Fujio Izumi

List of Publications by Year in descending order

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Version: 2024-02-01

		172457	128289
65	32,368	29	60
papers	citations	h-index	g-index

69	69	69	31077
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bi4AO6Cl2 (A = Ba, Sr, Ca) with Double and Triple Fluorite Layers for Visible-Light Water Splitting. Inorganic Chemistry, 2021, 60, 15667-15674.	4.0	4
2	Crystal structural, thermal, and mechanical properties of Yb2+Ti2â^'O7â^'/2 solid solutions. Journal of Solid State Chemistry, 2020, 287, 121328.	2.9	4
3	Structure Analysis by Powder Diffraction with the RIETAN-FP-VENUS System and External Programs —1. The RIETAN-FP-VENUS System and Integrated Assistance Environment—. Materia Japan, 2017, 56, 393-396.	0.1	5
4	Disordered Arrangements of Guest Molecules in CO Clathrate Hydrates. Hamon, 2015, 25, 22-25.	0.0	0
5	Encapsulation kinetics and dynamics of carbon monoxide in clathrate hydrate. Nature Communications, 2014, 5, 4128.	12.8	62
6	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.	0.2	238
7	Nuclear and charge density distributions in ferroelectric PbTiO₃: maximum entropy method analysis of neutron and X-ray diffraction data. Powder Diffraction, 2013, 28, 276-280.	0.2	4
8	Analytical method for observed powder diffraction intensity data based on maximum likelihood estimation. Powder Diffraction, 2013, 28, 124-126.	0.2	2
9	Development of Software for MEM Analysis and Three-Dimensional Visualization from Powder Diffraction Data. Hamon, 2013, 23, 66-71.	0.0	0
10	A Next-Generation Three-Dimensional Visualization Program VESTA 3. Nihon Kessho Gakkaishi, 2012, 54, 119-120.	0.0	0
11	Synthesis and Crystal Structure of a Layered Silicate HUS-1 with a Halved Sodalite-Cage Topology. Inorganic Chemistry, 2011, 50, 2294-2301.	4.0	34
12	Dramatic Structural Rearrangements in Porous Coordination Networks. Journal of the American Chemical Society, 2011, 133, 5853-5860.	13.7	84
13	VESTAâ€...3for three-dimensional visualization of crystal, volumetric and morphology data. Journal of Applied Crystallography, 2011, 44, 1272-1276.	4.5	16,580
14	Ab Initio Powder Diffraction Structure Analysis of a Hostâ€“Guest Network: Short Contacts between Tetrathiafulvalene Molecules in a Pore. Angewandte Chemie - International Edition, 2011, 50, 6105-6108.	13.8	36
15	(Fundamentals 4)Analysis of Neutron Diffraction Data by the Rietveld Method and MEM-based Pattern Fitting. Radioisotopes, 2010, 59, 191-200.	0.2	1
16	Analyses of Magnetic Structures and Nuclear-Density Distribution by the Structure-Refinement and Three-Dimensional Visualization Systems RIETAN-FP-VENUS. Journal of the Vacuum Society of Japan, 2010, 53, 706-712.	0.3	3
17	Applications of the three-dimensional visualization system VESTA in mineralogical sciences. Ganseki Kobutsu Kagaku, 2010, 39, 136-145.	0.1	1
18	Solidâ€“liquid interface synthesis of microcrystalline porous coordination networks. Chemical Communications, 2010, 46, 6515.	4.1	35

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19	Powder neutron diffraction of La-apatite under low temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 319-321.	1.6	23
20	Crystal structure and electron density in the apatite-type ionic conductor La9.71(Si5.81Mg0.18)O26.37. Journal of Solid State Chemistry, 2009, 182, 2846-2851.	2.9	35
21	2 Ã— 2 Superstructure in Sodium Cobalt Oxide Superconductors. Chemistry of Materials, 2009, 21, 3693-3700.	6.7	7
22	VESTA: a three-dimensional visualization system for electronic and structural analysis. Journal of Applied Crystallography, 2008, 41, 653-658.	4.5	4,545
23	A Selective Instant Synthesis of a Coordination Network and Its Ab Initio Powder Structure Determination. Angewandte Chemie - International Edition, 2008, 47, 1269-1271.	13.8	65
24	Water-based solâ€“gel synthesis and crystal structure refinement of lanthanum silicate apatite. Solid State Ionics, 2008, 179, 2209-2215.	2.7	27
25	General Synthesis and Structural Evolution of a Layered Family of Ln₈(OH)₂₀Cl₄Â·nH₂O (Ln = Nd, Sm, Eu, Gd, Tb,) Tj ETQq1 0.784314 rgBT	13.1	43
26	Diffusion Path of Oxide Ions in an Apatite-Type Ionic Conductor La_{9.69}(Si_{5.70}Mg_{0.30})O_{26.24}. Chemistry of Materials, 2008, 20, 5203-5208.	6.7	111
27	Ordered and Disordered Aspects of Interlayer Guests in Superconducting Hydrous Sodium Cobalt Oxides. Chemistry of Materials, 2007, 19, 3519-3526.	6.7	5
28	Neutron Powder Diffraction Study on the Crystal and Magnetic Structures of BiCoO3. Chemistry of Materials, 2006, 18, 798-803.	6.7	299
29	Three-Dimensional Visualization of Nuclear Densities by MEM Analysis from Time-of-Flight Neutron Powder Diffraction Data. Bunseki Kagaku, 2006, 55, 391-395.	0.2	7
30	Neutron Powder Diffraction Study of a Phase Transition in La0.68(Ti0.95Al0.05)O3. Journal of the American Ceramic Society, 2006, 89, 3805-3811.	3.8	8
31	In Situ Neutron Diffraction Study on Fast Oxide Ion Conductor LaGaO3-Based Perovskite Compounds. Chemistry of Materials, 2005, 17, 4235-4243.	6.7	45
32	Characterization of Sodium Cobalt Oxides Related to P3-Phase Superconductor. Chemistry of Materials, 2005, 17, 2034-2040.	6.7	30
33	Structural difference between a superconducting sodium cobalt oxide and its related phase. Journal of Solid State Chemistry, 2004, 177, 372-376.	2.9	56
34	Influences of interlayer distance and cobalt oxidation state on superconductivity of NaxCoO2. Physica C: Superconductivity and Its Applications, 2004, 412-414, 14-20.	1.2	12
35	Beyond the ability of Rietveld analysis: MEM-based pattern fitting. Solid State Ionics, 2004, 172, 1-6.	2.7	63
36	Superconductivity of a hydrous sodium cobalt oxide. Physica C: Superconductivity and Its Applications, 2004, 408-410, 165-168.	1.2	1

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37	Chemical composition and crystal structure of superconducting sodium cobalt oxide bilayer-hydrateElectronic supplementary information (ESI) available: Rietveld refinement patterns. See http://www.rsc.org/suppdata/jm/b4/b400181h/. Journal of Materials Chemistry, 2004, 14, 1448.	6.7	117
38	Correlation betweenTcand Lattice Parameters of Novel Superconducting Sodium Co Oxide Hydrate. Journal of the Physical Society of Japan, 2004, 73, 2590-2591.	1.6	15
39	BEYOND THE ABILITY OF RIETVELD ANALYSIS: WHOLE-PATTERN FITTING BASED ON THE MAXIMUM-ENTROPY METHOD. , 2004, , .		0
40	Superconductivity in Two-Dimensional CoO2 Layers.. ChemInform, 2003, 34, no.	0.0	2
41	Superconductivity in two-dimensional CoO2 layers. Nature, 2003, 422, 53-55.	27.8	1,706
42	Update in a Rietveld analysis program for x-ray powder spectro-diffractometry. Powder Diffraction, 2003, 18, 32-35.	0.2	2
43	Development and Applications of the Pioneering Technology of Structure Refinement from Powder Diffraction Data. Journal of the Ceramic Society of Japan, 2003, 111, 617-623.	1.3	12
44	Cation Composition and Oxygen Content Dependence of Crystal Structure and T_c for Tl_{2-x}Ba₂Ca₂Cu_{3+z}O_y. Journal of the Ceramic Society of Japan, 2003, 111, 651-657.	1.3	1
45	Dependence of Tc and the Crystal Structure of Tl2-zBa2Ca1.95Y0.05Cu3Oy Superconducting Oxide on the Tl Content.. Journal of the Ceramic Society of Japan, 2002, 110, 180-185.	1.3	3
46	Strontium phosphates with Î²-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.	6.7	9
47	A Guide to Full Utilization of RIETAN, Information Obtained from Powder Diffraction Data.. Nihon Kessho Gakkaishi, 2002, 44, 311-317.	0.0	1
48	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.	0.0	0
49	A Rietveld-Analysis Programm RIETAN-98 and its Applications to Zeolites. Materials Science Forum, 2000, 321-324, 198-205.	0.3	1,676
50	A Mixed Alkali Metal Titanate with the Lepidocrocite-like Layered Structure. Preparation, Crystal Structure, Protonic Form, and Acidâ˜Base Intercalation Properties. Chemistry of Materials, 1998, 10, 4123-4128.	6.7	214
51	Intercalation of Pyridine in Layered Titanates. Chemistry of Materials, 1996, 8, 777-782.	6.7	80
52	Chapter 7 The rietveld method and its applications to synchrotron X-ray powder data. Analytical Spectroscopy Library, 1996, , 405-452.	0.1	6
53	Preparation and Acid-Base Properties of a Protonated Titanate with the Lepidocrocite-like Layer Structure. Chemistry of Materials, 1995, 7, 1001-1007.	6.7	215
54	Structure Refinements of Orthorhombic (La1-xCax)2CuO4(x=0.05). Journal of the Physical Society of Japan, 1994, 63, 695-699.	1.6	1

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55	Rietveld analysis of the composite crystal in superconducting Bi2+xSr2â^'xCuO6+y. Physica C: Superconductivity and Its Applications, 1992, 201, 137-144.	1.2	34
56	Rietveld analysis of the modulated structure in the superconducting oxideBi2(Sr,Ca)3Cu2O8+x. Physical Review B, 1990, 42, 4228-4239.	3.2	257
57	Neutron and X-Ray Diffraction Studies of a Valence Fluctuating Compound YbInCu4. Journal of the Physical Society of Japan, 1990, 59, 792-795.	1.6	64
58	Identification of the Superconducting Phase in the Bi-Ca-Sr-Cu-O System. Japanese Journal of Applied Physics, 1988, 27, L365-L368.	1.5	179
59	Rietveld Refinement of the Structure of Ba2YCu3O7-xwith Neutron Powder Diffraction Data. Japanese Journal of Applied Physics, 1987, 26, L649-L651.	1.5	265
60	Neutron and X-ray diffraction studies of RBa2Cu3O7â^'x. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1987, 148, 302-304.	0.9	4
61	NEUTRON AND X-RAY DIFFRACTION STUDIES OF RBa2Cu3O7-x. , 1987, , 302-304.		0
62	A software package for the rietveld analysis of X-ray and neutron diffraction patterns.. Nihon Kessho Gakkaishi, 1985, 27, 23-31.	0.0	394
63	Raman spectrum of anatase, TiO2. Journal of Raman Spectroscopy, 1978, 7, 321-324.	2.5	1,959
64	The Polymorphic Crystallization of TiO2under Hydrothermal Conditions. I. The Effect of Phosphate Ions on the Selective Crystallization of Anatase. Bulletin of the Chemical Society of Japan, 1976, 49, 709-712.	3.2	25
65	Three-Dimensional Visualization in Powder Diffraction. Solid State Phenomena, 0, 130, 15-20.	0.3	2,441