160-1169	5.1	16
66	Pseudo-micropores formed by one-dimensional framework with hydrogen bonding in CsHSi2O5 observed by synchrotron powder diffraction and solid-state MAS NMR. *New Journal of Chemistry*, **2008**, 32, 2108	3.6	1
65	Solvation dynamics of coumarin 153 in alcohols confined in silica nanochannels. *Journal of Physical Chemistry A*, **2008**, 112, 11535-42	2.8	27
64	Liquid structure of 1-butyl-3-methylimidazolium hexafluorophosphate by neutron diffraction with H/D isotopic substitution method. *Analytical Sciences*, **2008**, 24, 1373-6	1.7	16

63	Strong Interaction at the Palladium/Alumina Interface of Membrane during Hydrogen Permeation at Elevated Temperature. *Chemistry Letters*, **2008**, 37, 1004-1005	1.7	20
62	Preparation and Hydrogen Permeation Properties of Thin Pd-Au Alloy Membranes Supported on Porous α-Alumina Tube. *Materials Transactions*, **2008**, 49, 449-452	1.3	19
61	Synthesis of lamellar mesostructured calcium phosphates using n-alkylamines as structure-directing agents in alcohol/water mixed solvent systems. *Journal of Materials Science*, **2008**, 43, 4198-4207	4.3	20
60	A multi-dimensional microporous silicate that is isomorphous to zeolite MCM-68. *Angewandte Chemie - International Edition*, **2008**, 47, 1042-6	16.4	30
59	Preparation and crystal structure of RUB-18 modified for synthesis of zeolite RWR by topotactic conversion. *Microporous and Mesoporous Materials*, **2008**, 110, 488-500	5.3	45
58	Syntheses and structural properties of four Rb-aluminosilicate zeolites. *Microporous and Mesoporous Materials*, **2008**, 114, 495-506	5.3	11
57	Effective immobilization of subunit protein in mesoporous silica modified with ethanol. *Biotechnology and Bioengineering*, **2007**, 97, 200-5	4.9	27
56	Synthesis and characteristic properties of Rb-mordenite. *Microporous and Mesoporous Materials*, **2007**, 101, 57-65	5.3	13
55	Synthesis of a lamellar mesostructured calcium phosphate using hexadecylamine as a structure-directing agent in the ethanol/water solvent system. *Studies in Surface Science and Catalysis*, **2007**, 165, 253-256	1.8	4
54	A Novel Layered Silicate Having the Intercalated Potassium Cation: Synthesis, Characterizations, and Modification by Acid Treatment. *Chemistry Letters*, **2007**, 36, 1248-1249	1.7	8
53	Dehydration of Concentrated Acetic Acid Solutions by Pervaporation Using Novel MER Zeolite Membranes. *Chemistry Letters*, **2007**, 36, 594-595	1.7	22
52	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
51	Effect of alkali cations on the synthesis of novel layered silicates in the system SiO2□etramethylammonium hydroxide□1,4-dioxane. *Materials Chemistry and Physics*, **2006**, 99, 470-473	4.4	4
50	Synthesis of new microporous layered organic□inorganic hybrid nanocomposites by alkoxysilylation of a crystalline layered silicate, ilerite. *Journal of Materials Chemistry*, **2006**, 16, 4035-4043		53
49	Synthesis and Structure of Novel Zeolite Obtained by Topotactic Condensation Using Nano-precursors. *Shinku/Journal of the Vacuum Society of Japan*, **2006**, 49, 219-224		
48	Synthesis of Gallium-sodalite from a Layered Silicate with a Half Cup-type Sodalite Cage Structure. *Chemistry Letters*, **2006**, 35, 672-673	1.7	7
47	Solubility and Crystallization-controlled Synthesis of Lamellar Mesostructured Calcium Phosphate in the Ethanol/Water System. *Chemistry Letters*, **2006**, 35, 948-949	1.7	10
46	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

45	Silica-based mesoporous materials derived from Ti containing layered polysilicate kanemite. *Microporous and Mesoporous Materials*, **2006**, 95, 146-153	5.3	15
44	Optical and structural studies of CuI clusters in zeolites LTA and FAU. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 1299-1302	3.9	3
43	RMA-3: synthesis and structure of a novel Rb-aluminosilicate zeolite. *Chemical Communications*, **2005**, 2753-5	5.8	8
42	Separation and enrichment of arsenic(V) with composite resin beads containing magnetite crystals. *Analytical Sciences*, **2005**, 21, 433-5	1.7	8
41	Preparation and Characterization of Al-CDS-1 Zeolite. *Journal of the Ceramic Society of Japan*, **2005**, 113, 424-428		6
40	Novel high-silica zeolite CDS-1 converted from layered silicate PLS-1 by dehydration-condensation. *Studies in Surface Science and Catalysis*, **2005**, 223-230	1.8	2
39	Crystal Structure Determination of a Novel Zeolite CDS-1 Using a Layered Silicate as a Topotactic Precursor. *Nihon Kessho Gakkaishi*, **2005**, 47, 216-222	0	
38	Synthesis and characterization of new layered silicates in the system SiO2–NaOH–tetramethylammonium hydroxide–1,4-dioxane. *Materials Chemistry and Physics*, **2004**, 86, 112-122	4.4	7
37	The topotactic conversion of a novel layered silicate into a new framework zeolite. *Angewandte Chemie - International Edition*, **2004**, 43, 4892-6	16.4	160
36	The Topotactic Conversion of a Novel Layered Silicate into a New Framework Zeolite. *Angewandte Chemie*, **2004**, 116, 5000-5004	3.6	17
35	Crystal structure of an open-tunnel oxide –MnO2 analyzed by Rietveld refinements and MEM-based pattern fitting. *Journal of Solid State Chemistry*, **2004**, 177, 1258-1267	3.3	54
34	Crystal Structures of Zeolite Linde Type A Incorporating K Clusters: Dependence on the K Atom Loading Density. *Journal of Physical Chemistry B*, **2004**, 108, 17709-17720	3.4	13
33	Promoting Effect of Cyclic Ethers in the Layered Silicate Synthesis. *Chemistry Letters*, **2003**, 32, 1164-1165	1.7	2
32	Control on arrangement of AgI clusters incorporated into zeolite LTA. *European Physical Journal D*, **2003**, 24, 299-302	1.3	5
31	NMR study of Rb clusters in zeolite LTA. *Physica B: Condensed Matter*, **2003**, 327, 72-78	2.8	6
30	K+ ion distribution in zeolite ZK-4 with various Si/Al ratios and the contribution of K+ ions to K cluster formation. *Microporous and Mesoporous Materials*, **2003**, 57, 249-261	5.3	20
29	High-resolution and high-intensity powder diffractometer at BL15XU in SPring-8. *Journal of Synchrotron Radiation*, **2003**, 10, 424-9	2.4	8
28	Fluorescence Spectra for the Microcrystals and Thin Films oftrans,trans,trans-1,6-Diphenyl-1,3,5-hexatrienes. *Journal of Physical Chemistry B*, **2003**, 107, 3376-3383	3.4	39

27	Synchrotron X-ray and TOF neutron powder diffraction study of a lyonsite-type oxide Co3.6Fe3.6(VO4)6. *Solid State Sciences*, **2002**, 4, 515-522	3.4	10
26	Whitlockite-Related Phosphates Sr9A(PO4)7 (A=Sc, Cr, Fe, Ga, and In): Structure Refinement of Sr9In(PO4)7 with Synchrotron X-Ray Powder Diffraction Data. *Journal of Solid State Chemistry*, **2002** , 168, 237-244	3.3	66
25	Formation of K clusters in K-form zeolite ZK-4's with Si/Al>1. *Solid State Communications*, **2002**, 123, 387-390	1.8	11
24	The modeling of wall structure of siliceous MCM-41 based on the formation process. *Studies in Surface Science and Catalysis*, **2002**, 69-76	1.8	7
23	Structural Changes and Phase Transitions in Whitlockite-Like Phosphates. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2002**, 177, 1899-1902	1	8
22	Strontium phosphates with Ca3(PO4)2-type structures: Sr9NiLi(PO4)7, Sr9.04Ni1.02Na0.88(PO4)7, and Sr9.08Ni1.04K0.76(PO4)7. *Journal of Materials Chemistry*, **2002**, 12, 3803-3808		8
21	Part 1. Prediction of Crystal Structures, Methods and Applications. Analysis of Unknown and Disordered Structures by Utilizing RIETAN-2000.. *Nihon Kessho Gakkaishi*, **2002**, 44, 30-34	0	
20	Insulating phase of potassium clusters arrayed in low-silica-type zeolite FAU. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 229-232	2.8	7
19	MEM-Based Structure-Refinement System REMEDY and its Applications. *Materials Science Forum*, **2001**, 378-381, 59-64	0.4	68
18	Crystal Structure of a Helix Layered Silicate Containing Tetramethylammonium Ions in Sodalite-Like Cages. *Chemistry of Materials*, **2001**, 13, 1286-1295	9.6	49
17	Structural Analysis of Potassium Clusters Stabilized in Regular Cages of Zeolite LTA and their Novel Electronic Properties.. *Nihon Kessho Gakkaishi*, **2001**, 43, 248-256	0	
16	Neutron powder diffraction study of potassium clusters in zeolite K-LTA. *Chemical Physics Letters*, **2000**, 318, 93-101	2.5	24
15	A Rietveld-Analysis Programm RIETAN-98 and its Applications to Zeolites. *Materials Science Forum*, **2000**, 321-324, 198-205	0.4	1540
14	Optical Transitions of Agi and Agbr Clusters in Zeolite Fau. *Molecular Crystals and Liquid Crystals*, **2000**, 341, 441-446		4
13	Arrangement of K Clusters in the K-Doped Zeolite K-LTA. *Molecular Crystals and Liquid Crystals*, **2000**, 341, 447-452		2
12	Disordered Distribution of K+ Ions Interlayered in KxTi2/3Lix/3O4(x = 0.8). *Molecular Crystals and Liquid Crystals*, **2000**, 341, 253-258		7
11	Multi-Purpose Pattern-Fitting System RIETAN-2000 and its Applications to Microporous Mterials.. *Nihon Kessho Gakkaishi*, **2000**, 42, 516-521	0	6
10	High-pressure form of (VO)2P2O7: A spin-12 antiferromagnetic alternating-chain compound with one kind of chain and a single spin gap. *Physical Review B*, **1999**, 60, 10145-10149	3.3	40

9	Structural study of the aluminophosphate AlPO4-5 by neutron powder diffraction. *Journal of Physics and Chemistry of Solids*, **1999**, 60, 1531-1535	3.9	22
8	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
7	Incorporation of AgI clusters into the cages of zeolites LTA and FAU observed by optical spectra and X-ray diffraction patterns. *Chemical Physics Letters*, **1999**, 300, 499-503	2.5	12
6	Optical and X-ray diffraction study of AgI clusters incorporated into zeolite LTA. *European Physical Journal D*, **1999**, 9, 601-604	1.3	13
5	Structural Study of the Quantum-Spin Chain Compound (VO)2P2O7. *Journal of Solid State Chemistry*, **1999**, 146, 369-379	3.3	36
4	Structure Analysis Introducing Partial Profile Relaxation and the Maximum-Entropy Method with Powder Diffraction Data.. *Journal of the Mineralogical Society of Japan*, **1999**, 28, 57-63		
3	Structural Study of Sodium-Type Zeolite LTA by Combination of Rietveld and Maximum-Entropy Methods. *Chemistry of Materials*, **1998**, 10, 3996-4004	9.6	42
2	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
1	Influence of Gas Flow Conditions on Cluster Size Distribution in the Gas Evaporation Method. *Japanese Journal of Applied Physics*, **1997**, 36, 7050-7051	1.4	2