Bryan C Chakoumakos

List of Publications by Year
in descending order

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192 papers	11,901 citations	23567 58 h-index	28297 105 g-index
202 all docs	202 docs citations	202 times ranked	10639 citing authors

#	Article	IF	Citations
1	Quantifying fish otolith mineralogy for trace-element chemistry studies. Scientific Reports, 2022, 12, 2727.	3.3	7
2	Effects of composition and growth parameters on phase formation in multicomponent aluminum garnet crystals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 476-484.	1.1	1
3	PIONEER, a high-resolution single-crystal polarized neutron diffractometer. Review of Scientific Instruments, 2022, 93, .	1.3	7
4	Morphology and composition of Goldeye (Hiodontidae; <scp>Hiodon alosoides</scp>) otoliths. Journal of Morphology, 2021, 282, 511-519.	1.2	3
5	Site Mixing for Engineering Magnetic Topological Insulators. Physical Review X, 2021, 11, .	8.9	50
6	Probing Phase Transitions and Magnetism in Minerals with Neutrons. Elements, 2021, 17, 181-188.	0.5	5
7	Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb2. Nature Communications, 2021, 12, 4062.	12.8	32
8	Influence of ontogenetic development, temperature, and pCO2 on otolith calcium carbonate polymorph composition in sturgeons. Scientific Reports, 2021, 11, 13878.	3.3	18
9	Czochralski growth and characterization of the multicomponent garnet <mml:math		

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19	Intertwined Magnetic and Nematic Orders in Semiconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>KFe</mml:mi></mml:mrow><mml:mrow><mml:mn>0.8</mml:mn> Physical Review Letters, 2019, 122, 087201.	7.8	13
20	Neutron Instruments for Research in Coordination Chemistry. European Journal of Inorganic Chemistry, 2019, 2019, 1065-1089.	2.0	29
21	Excitations in the field-induced quantum spin liquid state of Î±-RuCl3. Npj Quantum Materials, 2018, 3, .	5.2	254
22	Neutron diffraction from aligned stacks of lipid bilayers using the WAND instrument. Journal of Applied Crystallography, 2018, 51, 235-241.	4.5	9
23	Soft antiphase tilt of oxygen octahedra in the hybrid improper multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	27
24	A suite-level review of the neutron single-crystal diffraction instruments at Oak Ridge National Laboratory. Review of Scientific Instruments, 2018, 89, 092802.	1.3	43
25	WAND2â€”A versatile wide angle neutron powder/single crystal diffractometer. Review of Scientific Instruments, 2018, 89, 092801.	1.3	17
26	Sr3Ir2O7F2 : Topochemical conversion of a relativistic Mott state into a spin-orbit driven band insulator. Physical Review B, 2018, 98, .	3.2	3
27	Crystal structure, electronic structure, optical and scintillation properties of self-activated Cs4YbI6. Journal of Luminescence, 2018, 201, 460-465.	3.1	12
28	Discovery of New Compounds and Scintillators of the A₄BX₆ Family: Crystal Structure, Thermal, Optical, and Scintillation Properties. Crystal Growth and Design, 2018, 18, 5220-5230.	3.0	7
29	Zero-dimensional Cs₄EuX₆ (X = Br, I) all-inorganic perovskite single crystals for gamma-ray spectroscopy. Journal of Materials Chemistry C, 2018, 6, 6647-6655.	5.5	66
30	Model-free reconstruction of magnetic correlations in frustrated magnets. IUCrJ, 2018, 5, 410-416.	2.2	17
31	Giant magnetoelectric effects achieved by tuning spin cone symmetry in Y-type hexaferrites. Nature Communications, 2017, 8, 519.	12.8	97
32	2Flux growth and characterization of Ce-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0047.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Nd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml: mathvariant="normal">B</mml:mi></mml:mrow></mml:math> single crystals. Journal of Magnetism and Magnetic Materials, 2017, 434, 1-9.	2.5	36
33	Sturgeon and paddlefish (Acipenseridae) sagittal otoliths are composed of the calcium carbonate polymorphs vaterite and calcite. Journal of Fish Biology, 2017, 90, 549-558.	1.6	33
34	Quaternary Iodide K(Ca,Sr)I₃:Eu²⁺ Singleâ€Crystal Scintillators for Radiation Detection: Crystal Structure, Electronic Structure, and Optical and Scintillation Properties. Advanced Optical Materials, 2016, 4, 1518-1532.	7.3	35
35	Empirically testing vaterite structural models using neutron diffraction and thermal analysis. Scientific Reports, 2016, 6, 36799.	3.3	25
36	Spin-lattice coupling mediated multiferroicity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mm mathvariant="normal">D</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	3.2	15

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37	Low-temperature crystal and magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mn Physical Review B, 2016, 93, .	3.2	21
38	Structural and crystal chemical properties of alkali rare-earth double phosphates. Journal of Alloys and Compounds, 2016, 655, 253-265.	5.5	22
39	Structure symmetry determination and magnetic evolution inSr2Ir1â^'xRhxO4. Physical Review B, 2015, 92, .	3.2	42
40	Insights into the structure of mixed CO₂/CH₄in gas hydrates. American Mineralogist, 2015, 100, 1203-1208.	1.9	31
41	Petalite under pressure: Elastic behavior and phase stability. American Mineralogist, 2015, 100, 714-721.	1.9	8
42	Crystal structure, electronic structure, temperature-dependent optical and scintillation properties of CsCe₂Br₇. Journal of Materials Chemistry C, 2015, 3, 11366-11376.	5.5	14
43	Structural and crystal chemical properties of rare-earth titanate pyrochlores. Journal of Alloys and Compounds, 2014, 605, 63-70.	5.5	90
44	Polymorphism, phase transitions, and thermal expansion of K3Lu(PO4)2. Journal of Alloys and Compounds, 2014, 588, 182-189.	5.5	21
45	Symmetry-lowering lattice distortion at the spin reorientation in MnBi single crystals. Physical Review B, 2014, 90, .	3.2	49
46	Combined X-ray and neutron diffraction Rietveld refinement in iron-substituted nano-hydroxyapatite. Journal of Materials Science, 2013, 48, 3535-3545.	3.7	10
47	Origin of the phase transition in IrTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: Structural modulation and local bonding instability. Physical Review B, 2013, 88, .	3.2	62
48	The IMAGINE instrument: first neutron protein structure and new capabilities for neutron macromolecular crystallography. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2157-2160.	2.5	73
49	H/D isotope effects in brucite at low temperatures. American Mineralogist, 2013, 98, 1-6.	1.9	14
50	Magnetic and crystal structures of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>O</mml A neutron diffraction study. Physical Review B, 2013, 87, .	3.2	17
51	National School on Neutron and X-ray Scattering. Synchrotron Radiation News, 2013, 26, 9-12.	0.8	1
52	The observation of scintillation in a hydrated inorganic compound: CeCl3Â·6H2O. Applied Physics Letters, 2013, 103, 141909.	3.3	4
53	Publisherâ€™s Note: Spin Reorientation inTlFe1.6Se2with Complete Vacancy Ordering [Phys. Rev. Lett.109, 077003 (2012).]. Physical Review Letters, 2012, 109, .	7.8	1
54	Evolution of the nuclear and magnetic structures of TlFe1.6Se2with temperature. Physical Review B, 2012, 85, .	3.2	11

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55	Direct evidence of a zigzag spin-chain structure in the honeycomb lattice: A neutron and x-ray diffraction investigation of single-crystal Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>IrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	3.2	318
56	Neutron Diffraction Study of the Type I Clathrate Ba₈Al_{<i>x</i>}Si_{46â€“<i>x</i>}: Site Occupancies, Cage Volumes, and the Interaction between the Guest and the Host Framework. Inorganic Chemistry, 2012, 51, 1805-1812.	4.0	35
57	New Family of Cerium Halide Based Materials: CeX₃Â·ROH Compounds Containing Planes, Chains, and Tetradecanuclear Rings. Inorganic Chemistry, 2012, 51, 10503-10511.	4.0	6
58	Spin Reorientation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TlFe</mml:mi><mml:mn>1.6</mml:mn></mml:msub><mml:msub><mml:mi>Se</mml:mi><mml Complete Vacancy Ordering. Physical Review Letters, 2012, 109, 077003.	7.8	32
59	New crystal structural families of lanthanide chloride â€“ Alcohol/water complexes. Inorganica Chimica Acta, 2012, 384, 23-28.	2.4	6
60	The existence of memory effect on hydrogen ordering in ice: The effect makes ice attractive. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	16
61	Magnetic properties of bio-synthesized zinc ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2011, 323, 3043-3048.	2.3	46
62	Four-circle single-crystal neutron diffractometer at the High Flux Isotope Reactor. Journal of Applied Crystallography, 2011, 44, 655-658.	4.5	97
63	Unusual phase transitions and magnetoelastic coupling in TlFe1.6Se2single crystals. Physical Review B, 2011, 83, .	3.2	21
64	Publisher's Note: Unusual phase transitions and magnetoelastic coupling in TlFe1.6Se2single crystals [Phys. Rev. B83, 224510 (2011)]. Physical Review B, 2011, 84, .	3.2	0
65	High-pressure neutron diffraction study on Hâ€“D isotope effects in brucite. Physics and Chemistry of Minerals, 2010, 37, 741-749.	0.8	25
66	The high-resolution powder diffractometer at the high flux isotope reactor. Applied Physics A: Materials Science and Processing, 2010, 99, 531-535.	2.3	72
67	A New Scintillator for Fast Neutron Detection: Single-Crystal ${m CeCl}_{3}({m CH}_{3}{m) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.0	8
68	Intercage guest correlations and guest clusters in high-pressure clathrate hydrates. Physical Review B, 2009, 80, .	3.2	8
69	Synthesis and characterization of a new structure of gas hydrate. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6060-6064.	7.1	70
70	Existence of ferroelectric ice on planetsâ€"A neutron diffraction study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 279-281.	1.6	17
71	Rare-earth tri-halides methanol-adduct single-crystal scintillators for gamma ray and neutron detection. Proceedings of SPIE, 2009, , .	0.8	2
72	Cerium Chlorideâˆ'methanol Adduct Crystals, CeCl3(CH3OH)4: Preparation, Crystallography, And Scintillation Properties. Crystal Growth and Design, 2008, 8, 2070-2072.	3.0	19

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73	Single-crystal CeCl3(CH3OH)4: A new metal-organic cerium chloride methanol adduct for scintillator applications. Applied Physics Letters, 2008, 93, .	3.3	11
74	Low temperature transport and structural properties of misch-metal-filled skutterudites. Journal of Applied Physics, 2007, 102, 083702.	2.5	28
75	Skutterudites: Their structural response to filling. Journal of Alloys and Compounds, 2006, 407, 87-93.	5.5	37
76	Direct Experimental Evidence for Atomic Tunneling of Europium in CrystallineEu8Ga16Ge30. Physical Review Letters, 2006, 97, 017401.	7.8	70
77	Existence of Ferroelectric Ice in the Universe. Astrophysical Journal, 2006, 652, L57-L60.	4.5	63
78	Raman spectroscopic studies on structure I and structure IItrimethylene oxide hydrate. Canadian Journal of Physics, 2005, 83, 941-949.	1.1	4
79	Structure and Dynamics of Propylene Oxide and Trimethylene Oxide Clathrate Hydrates. Materials Research Society Symposia Proceedings, 2004, 840, Q2.1.1.	0.1	0
80	A novel germanate, Cu2Fe2Ge4O13, with a four tetrahedra oligomer. Journal of Solid State Chemistry, 2003, 176, 175-179.	2.9	26
81	Evidence for pseudo-gap behavior in defect-doped infinite layer (Ca, Sr)CuO2 thin films. Physica Status Solidi (B): Basic Research, 2003, 236, 143-150.	1.5	0
82	Structure and Thermal Expansivity of Tetrahydrofuran Deuterate Determined by Neutron Powder Diffraction. Journal of Physical Chemistry B, 2003, 107, 6026-6031.	2.6	42
83	Neutron Diffraction Study of Structure I and Structure II Trimethylene Oxide Clathrate Deuterate. Journal of Physical Chemistry B, 2003, 107, 6046-6050.	2.6	30
84	CO2Hydrate:Â Synthesis, Composition, Structure, Dissociation Behavior, and a Comparison to Structure I CH4Hydrate. Journal of Physical Chemistry B, 2003, 107, 5529-5539.	2.6	178
85	A sapphire cell for high-pressure, low-temperature neutron-scattering experiments on gas hydrates. Canadian Journal of Physics, 2003, 81, 381-385.	1.1	17
86	Temperature dependence of polyhedral cage volumes in clathrate hydrates. Canadian Journal of Physics, 2003, 81, 183-189.	1.1	20
87	Neutron powder diffraction studies as a function of temperature of structure II hydrate formed from propane. Canadian Journal of Physics, 2003, 81, 431-438.	1.1	57
88	The amblygonite (LiAlPO₄F)-montebrasite (LiAlPO₄OH) solid solution: A combined powder and single-crystal neutron diffraction and solid-state⁶Li MAS, CP MAS, and REDOR NMR study. American Mineralogist, 2003, 88, 195-210.	1.9	33
89	Structural disorder and magnetism of the semiconducting clathrate Eu8Ga16Ge30. Journal of Alloys and Compounds, 2001, 322, 127-134.	5.5	112
90	Structural, magnetic, thermal, and transport properties ofX8Ga16Ge30(X=Eu,Sr,Ba)single crystals. Physical Review B, 2001, 63, .	3.2	432

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91	When Does a Crystal Conduct Heat Like a Glass?. Materials Research Society Symposia Proceedings, 2001, 691, 1.	0.1	1
92	Temperature-dependent single-crystal neutron diffraction study of natural chondrodite and clinohumites. American Mineralogist, 2001, 86, 981-989.	1.9	28
93	Neutron diffraction study of occupancy and positional order of oxygen ions in phase stabilized cubic bismuth oxides. Solid State Ionics, 2001, 138, 293-304.	2.7	65
94	Effect of temperature and hydrogen concentration on the lattice parameter of beta titanium. Materials Research Bulletin, 2001, 36, 1431-1440.	5.2	86
95	Comparison of crystal structure parameters of natural and synthetic apatites from neutron powder diffraction. Journal of Materials Research, 2001, 16, 2600-2606.	2.6	42
96	Chapter 1 Use of atomic displacement parameters in thermoelectric materials research. Semiconductors and Semimetals, 2001, 70, 1-36.	0.7	56
97	Continuous metal-insulator transition in the pyrochloreCd2Os2O7. Physical Review B, 2001, 63, .	3.2	171
98	Interanionic Oâˆ’Hâ‹…â‹…â‹…O Interactions: The Charge Density Point of View. Angewandte Chemie - International Edition, 2000, 39, 2719-2722.	13.8	67
99	Neutron powder diffraction study of rhombohedral rare-earth aluminates and the rhombohedral to cubic phase transition. Journal of Physics Condensed Matter, 2000, 12, 349-365.	1.8	218
100	Thermoelectric properties of thallium-filled skutterudites. Physical Review B, 2000, 61, 2475-2481.	3.2	287
101	Neutron diffraction and phase evolution of the mechanically alloyed intermetallic compound Î¶-FeZn13. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2000, 31, 2739-2745.	2.2	6
102	Connections between Crystallographic Data and New Thermoelectric Compounds. Materials Research Society Symposia Proceedings, 2000, 626, 711.	0.1	13
103	When does a crystal conduct heat like a glass?. Philosophical Magazine Letters, 2000, 80, 807-812.	1.2	59
104	Structural disorder and thermal conductivity of the semiconducting clathrate Sr8Ga16Ge30. Journal of Alloys and Compounds, 2000, 296, 80-86.	5.5	166
105	Powder neutron diffraction studies of a carbonate fluorapatite. Journal of Materials Research, 2000, 15, 511-517.	2.6	34
106	Thermoelectric and optical properties of the filled skutteruditeYbFe4Sb12. Physical Review B, 2000, 61, 4608-4614.	3.2	85
107	Structural Characterization and Thermal Conductivity of Type-I Tin Clathrates. Chemistry of Materials, 2000, 12, 1947-1953.	6.7	87
108	Ultrasound Studies of Clathrate Thermoelectrics. Materials Research Society Symposia Proceedings, 2000, 626, 1331.	0.1	3

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109	High-temperature phase transitions inSrZrO3. Physical Review B, 1999, 59, 4023-4027.	3.2	240
110	High-temperature phase transitions inSrHfO3. Physical Review B, 1999, 60, 2972-2975.	3.2	141
111	Thermoelectric properties of Tl2SnTe5 and Tl2GeTe5. Applied Physics Letters, 1999, 74, 3794-3796.	3.3	71
112	Weakly(x=0)and randomly(x=0.033)coupled Ising antiferromagnetic planes in(Li1â^'3xFex)NiPO4compounds. Physical Review B, 1999, 60, 1100-1110.	3.2	50
113	Phase transitions in perovskite at elevated temperatures - a powder neutron diffraction study. Journal of Physics Condensed Matter, 1999, 11, 1479-1488.	1.8	259
114	Disparate atomic displacements in skutterudite-type LaFe3CoSb12, a model for thermoelectric behavior. Acta Crystallographica Section B: Structural Science, 1999, 55, 341-347.	1.8	77
115	Synthesis of superparamagnetic MgFe2O4 nanoparticles by coprecipitation. Journal of Magnetism and Magnetic Materials, 1999, 194, 1-7.	2.3	212
116	Atomic Displacement Parameters and the Lattice Thermal Conductivity of Clathrate-like Thermoelectric Compounds. Journal of Solid State Chemistry, 1999, 146, 528-532.	2.9	186
117	Effect of Alloy Composition on the Structure of Zr Based Metal Alloys. Materials Research Society Symposia Proceedings, 1999, 575, 193.	0.1	9
118	Localized vibrational modes in metallic solids. Nature, 1998, 395, 876-878.	27.8	532
119	Structural phase transition of the spinel-type oxide LiMn2O4. Solid State Ionics, 1998, 109, 35-41.	2.7	89
120	Ru3Sn7 with the Ir3Ge7 structure-type. Journal of Alloys and Compounds, 1998, 281, 157-159.	5.5	21
121	Temperature Dependence of Cation Distribution and Oxidation State in Magnetic Mnâ^'Fe Ferrite Nanocrystals. Journal of the American Chemical Society, 1998, 120, 1800-1804.	13.7	266
122	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
123	The effect of Ca substitution on the structure and the Raman active phonons in. Journal of Physics Condensed Matter, 1998, 10, 2515-2524.	1.8	8
124	Thermal expansion of LaAlO3 and (La,Sr)(Al,Ta)O3, substrate materials for superconducting thin-film device applications. Journal of Applied Physics, 1998, 83, 1979-1982.	2.5	161
125	Atomic Displacement Parameters: A Useful Tool in the Search for New Thermoelectric Materials?. Materials Research Society Symposia Proceedings, 1998, 545, 13.	0.1	13
126	Thermoelectric Properties of Two Ternary Tellurides. Materials Research Society Symposia Proceedings, 1998, 545, 391.	0.1	0

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127	Magnetism in BaCoS2. Journal of Applied Physics, 1997, 81, 4620-4622.	2.5	16
128	Low-Temperature Structure and Dynamics of Brucite. Journal of Physical Chemistry B, 1997, 101, 9458-9462.	2.6	46
129	Filled Skutterudite Antimonides: Validation of the Electron-Crystal Phonon-Glass Approach to New Thermoelectric Materials. Materials Research Society Symposia Proceedings, 1997, 478, 199.	0.1	23
130	Novel synthesis process and structure refinements of Li4Mn5O12 for rechargeable lithium batteries. Journal of Power Sources, 1997, 68, 613-617.	7.8	54
131	Filled skutterudite antimonides:â€ƒElectron crystals and phonon glasses. Physical Review B, 1997, 56, 15081-15089.	3.2	787
132	Incommensurate fluctuations in Bi2Sr2CaCu2O8. Journal of Superconductivity and Novel Magnetism, 1997, 10, 389-392.	0.5	6
133	Structure Refinement of Li4Mn5O12with Neutron and X-Ray Powder Diffraction Data. Journal of Solid State Chemistry, 1997, 130, 74-80.	2.9	37
134	Neutron diffraction study of the magnetic structures of CeMn2Ge2 and CeMn2Si2. Journal of Applied Physics, 1996, 79, 5398.	2.5	32
135	Formation and properties of novel artificially layered cuprate superconductors using pulsed-laser deposition. , 1996, , .		2
136	Crystal Chemistry of HgBa2Canâ''1CunO2n+2+Î´(n= 1, 2, 3, 4) Superconductors. Journal of Solid State Chemistry, 1996, 122, 221-230.	2.9	42
137	Structural investigations of several LnVO4 compounds. Inorganica Chimica Acta, 1996, 248, 85-88.	2.4	83
138	Structural disorder and charge transfer in the superconductor (Pb0.5Cu0.5)(Sr0.5La0.5)2CuO5 + Î´. Physica C: Superconductivity and Its Applications, 1996, 269, 115-123.	1.2	5
139	Structural, magnetic, and transport properties ofLa2Cu1â''xLixO4. Physical Review B, 1996, 54, 12014-12017.	3.2	45
140	YBa2Cu3O7â''xstructural systematics for equilibrium cooled samples. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C384-C384.	0.3	0
141	Formation of artificially-Layered Thin-Film Compounds Using Pulsed-Laser Deposition. Materials Research Society Symposia Proceedings, 1995, 388, 57.	0.1	1
142	Epitaxial Growth of Metal Fluoride Thin Films by Pulsed-Laser Deposition. Materials Research Society Symposia Proceedings, 1995, 397, 259.	0.1	1
143	Synthesis, Crystal Structure, and Ionic Conductivity of a Polycrystalline Lithium Phosphorus Oxynitride with the Î³-Li3PO4 Structure. Journal of Solid State Chemistry, 1995, 115, 313-323.	2.9	157
144	Formation and properties of artificially-layered SrCuO2/BaCuO2 superconducting superlattices. Journal of Superconductivity and Novel Magnetism, 1995, 8, 519-522.	0.5	2

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145	Synthesis and neutron powder diffraction study of the superconductor HgBa2Ca2Cu3O8 + Î´ by Tl substitution. Physica C: Superconductivity and Its Applications, 1995, 243, 201-206.	1.2	71
146	Influence of neutron irradiation damage on the equilibrium properties of the polycrystallineBi1.8Pb0.3Sr2Ca2Cu3O10superconductor. Physical Review B, 1995, 51, 8551-8559.	3.2	9
147	Crystal structure systematics from oxide phase diagrams by contouring them with Zoltai's tetrahedral sharing coefficient. Journal of Materials Research, 1995, 10, 1772-1778.	2.6	1
148	Theoretical and Experimental Study of Relaxations inAl3TiandAl3ZrOrdered Phases. Physical Review Letters, 1995, 74, 4955-4958.	7.8	51
149	Hardness and elastic modulus of zircon as a function of heavy-particle irradiation dose:. Radiation Effects and Defects in Solids, 1994, 132, 131-141.	1.2	25
150	Transport and structural properties ofPr1â^'xCaxBa2Cu3O7â^'Î´thin films grown by pulsed-laser deposition. Physical Review B, 1994, 49, 4182-4188.	3.2	43
151	SrCuO2/(Sr,Ca)CuO2superlattice growth by pulsedâ€laser deposition. Applied Physics Letters, 1994, 65, 2869-2871.	3.3	26
152	Crystal Structure Refinements of Zircon-Type MVO4 (M = Sc, Y, Ce, Pr, Nd, Tb, Ho, Er, Tm, Yb, Lu). Journal of Solid State Chemistry, 1994, 109, 197-202.	2.9	300
153	Effects of composition and processing on the superconductivity of La1+zBa2-zCu3Oy. Physica C: Superconductivity and Its Applications, 1994, 231, 80-90.	1.2	46
154	Neutron powder diffraction study of the superconducting quaternary intermetallic compound YNi2B2C. Physica C: Superconductivity and Its Applications, 1994, 227, 143-150.	1.2	42
155	Superconductivity in SrCuO2-BaCuO2 Superlattices: Formation of Artificially Layered Superconducting Materials. Science, 1994, 265, 2074-2077.	12.6	107
156	Magnetic, transport, and structural properties ofFe1â^'xIrxSi. Physical Review B, 1994, 50, 8207-8213.	3.2	133
157	Structural Chemistry of Some Phases in The YC-Ni-B System. Materials Research Society Symposia Proceedings, 1994, 376, 547.	0.1	1
158	Ionic Conductivities of Lithium Phosphorus Oxynitride Glasses, Polycrystals and Thin Films. Materials Research Society Symposia Proceedings, 1994, 369, 445.	0.1	1
159	Refinement of the Structures of the Layer Silicates MCuSi4O10 (M = Ca, Sr, Ba) by Rietveld Analysis of Neutron Powder Diffraction Data. Journal of Solid State Chemistry, 1993, 103, 105-113.	2.9	46
160	Anomalous transport and structural properties of Sr1â^'xCuO2â^'Î´ thin films. Physica C: Superconductivity and Its Applications, 1993, 217, 146-150.	1.2	30
161	Vortex fluctuations, magnetic penetration depth, andHc2in Hg- and Tl-based high-Tcsuperconductors. Physical Review B, 1993, 48, 14031-14034.	3.2	61
162	Growth mechanisms and superconductivity of ultrathin Y1Ba2Cu3O7â^'xepitaxial films on (001) MgO substrates. Applied Physics Letters, 1993, 62, 3363-3365.	3.3	19

#	Article	IF	Citations
163	Epitaxial growth of singleâ€crystal Ca1â^'xSrxCuO2thin films by pulsedâ€laser deposition. Applied Physics Letters, 1993, 62, 1679-1681.	3.3	61
164	Epitaxial growth of Ba1â^'xKxBiO3thin films by pulsedâ€laser deposition. Applied Physics Letters, 1993, 62, 414-416.	3.3	14
165	Insitugrowth of epitaxial Bi2Sr2CaCu2O8â^'xand Bi2Sr2CuO6â^'xfilms by pulsed laser ablation. Applied Physics Letters, 1993, 63, 409-411.	3.3	32
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