

# Fujio Izumi

## List of Publications by Year in descending order

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65  
papers

32,368  
citations

172457

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128289

60  
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69  
all docs

69  
docs citations

69  
times ranked

31077  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>VESTA</i> for three-dimensional visualization of crystal, volumetric and morphology data. Journal of Applied Crystallography, 2011, 44, 1272-1276.	4.5	16,580
2	<i>VESTA</i> : a three-dimensional visualization system for electronic and structural analysis. Journal of Applied Crystallography, 2008, 41, 653-658.	4.5	4,545
3	Three-Dimensional Visualization in Powder Diffraction. Solid State Phenomena, 0, 130, 15-20.	0.3	2,441
4	Raman spectrum of anatase, TiO <sub>2</sub> . Journal of Raman Spectroscopy, 1978, 7, 321-324.	2.5	1,959
5	Superconductivity in two-dimensional CoO <sub>2</sub> layers. Nature, 2003, 422, 53-55.	27.8	1,706
6	A Rietveld-Analysis Programm RIETAN-98 and its Applications to Zeolites. Materials Science Forum, 2000, 321-324, 198-205.	0.3	1,676
7	A software package for the rietveld analysis of X-ray and neutron diffraction patterns.. Nihon Kessho Gakkaishi, 1985, 27, 23-31.	0.0	394
8	Neutron Powder Diffraction Study on the Crystal and Magnetic Structures of BiCoO <sub>3</sub> . Chemistry of Materials, 2006, 18, 798-803.	6.7	299
9	Rietveld Refinement of the Structure of Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7-x</sub> with Neutron Powder Diffraction Data. Japanese Journal of Applied Physics, 1987, 26, L649-L651.	1.5	265
10	Rietveld analysis of the modulated structure in the superconducting oxide Bi <sub>2</sub> (Sr,Ca) <sub>3</sub> Cu <sub>2</sub> O <sub>8+x</sub> . Physical Review B, 1990, 42, 4228-4239.	3.2	257
11	Dynomia, 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
12	General Synthesis and Structural Evolution of a Layered Family of Ln <sub>8</sub> (OH) <sub>20</sub> Cl <sub>4</sub> ·nH <sub>2</sub> O (Ln = Nd, Sm, Eu, Gd, Tb.) Tj ETOP 000 rg BT4 Overlo	0.0	0
13	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
14	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.	6.7	214
15	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
16	Chemical composition and crystal structure of superconducting sodium cobalt oxide bilayer-hydrate Electronic supplementary information (ESI) available: Rietveld refinement patterns. See <a href="http://www.rsc.org/suppdata/jm/b4/b400181h/">http://www.rsc.org/suppdata/jm/b4/b400181h/</a> . Journal of Materials Chemistry, 2004, 14, 1448.	6.7	117
17	Diffusion Path of Oxide Ions in an Apatite-Type Ionic Conductor La <sub>9.69</sub> (Si <sub>5.70</sub> Mg <sub>0.30</sub> )O <sub>26.24</sub> . Chemistry of Materials, 2008, 20, 5203-5208.	6.7	111
18	Dramatic Structural Rearrangements in Porous Coordination Networks. Journal of the American Chemical Society, 2011, 133, 5853-5860.	13.7	84

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19	Intercalation of Pyridine in Layered Titanates. <i>Chemistry of Materials</i> , 1996, 8, 777-782.	6.7	80
20	A Selective Instant Synthesis of a Coordination Network and Its Ab Initio Powder Structure Determination. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1269-1271.	13.8	65
21	Neutron and X-Ray Diffraction Studies of a Valence Fluctuating Compound YbInCu <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , 1990, 59, 792-795.	1.6	64
22	Beyond the ability of Rietveld analysis: MEM-based pattern fitting. <i>Solid State Ionics</i> , 2004, 172, 1-6.	2.7	63
23	Encapsulation kinetics and dynamics of carbon monoxide in clathrate hydrate. <i>Nature Communications</i> , 2014, 5, 4128.	12.8	62
24	Structural difference between a superconducting sodium cobalt oxide and its related phase. <i>Journal of Solid State Chemistry</i> , 2004, 177, 372-376.	2.9	56
25	In Situ Neutron Diffraction Study on Fast Oxide Ion Conductor LaGaO <sub>3</sub> -Based Perovskite Compounds. <i>Chemistry of Materials</i> , 2005, 17, 4235-4243.	6.7	45
26	Ab Initio Powder Diffraction Structure Analysis of a Host-Guest Network: Short Contacts between Tetrathiafulvalene Molecules in a Pore. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6105-6108.	13.8	36
27	Crystal structure and electron density in the apatite-type ionic conductor La <sub>9.71</sub> (Si <sub>5.81</sub> Mg <sub>0.18</sub> )O <sub>26.37</sub> . <i>Journal of Solid State Chemistry</i> , 2009, 182, 2846-2851.	2.9	35
28	Solid-liquid interface synthesis of microcrystalline porous coordination networks. <i>Chemical Communications</i> , 2010, 46, 6515.	4.1	35
29	Rietveld analysis of the composite crystal in superconducting Bi <sub>2+x</sub> Sr <sub>2-<sup>^</sup>x</sub> CuO <sub>6+y</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1992, 201, 137-144.	1.2	34
30	Synthesis and Crystal Structure of a Layered Silicate HUS-1 with a Halved Sodalite-Cage Topology. <i>Inorganic Chemistry</i> , 2011, 50, 2294-2301.	4.0	34
31	Characterization of Sodium Cobalt Oxides Related to P3-Phase Superconductor. <i>Chemistry of Materials</i> , 2005, 17, 2034-2040.	6.7	30
32	Water-based sol-gel synthesis and crystal structure refinement of lanthanum silicate apatite. <i>Solid State Ionics</i> , 2008, 179, 2209-2215.	2.7	27
33	The Polymorphic Crystallization of TiO <sub>2</sub> under Hydrothermal Conditions. I. The Effect of Phosphate Ions on the Selective Crystallization of Anatase. <i>Bulletin of the Chemical Society of Japan</i> , 1976, 49, 709-712.	3.2	25
34	Powder neutron diffraction of La-apatite under low temperature. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 319-321.	1.6	23
35	Correlation between T <sub>c</sub> and Lattice Parameters of Novel Superconducting Sodium Co Oxide Hydrate. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2590-2591.	1.6	15
36	Development and Applications of the Pioneering Technology of Structure Refinement from Powder Diffraction Data. <i>Journal of the Ceramic Society of Japan</i> , 2003, 111, 617-623.	1.3	12

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37	Influences of interlayer distance and cobalt oxidation state on superconductivity of $\text{Na}_x\text{CoO}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , 2004, 412-414, 14-20.	1.2	12
38	Strontium phosphates with $\hat{1}^2\text{-Ca}_3(\text{PO}_4)_2$ -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.	6.7	9
39	Neutron Powder Diffraction Study of a Phase Transition in $\text{La}_{0.68}(\text{Ti}_{0.95}\text{Al}_{0.05})\text{O}_3$ . <i>Journal of the American Ceramic Society</i> , 2006, 89, 3805-3811.	3.8	8
40	Three-Dimensional Visualization of Nuclear Densities by MEM Analysis from Time-of-Flight Neutron Powder Diffraction Data. <i>Bunseki Kagaku</i> , 2006, 55, 391-395.	0.2	7
41	$2\text{ \AA} - 2$ Superstructure in Sodium Cobalt Oxide Superconductors. <i>Chemistry of Materials</i> , 2009, 21, 3693-3700.	6.7	7
42	Chapter 7 The rietveld method and its applications to synchrotron X-ray powder data. <i>Analytical Spectroscopy Library</i> , 1996, , 405-452.	0.1	6
43	Ordered and Disordered Aspects of Interlayer Guests in Superconducting Hydrated Sodium Cobalt Oxides. <i>Chemistry of Materials</i> , 2007, 19, 3519-3526.	6.7	5
44	Structure Analysis by Powder Diffraction with the RIETAN-FP-VENUS System and External Programs &mdash;1. The RIETAN-FP-VENUS System and Integrated Assistance Environment&mdash;. <i>Materia Japan</i> , 2017, 56, 393-396.	0.1	5
45	Neutron and X-ray diffraction studies of $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , 1987, 148, 302-304.	0.9	4
46	Nuclear and charge density distributions in ferroelectric $\text{PbTiO}_3$ : maximum entropy method analysis of neutron and X-ray diffraction data. <i>Powder Diffraction</i> , 2013, 28, 276-280.	0.2	4
47	Crystal structural, thermal, and mechanical properties of $\text{Yb}_{2+\text{Ti}}\text{O}_{7/2}$ solid solutions. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121328.	2.9	4
48	$\text{Bi}_4\text{AO}_6\text{Cl}_2$ (A = Ba, Sr, Ca) with Double and Triple Fluorite Layers for Visible-Light Water Splitting. <i>Inorganic Chemistry</i> , 2021, 60, 15667-15674.	4.0	4
49	Dependence of $T_c$ and the Crystal Structure of $\text{Ti}_{1-z}\text{Ba}_2\text{Ca}_{1.95}\text{Y}_{0.05}\text{Cu}_3\text{O}_y$ Superconducting Oxide on the Ti Content.. <i>Journal of the Ceramic Society of Japan</i> , 2002, 110, 180-185.	1.3	3
50	Analyses of Magnetic Structures and Nuclear-Density Distribution by the Structure-Refinement and Three-Dimensional Visualization Systems RIETAN-FP-VENUS. <i>Journal of the Vacuum Society of Japan</i> , 2010, 53, 706-712.	0.3	3
51	Superconductivity in Two-Dimensional $\text{CoO}_2$ Layers.. <i>ChemInform</i> , 2003, 34, no.	0.0	2
52	Update in a Rietveld analysis program for x-ray powder spectro-diffractometry. <i>Powder Diffraction</i> , 2003, 18, 32-35.	0.2	2
53	Analytical method for observed powder diffraction intensity data based on maximum likelihood estimation. <i>Powder Diffraction</i> , 2013, 28, 124-126.	0.2	2
54	Structure Refinements of Orthorhombic $(\text{La}_{1-x}\text{Ca}_x)_2\text{CuO}_4$ ( $x=0.05$ ). <i>Journal of the Physical Society of Japan</i> , 1994, 63, 695-699.	1.6	1

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55	Cation Composition and Oxygen Content Dependence of Crystal Structure and $T_c$ for $Tl_{2-x}Ba_2Ca_2Cu_{3+z}O_y$ . Journal of the Ceramic Society of Japan, 2003, 111, 651-657.	1.3	1
56	Superconductivity of a hydrous sodium cobalt oxide. Physica C: Superconductivity and Its Applications, 2004, 408-410, 165-168.	1.2	1
57	(Fundamentals 4) Analysis of Neutron Diffraction Data by the Rietveld Method and MEM-based Pattern Fitting. Radioisotopes, 2010, 59, 191-200.	0.2	1
58	Applications of the three-dimensional visualization system VESTA in mineralogical sciences. Ganseki Kobutsu Kagaku, 2010, 39, 136-145.	0.1	1
59	A Guide to Full Utilization of RIETAN, Information Obtained from Powder Diffraction Data.. Nihon Kessho Gakkaishi, 2002, 44, 311-317.	0.0	1
60	A Next-Generation Three-Dimensional Visualization Program VESTA 3. Nihon Kessho Gakkaishi, 2012, 54, 119-120.	0.0	0
61	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
62	BEYOND THE ABILITY OF RIETVELD ANALYSIS: WHOLE-PATTERN FITTING BASED ON THE MAXIMUM-ENTROPY METHOD. , 2004, , .		0
63	Development of Software for MEM Analysis and Three-Dimensional Visualization from Powder Diffraction Data. Hamon, 2013, 23, 66-71.	0.0	0
64	NEUTRON AND X-RAY DIFFRACTION STUDIES OF $RBa_2Cu_3O_{7-x}$ . , 1987, , 302-304.		0
65	Disordered Arrangements of Guest Molecules in CO Clathrate Hydrates. Hamon, 2015, 25, 22-25.	0.0	0