

Fujio Izumi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10655881/publications.pdf>

Version: 2024-02-01

65
papers

32,368
citations

172207

29
h-index

128067

60
g-index

69
all docs

69
docs citations

69
times ranked

31077
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi ₄ AO ₆ Cl ₂ (A = Ba, Sr, Ca) with Double and Triple Fluorite Layers for Visible-Light Water Splitting. Inorganic Chemistry, 2021, 60, 15667-15674.	1.9	4
2	Crystal structural, thermal, and mechanical properties of Yb ₂ +Ti ²⁺ O ⁷ /2 solid solutions. Journal of Solid State Chemistry, 2020, 287, 121328.	1.4	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.	5.8	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.	0.4	238
7	Nuclear and charge density distributions in ferroelectric PbTiO ₃ : maximum entropy method analysis of neutron and X-ray diffraction data. Powder Diffraction, 2013, 28, 276-280.	0.4	4
8	Analytical method for observed powder diffraction intensity data based on maximum likelihood estimation. Powder Diffraction, 2013, 28, 124-126.	0.4	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.	1.9	34
12	Dramatic Structural Rearrangements in Porous Coordination Networks. Journal of the American Chemical Society, 2011, 133, 5853-5860.	6.6	84
13	<i>VESTA</i> for three-dimensional visualization of crystal, volumetric and morphology data. Journal of Applied Crystallography, 2011, 44, 1272-1276.	1.9	16,580
14	Ab Initio Powder Diffraction Structure Analysis of a Host-Guest Network: Short Contacts between Tetrathiafulvalene Molecules in a Pore. Angewandte Chemie - International Edition, 2011, 50, 6105-6108.	7.2	36
15	(Fundamentals 4)Analysis of Neutron Diffraction Data by the Rietveld Method and MEM-based Pattern Fitting. Radioisotopes, 2010, 59, 191-200.	0.1	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	Solid-liquid interface synthesis of microcrystalline porous coordination networks. Chemical Communications, 2010, 46, 6515.	2.2	35

#	ARTICLE	IF	CITATIONS
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.	0.7	23
20	Crystal structure and electron density in the apatite-type ionic conductor $\text{La}_{9.71}(\text{Si}_{5.81}\text{Mg}_{0.18})\text{O}_{26.37}$. Journal of Solid State Chemistry, 2009, 182, 2846-2851.	1.4	35
21	$2\text{Å} \times 2$ Superstructure in Sodium Cobalt Oxide Superconductors. Chemistry of Materials, 2009, 21, 3693-3700.	3.2	7
22	<i>VESTA</i> : a three-dimensional visualization system for electronic and structural analysis. Journal of Applied Crystallography, 2008, 41, 653-658.	1.9	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.	7.2	65
24	Water-based sol-gel synthesis and crystal structure refinement of lanthanum silicate apatite. Solid State Ionics, 2008, 179, 2209-2215.	1.3	27
25	General Synthesis and Structural Evolution of a Layered Family of $\text{Ln}_{8}(\text{OH})_{20}\text{Cl}_4 \cdot n\text{H}_2\text{O}$ ($\text{Ln} = \text{Nd, Sm, Eu, Gd, Tb}$). J. Electroanal. Chem. 2008, 614, 1-8.	1.0	14
26	Diffusion Path of Oxide Ions in an Apatite-Type Ionic Conductor $\text{La}_{9.69}(\text{Si}_{5.70}\text{Mg}_{0.30})\text{O}_{26.24}$. Chemistry of Materials, 2008, 20, 5203-5208.	3.2	111
27	Ordered and Disordered Aspects of Interlayer Guests in Superconducting Hydrous Sodium Cobalt Oxides. Chemistry of Materials, 2007, 19, 3519-3526.	3.2	5
28	Neutron Powder Diffraction Study on the Crystal and Magnetic Structures of BiCoO_3 . Chemistry of Materials, 2006, 18, 798-803.	3.2	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.	0.1	7
30	Neutron Powder Diffraction Study of a Phase Transition in $\text{La}_{0.68}(\text{Ti}_{0.95}\text{Al}_{0.05})\text{O}_3$. Journal of the American Ceramic Society, 2006, 89, 3805-3811.	1.9	8
31	In Situ Neutron Diffraction Study on Fast Oxide Ion Conductor LaGaO_3 -Based Perovskite Compounds. Chemistry of Materials, 2005, 17, 4235-4243.	3.2	45
32	Characterization of Sodium Cobalt Oxides Related to P3-Phase Superconductor. Chemistry of Materials, 2005, 17, 2034-2040.	3.2	30
33	Structural difference between a superconducting sodium cobalt oxide and its related phase. Journal of Solid State Chemistry, 2004, 177, 372-376.	1.4	56
34	Influences of interlayer distance and cobalt oxidation state on superconductivity of Na_xCoO_2 . Physica C: Superconductivity and Its Applications, 2004, 412-414, 14-20.	0.6	12
35	Beyond the ability of Rietveld analysis: MEM-based pattern fitting. Solid State Ionics, 2004, 172, 1-6.	1.3	63
36	Superconductivity of a hydrous sodium cobalt oxide. Physica C: Superconductivity and Its Applications, 2004, 408-410, 165-168.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Chemical composition and crystal structure of superconducting sodium cobalt oxide bilayer-hydrate. Electronic 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 between T_c and Lattice Parameters of Novel Superconducting Sodium Co Oxide Hydrate. Journal of the Physical Society of Japan, 2004, 73, 2590-2591.	0.7	15
39	BEYOND THE ABILITY OF RIETVELD ANALYSIS: WHOLE-PATTERN FITTING BASED ON THE MAXIMUM-ENTROPY METHOD. , 2004, , .		0
40	Superconductivity in Two-Dimensional CoO ₂ Layers.. ChemInform, 2003, 34, no.	0.1	2
41	Superconductivity in two-dimensional CoO ₂ layers. Nature, 2003, 422, 53-55.	13.7	1,706
42	Update in a Rietveld analysis program for x-ray powder spectro-diffractometry. Powder Diffraction, 2003, 18, 32-35.	0.4	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_{c0} for $Tl_{2-x}Ba_2Ca_2Cu_{3+z}O_{y+1}$. Journal of the Ceramic Society of Japan, 2003, 111, 651-657.	1.3	1
45	Dependence of T_c and the Crystal Structure of $Tl_{2-z}Ba_2Ca_{1.95}Y_{0.05}Cu_3O_y$ Superconducting Oxide on the Tl Content.. Journal of the Ceramic Society of Japan, 2002, 110, 180-185.	1.3	3
46	Strontium phosphates with \hat{I}^2 -Ca ₃ (PO ₄) ₂ -type structures: Sr ₉ NiLi(PO ₄) ₇ , Sr _{9.04} Ni _{1.02} Na _{0.88} (PO ₄) ₇ , and Sr _{9.08} Ni _{1.04} K _{0.76} (PO ₄) 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 Acid-Base Intercalation Properties. Chemistry of Materials, 1998, 10, 4123-4128.	3.2	214
51	Intercalation of Pyridine in Layered Titanates. Chemistry of Materials, 1996, 8, 777-782.	3.2	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.	3.2	215
54	Structure Refinements of Orthorhombic (La _{1-x} Cax) ₂ CuO ₄ (x=0.05). Journal of the Physical Society of Japan, 1994, 63, 695-699.	0.7	1

#	ARTICLE	IF	CITATIONS
55	Rietveld analysis of the composite crystal in superconducting $\text{Bi}_{2+x}\text{Sr}_{2-x}\text{CuO}_{6+y}$. Physica C: Superconductivity and Its Applications, 1992, 201, 137-144.	0.6	34
56	Rietveld analysis of the modulated structure in the superconducting oxide $\text{Bi}_2(\text{Sr,Ca})_3\text{Cu}_2\text{O}_{8+x}$. Physical Review B, 1990, 42, 4228-4239.	1.1	257
57	Neutron and X-Ray Diffraction Studies of a Valence Fluctuating Compound YbInCu_4 . Journal of the Physical Society of Japan, 1990, 59, 792-795.	0.7	64
58	Identification of the Superconducting Phase in the Bi-Ca-Sr-Cu-O System. Japanese Journal of Applied Physics, 1988, 27, L365-L368.	0.8	179
59	Rietveld Refinement of the Structure of $\text{Ba}_2\text{YCu}_3\text{O}_{7-x}$ with Neutron Powder Diffraction Data. Japanese Journal of Applied Physics, 1987, 26, L649-L651.	0.8	265
60	Neutron and X-ray diffraction studies of $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$. 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 $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$. , 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, TiO_2 . Journal of Raman Spectroscopy, 1978, 7, 321-324.	1.2	1,959
64	The Polymorphic Crystallization of TiO_2 under 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.	2.0	25
65	Three-Dimensional Visualization in Powder Diffraction. Solid State Phenomena, 0, 130, 15-20.	0.3	2,441