

Omar Chmaissem

List of Publications by Year in descending order

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148
papers

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76326

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Order-Disorder Transitions in $\text{Ca}_x\text{Mn}_{1-x}\text{O}$ Review Letters, 2022, 128, 095701.	7.0	7
2	Multiple magnetic orders in $\text{LaFeAs}_{1-x}\text{P}_x\text{O}$ uncover universality of iron-pnictide superconductors. Communications Physics, 2022, 5, . Synthesis and characterization of bulk	5.3	5
3	$\text{Nd}_{1-x}\text{O}_2$ and $\text{Nd}_{2-x}\text{O}_3$ Physical Review Materials, 2020, 4, .	2.4	87
4	High pO ₂ Floating Zone Crystal Growth of the Perovskite Nickelate PrNiO_3 . Crystals, 2019, 9, 324.	2.2	15
5	Reversible oxygen intercalation in hexagonal $\text{Y}_{0.7}\text{Tb}_{0.3}\text{MnO}_{3+\hat{\Gamma}}$: toward oxygen production by temperature-swing absorption in air. Journal of Materials Chemistry A, Tunable multiferroic order parameters in	10.3	19
6	$\text{Sr}_r\text{Ba}_{1-r}\text{Mn}_2\text{TiO}_6$ and $\text{Sr}_a\text{Ba}_{1-a}\text{Mn}_2\text{TiO}_6$	2.4	5
7	Tunable multiferroic order parameters in Sr- Ba Mn- Ti O. Physical Review Materials, 2019, 3, .	2.4	0
8	Widespread orthorhombic fluctuations in the family of superconductors. Physical Review B, 2018, 98, .	5.0	15
9	The relation of local order to material properties in relaxor ferroelectrics. Nature Materials, 2018, 17, 718-724. Strain-induced tetragonal distortions and multiferroic properties in polycrystalline	27.5	113
10	$\text{Sr}_r\text{Ba}_{1-r}\text{Mn}_2\text{TiO}_6$ and $\text{Sr}_a\text{Ba}_{1-a}\text{Mn}_2\text{TiO}_6$	2.4	7
11	Observation of nonmagnetic local moments in CaMnO_3 Physical Review Local Orthorhombicity in the Magnetic	3.2	25
12	Phase of the Hole-Doped Iron-Arsenide Superconductor Physical Review Letters	7.8	28
13			

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19	Tetragonal magnetic phase in KxFe_2O_7 x-ray and neutron diffraction. <i>Physical Review B</i> , 2015, 92, .	3.2	52
20	Characterization of Oxygen Storage and Structural Properties of Oxygen-Loaded Hexagonal $\text{MnO}_{3+\delta}$ ($\delta = \text{Ho, Er, and Y}$). <i>Chemistry of Materials</i> , 2015, 27, 6259-6267.	6.7	33
21	High- T_c Superconducting Cuprates, $(\text{Ce,Y})\text{O}_{2s-2}\text{Sr}_2(\text{Cu}_{2.75}\text{Mo}_{0.25})\text{O}_{6+\delta}$; T_c -increase with apical Cu-O decrease at constant Cu-O planar distance. <i>Journal of Physics: Conference Series</i> , 2014, 507, 012031.	0.4	2
22	Neutron scattering studies of the ferroelectric distortion and spin dynamics in the type-1 multiferroic perovskite Sr_2MnO_7 . <i>Physical Review B</i> , 2014, 90, .	3.2	25
23	Coincident structural and magnetic order in BaFe_2O_7 by high-resolution neu. <i>Physical Review B</i> , 2014, 90, .	3.2	34
24	Symmetry of reentrant tetragonal phase in BaCu_2O_7 Magnetic versus orbital ordering mechanism. <i>Physical Review B</i> , 2014, 90, .	3.2	28
25	RHEED study on continuously repeated step flow and layer-by-layer growth modes in $\text{SrRuO}_3/\text{SrMnO}_3$ superlattice. <i>Current Applied Physics</i> , 2014, 14, 378-382.	2.4	1
26	Interrelatedness of Fe composition on structural and magnetic properties in Fe-doped SrRuO_3 thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 913-917.	2.3	4
27	Characterization of magnetic properties of Sr_2CuWO_6 . <i>Physical Review B</i> , 2014, 90, .	3.2	35
28	Magnetically driven suppression of nematic order in an iron-based superconductor. <i>Nature Communications</i> , 2014, 5, 3845.	12.8	146
29	Magnetic structure of Sr_2CuWO_6 . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 496001.	1.8	26
30	Structural, magnetic, and oxygen storage properties of hexagonal $\text{Dy}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Journal of Solid State Chemistry</i> , 2014, 217, 127-135.	2.9	32
31	Pressure-induced volume collapse and structural phase transitions in SrRuO_3 . <i>Journal of Solid State Chemistry</i> , 2013, 205, 177-182.	2.9	11
32	Oxygen Stoichiometry in the Geometrically Frustrated Kagomé System $\text{YBaCo}_4\text{O}_{7+\delta}$: Impact on Phase Behavior and Magnetism. <i>Chemistry of Materials</i> , 2013, 25, 4188-4196.	6.7	16
33	Combinatorial Composition Films and Dielectric Properties of $\text{Ba}_x\text{Sr}_{1-x}\text{TiO}_3$ Grown on Si using PLD Process. <i>International Journal of Applied Ceramic Technology</i> , 2013, 10, E159.	2.1	2
34	Overdoped cuprates with high-temperature superconducting transitions. <i>APL Materials</i> , 2013, 1, .	5.1	11
35	Structural, magnetic, and superconducting properties of $\text{BaNaCu}_3\text{O}_{7-x}$ Phase diagram of $\text{BaNaCu}_3\text{O}_{7-x}$	3.2	62
36	Overdoped cuprates with high-temperature superconducting transitions. <i>APL Materials</i> , 2013, 1, .	3.2	157

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37	<p>ment of the Curie temperature in NdBaCo₂O_{5.5} by</p> <p>Soft x-ray absorption spectroscopy study of Mo-rich SrMn_{1-x}Co_xO₆</p> <p>Magnetoelastic coupling in the phase diagram of Ba_{1-x}Bi_xCoO₆</p>	3.2	10
38	Comparison of magnetic and thermoelectric properties of (Nd,Ca)BaCo ₂ O _{5.5} and (Nd,Ca)CoO ₃ . Journal of Applied Physics, 2012, 111, 07D727.	2.5	13
39	Kinetic control of structural and magnetic states in LuBaCo ₄ O ₇ . Physical Review B, 2012, 85, .	3.2	11
40	Structural and physical properties of Re substituted B-site ordered and disordered SrCo _{1-x} Re _x O ₃ (x=0.1, 0.25, 0.5). Journal of Solid State Chemistry, 2012, 186, 240-246.	2.9	6
41	Parameters controlling magnetic interactions in perovskite manganites. Journal of Physics: Conference Series, 2011, 303, 012057.	0.4	9
42	Synthesis and oxygen content dependent properties of hexagonal DyMnO ₃ + δ . Journal of Solid State Chemistry, 2011, 184, 2306-2314.	2.9	25
43	Soft x-ray absorption spectroscopy study of Mo-rich SrMn _{1-x} Co _x O ₆	3.2	10
44	Magnetoelastic coupling in the phase diagram of Ba _{1-x} Bi _x CoO ₆	3.2	10
45	Competing magnetic ground states in the A-site layer-ordered manganite La _{1-x} Ba _{1+x} Mn ₂ O ₆ . Physical Review B, 2010, 81, .	3.2	0
46	Superconductivity and oxygen ordering correlations in the homologous series of		

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55	Ferromagnetic Mn moments at SrRuO ₃ /SrMnO ₃ interfaces. Applied Physics Letters, 2007, 91, .	3.3	19
56	Structural, transport, and magnetic properties of the cation-ordered cobalt perovskite $\text{Ho}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Mn}_y\text{O}_3$. Physical Review B, 2007, 76, .		
57	Crystal structures, charge and oxygen-vacancy ordering in oxygen deficient perovskites SrMnO _x (x<2.7). Journal of Solid State Chemistry, 2007, 180, 1698-1707.	2.9	41
58	Novel Properties of Atomically Arranged Perovskites. Acta Physica Polonica A, 2007, 111, 15-25.	0.5	3
59	Effects of internal structural parameters on the properties of Ba-substituted La _{0.5} Sr _{0.5} MnO ₃ . Physical Review B, 2006, 74, .	3.2	13
60	Magnetic properties of substituted SrRuO ₃ . Physica Status Solidi (B): Basic Research, 2006, 243, 13-20.	1.5	9
61	Iron substituted SrRuO ₃ thin films. Materials Research Society Symposia Proceedings, 2006, 962, 1.	0.1	0
62	Increase of critical currents and peak effect in Mo-substituted YBa ₂ Cu ₃ O ₇ . Physical Review B, 2006, 73, .	3.2	13
63	Tuning of magnetic and electronic states by control of oxygen content in lanthanum strontium cobaltites. Physical Review B, 2006, 73, .	3.2	21
64	Effect of crystalline quality and substitution on magnetic anisotropy of SrRuO ₃ thin films. Journal of Applied Physics, 2006, 99, 08F501.	2.5	29
65	Characterization of Large Area PLD Grown Combinatorial Compositions of Barium Strontium Titanium Oxides. , 2006, , .		1
66	Diverse effects of two-dimensional and step flow growth mode induced microstructures on the magnetic anisotropies of SrRuO ₃ thin films. Applied Physics Letters, 2006, 89, 124104.	3.3	19
67	Modeling of Magnetic Anisotropy of SrRuO ₃ Thin Films Using Tensors. , 2006, , .		0
68	Structural, transport, and magnetic properties of RMnO ₃ perovskites (R=La, Pr, Nd, Sm, 153Eu, Dy). Journal of Solid State Chemistry, 2005, 178, 629-637.	2.9	128
69	Synthesis, structure, and magnetic properties of SrMn _{1-x} Ga _x O ₃ (x=0-0.5) perovskites. Journal of Solid State Chemistry, 2005, 178, 3453-3460.	2.9	3
70	Effects of Ru vacancies and oxygen synthesis pressures on the formation of nanodomain structures in SrRuO ₃ thin films. Materials Research Society Symposia Proceedings, 2005, 875, 1.	0.1	1
71	Contribution of oxygen partial pressures investigated over a wide range to SrRuO ₃ thin-film properties in laser deposition processing. Journal of Applied Physics, 2005, 97, 103525.	2.5	40
72	Effects of A-site ordering on the structures and properties of La _{1-x} Ba _x MnO ₃ (x=1/4, 0.5). Physical Review B, 2005, 72, .	3.2	25

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73	Freezing of octahedral tilts below the Curie temperature in $\text{SrRu}_{1-x}\text{VO}_3$ perovskites. <i>Physical Review B</i> , 2005, 71, .	3.2	31
74	Nuclear and magnetic structural properties of $\text{Ba}_2\text{FeMoO}_6$. <i>Physical Review B</i> , 2005, 71, .	3.2	26
75	Increase of ferromagnetic ordering temperature by the minority-band double-exchange interaction in $\text{SrRu}_{1-x}\text{Cr}_x\text{O}_3$. <i>Physical Review B</i> , 2005, 72, .	3.2	49
76	Reduced ferromagnetic transition temperatures in $\text{SrRu}_{1-x}\text{VO}_3$ perovskites from Ru-site vacancies. <i>Physical Review B</i> , 2004, 70, .	3.2	89
77	Synthesis, structure, and properties of randomly mixed and layer-ordered $\text{SrMn}_{1-x}\text{GaxO}_3$ perovskites. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1456-1470.	2.9	12
78	Design Rules for Manganites with Novel Magnetic and Electronic Properties. <i>Acta Physica Polonica A</i> , 2004, 105, 45-56.	0.5	7
79	Tolerance factor rules for $\text{Sr}_{1-x}\text{Ca}_x\text{Ba}_y\text{MnO}_3$ perovskites. <i>Journal of Solid State Chemistry</i> , 2003, 170, 154-164.	2.9	92
80	Correlation of magnetic transition temperatures to disorder for atomically arranged perovskites. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 387, 266-271.	1.2	5
81	Structural and magnetic phase diagrams of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ and $\text{Pr}_{1-y}\text{Sr}_y\text{MnO}_3$. <i>Physical Review B</i> , 2003, 67, .	3.2	239
82	Magnetic phase diagram of cubic perovskites $\text{SrMn}_{1-x}\text{FexO}_3$. <i>Physical Review B</i> , 2003, 67, .	3.2	39
83	Decrease of Ferromagnetic Transition Temperature in Nonstoichiometric $\text{SrRu}_{1-x}\text{VO}_3$ Perovskites. <i>Lecture Notes in Physics</i> , 2002, , 303-311.	0.7	0
84	Universal Phase Diagrams and d^0 -High Temperature Superconductors: $\text{HgBa}_2\text{CuO}_4$. , 2002, , 331-339.		0
85	Increase of Magnetic Transition Temperatures by Reduction of Local Disorder for Perovskite Manganites. <i>Materials Research Society Symposia Proceedings</i> , 2002, 718, 1.	0.1	10
86	Relationship between structural parameters and the $N\ddot{e}el$ temperature in $\text{Sr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($0 < x < 1$) and $\text{Sr}_{1-y}\text{Ba}_y\text{MnO}_3$ ($y < 0.2$). <i>Physical Review B</i> , 2001, 64, .	3.2	225
87	First-order antiferromagnetic and structural transition in Sr-rich $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Journal of Applied Physics</i> , 2001, 89, 7407-7409.	2.5	6
88	Magnetic ordering in the superconducting weak ferromagnets $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ and $\text{RuSr}_2\text{EuCu}_2\text{O}_8$. <i>Physical Review B</i> , 2001, 63, .	3.2	142
89	Structure and a bond-valence-sum study of the 1-2-3 superconductors $(\text{Ca}_x\text{La}_{1-x})(\text{Ba}_{1.75-x}\text{La}_{0.25+x})\text{Cu}_3\text{O}_y$ and $\text{YBa}_2\text{Cu}_3\text{O}_y$. <i>Physical Review B</i> , 2001, 63, .	3.2	34
90	Spectacular Magneto-Related Properties of Complex Oxides. , 2001, , 205-221.		1

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91	Structural and superconducting properties of $\text{HgBa}_2\text{CuO}_{4+\delta}$ over an extended doping range: nonparabolic doping behavior. , 2000, , .		0
92	Neutron Diffraction Study of the Structural Distortions in $\text{Sr}_3\text{Ru}_2\text{O}_7$. Journal of Solid State Chemistry, 2000, 154, 361-367.	2.9	100
93	Phase separation and magnetic ordering studied by high-resolution neutron diffraction. Physica B: Condensed Matter, 2000, 276-278, 604-605.	2.7	1
94	Improved pinning properties in Y123 materials by chemical substitutions. Physica B: Condensed Matter, 2000, 284-288, 889-890.	2.7	0
95	Reaction of $\text{YBa}_2\text{Cu}_3\text{O}_6$ with Br_2 : oxidation and formation of nanoscale $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physica C: Superconductivity and Its Applications, 2000, 333, 1-12.	1.2	4
96	Magnetic and superconducting properties of $\text{RuSr}_2\text{GdCu}_2\text{O}_8$; the effect of synthesis. Physica C: Superconductivity and Its Applications, 2000, 341-348, 455-456.	1.2	28
97	Temperature and pressure effects on the crystal structure of $\text{Sr}_3\text{Ru}_2\text{O}_7$: Evidence for electronically driven structural responses. Physical Review B, 2000, 62, 8725-8730.	3.2	44
98	Increase of the superconducting T_c , irreversibility fields, and critical currents in tetragonal $\text{YBaSrCu}_3\text{O}_{7+d}$. Physical Review B, 2000, 63, .	3.2	13
99	Effect of oxygen stoichiometry on properties of $\text{La}_{0.815}\text{Sr}_{0.185}\text{MnO}_3+d$. Journal of Applied Physics, 2000, 87, 5031-5033.	2.5	15
100	Crystal and magnetic structure of ferromagnetic superconducting $\text{RuSr}_2\text{GdCu}_2\text{O}_8$. Physical Review B, 2000, 61, 6401-6407.	3.2	221
101	Structural phase transition and the electronic and magnetic properties of $\text{Sr}_2\text{FeMoO}_6$. Physical Review B, 2000, 62, 14197-14206.	3.2	227
102	Improved Y-123 Materials by Chemical Substitutions. Lecture Notes in Physics, 2000, , 30-44.	0.7	0
103	Correlation between coherent Jahn-Teller distortion and magnetic spin orientation in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 1999, 60, 10186-10192.	3.2	33
104	Relaxation effects in the transition temperature of superconducting $\text{HgBa}_2\text{CuO}_{4+\delta}$. Physical Review B, 1999, 60, 9827-9835.	3.2	14
105	Scaling of transition temperature and CuO_2 plane buckling in a high-temperature superconductor. Nature, 1999, 397, 45-48.	27.8	109
106	Oxygen Content and Structures of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3+d$ as a Function of Synthesis Conditions. Journal of Solid State Chemistry, 1999, 146, 448-457.	2.9	75
107	Structure-properties phase diagram for $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.1 < x < 0.2$). Physical Review B, 1999, 60, 7006-7017.	3.2	190
108	Novel Structural Phenomena at the Maximum T_c in 123 and $\text{HgBa}_2\text{CuO}_{4+\delta}$ Superconductors: Evidence for a Structural Response that Competes with Superconductivity. , 1999, , 109-116.		1

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109	Pressure effect on the magnetic and crystallographic structures in the $U(Ni_{1-x}Cu_x)_2Ge_2$ system. <i>Journal of Alloys and Compounds</i> , 1998, 271-273, 378-381.	5.5	4
110	Thermal expansion and compressibility of Sr_2RuO_4 . <i>Physical Review B</i> , 1998, 57, 5067-5070.	3.2	47
111	Sign Reversal of the Mn-O Bond Compressibility in $La_{1.2}Sr_{1.8}Mn_2O_7$ below T_C : Exchange Striction in the Ferromagnetic State. <i>Physical Review Letters</i> , 1997, 78, 1568-1571.	7.8	134
112	Structure and Thermal Expansion of LiV_2O_4 : Correlation between Structure and Heavy Fermion Behavior. <i>Physical Review Letters</i> , 1997, 79, 4866-4869.	7.8	60
113	LiV_2O_4 : A Heavy Fermion Transition Metal Oxide. <i>Physical Review Letters</i> , 1997, 78, 3729-3732.	7.8	453
114	Evidence for two competing defects in $HgBa_2CuO_{4+\delta}$. <i>Physica B: Condensed Matter</i> , 1997, 241-243, 805-807.	2.7	7
115	Multiple defects in overdoped $Tl_2Ba_2CuO_{6+\delta}$: effects on structure and superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 277, 170-182.	1.2	35
116	Structure and superconductivity in Cr-substituted $HgBa_2CuO_{4+\delta}$. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 279, 1-10.	1.2	16
117	Defects that control the properties of Tl- and Hg-based superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 97-100.	1.2	28
118	Effect of Re substitution on the defect structure, and superconducting properties of $(Hg_{1-x}Re_x)Ba_2Ca_{n-1}Cu_nO_{2n+2+\delta}$ ($n = 2, 3, 4$). <i>Physica C: Superconductivity and Its Applications</i> , 1997, 292, 305-314.	1.2	40
119	Chemical doping and improved flux pinning in Hg-based superconductors. <i>Journal of Low Temperature Physics</i> , 1996, 105, 1359-1365.	1.4	46
120	Crystal structures of Hg-Sr-Ca-Cu-O superconductors with enhanced flux pinning: $Hg_{1-x}Re_xSr_2Ca_{n-1}Cu_nO_{2n+2+\delta}$ ($n=2, 3, 4$; $x=0.2$). <i>Physical Review B</i> , 1996, 53, 14647-14655.	3.2	81
121	Structural features that optimize high temperature superconductivity. , 1996, , 1-15.		13
122	Structure modification to increase flux pinning in $Hg_{1-x}Ba_xCa_yCu_1O$ superconductors. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1996, 52, C381-C381.	0.3	0
123	A new (Hg, V)-based 1212-type cuprate $(Hg, V) Sr_2(Y, Ca) Cu_2O_z$ with $T_c(\text{onset})$ up to 110 K. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1995, 99, 179-184.	1.1	13
124	New 1212-type (Hg, Cr)-based cuprate $(Hg_{1-x}Cr_x)Sr_2(Ca_{1-y}Y_y)Cu_2O_{6+\delta}$. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 242, 23-29.	1.2	32
125	Synthesis and study of (Hg,Cr)-based 1201-type superconducting cuprate $(Hg,Cr)Sr_2CuO_{4+\delta}$. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 242, 17-22.	1.2	28
126	Enhancement of T_c onset in $(Ga,Hg)Sr_2(Y,Ca)Cu_2O_7$ by Hg doping. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 242, 228-232.	1.2	4

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127	Crystal structure and Tc of 1212-type cuprate (Tl,Cr)Sr ₂ (Ca,Tl)Cu ₂ O ₇ . Physica C: Superconductivity and Its Applications, 1995, 248, 42-48.	1.2	35
128	Electrical properties and crystal structure of (Hg, Pb) Sr ₂ (Ca, Y)Cu ₂ O _{6+δ} . Physica C: Superconductivity and Its Applications, 1995, 247, 125-132.	1.2	6
129	A new (Hg, V)-based 1212-type cuprate (Hg, V) Sr ₂ (Y, Ca) Cu ₂ O _z with Tc(onset) up to 110 K. Zeitschrift für Physik B-Condensed Matter, 1995, 99, 179-184.	1.1	0
130	Structural aspects of pressure-dependent hole ordering in La _{1-67M} 0.33NiO ₄ (M=Ca,Sr,orBa). Physical Review B, 1995, 52, 1347-1351.	3.2	26
131	Chromium clustering and ordering in Hg _{1-x} Cr _x Sr ₂ CuO _{4+δ} . Physical Review B, 1995, 52, 15636-15643.	3.2	54
132	Neutron Powder Diffraction Study of the Crystal Structures of Sr ₂ RuO ₄ and Sr ₂ IrO ₄ at Room Temperature and at 10 K. Journal of Solid State Chemistry, 1994, 112, 355-361.	2.9	199
133	Synthesis and characterization of (Hg, Bi)-based 1212-type cuprate superconductor (Hg _{0.67} Bi _{0.33})Sr ₂ (Y _{0.67} Ca _{0.33})Cu ₂ O _{6+δ} (δ=0.68). Physica C: Superconductivity and Its Applications, 1994, 228, 190-194.	1.2	13
134	Neutron powder diffraction study of the crystal structure of HgBa ₂ Ca ₄ Cu ₅ O _{12+δ} at room temperature and at 10 K. Physica C: Superconductivity and Its Applications, 1994, 227, 1-9.	1.2	77
135	Synthesis and characterization of HgBa ₂ Ca _{n-1} Cu _n O _{2n+2+δ} (n = 1, 2, and 3). Physica C: Superconductivity and Its Applications, 1994, 230, 231-238.	1.2	39
136	Pressure effects, anisotropic transport properties and irreversibility line of Pb ₂ Sr ₂ Y _{1-x} CaxCu ₃ O ₈ crystals. Solid State Communications, 1993, 85, 579-583.	1.9	3
137	Synthesis and neutron powder diffraction study of the superconductor HgBa ₂ CaCu ₂ O _{6+δ} before and after heat treatment. Physica C: Superconductivity and Its Applications, 1993, 218, 348-355.	1.2	87
138	Synthesis and structural characterization of the 127 K HgBa ₂ CaCu ₂ O _{6.22} superconductor. Physica C: Superconductivity and Its Applications, 1993, 217, 253-264.	1.2	97
139	Neutron powder diffraction study at room temperature and at 10 K of the crystal structure of the 133 K superconductor HgBa ₂ Ca ₂ Cu ₃ O _{8+δ} . Physica C: Superconductivity and Its Applications, 1993, 217, 265-272.	1.2	123
140	Neutron powder diffraction study of the crystal structures of HgBa ₂ CuO _{4+δ} and HgBaO ₂ . Physica C: Superconductivity and Its Applications, 1993, 212, 259-265.	1.2	124
141	Superconductivity above 120 K in HgBa ₂ CaCu ₂ O _{6+δ} . Physica C: Superconductivity and Its Applications, 1993, 212, 266-270.	1.2	248
142	Superconductivity at 94 K in HgBa ₂ CuO _{4+δ} . Nature, 1993, 362, 226-228.	27.8	1,062
143	Structural analysis of the charge transfer mechanism in the superconducting compounds Pb ₂ Sr ₂ Y _{1-x} CaxCu ₃ O _{8+δ} . Journal of Alloys and Compounds, 1993, 195, 169-172.	5.5	3
144	The crystal structure of Pb ₂ Sr ₂ YCu ₃ O _{8+δ} with δ=1.32, 1.46, 1.61, 1.71, by powder neutron diffraction. Physica C: Superconductivity and Its Applications, 1992, 199, 365-374.	1.2	17

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145	The structure of superconducting $Pb_2Sr_2Y_{0.73}Ca_{0.27}Cu_3O_8$ by single-crystal neutron diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 175, 293-300.	1.2	27
146	The structure of superconducting $Pb_2Sr_2Y_{1-x}Ca_xCu_3O_8$ by single crystal neutron diffraction data. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 635-636.	1.2	3
147	Preparation and characterization of 80 K superconducting $Pb_2Sr_2Y_{1-x}Ca_xCu_3O_{8+\delta}$, single crystals. <i>Journal of the Less Common Metals</i> , 1990, 164-165, 808-815.	0.8	9
148	Structural changes and oxygen stoichiometry in $Pb_2Sr_2Y_{1-x}Ca_xCu_3O_{8+\delta}$. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 53-54.	1.2	14