

J Gopalakrishnan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

10,256
citations

48
h-index

97
g-index

231
ext. papers

10,686
ext. citations

6.1
avg, IF

5.48
L-index

#	Paper	IF	Citations
196	Electronic structure of Fe and magnetism in the 3d/5d double perovskites Ca ₂ FeReO ₆ and Ba ₂ FeReO ₆ . <i>Physical Review B</i> , 2019 , 99,	3.3	1
195	Magnetic frustration in partially ordered double perovskites Ln ₃ Ni ₂ RuO ₉ (Ln = La, Nd). <i>Journal of Alloys and Compounds</i> , 2019 , 806, 1509-1516	5.7	3
194	Designing a Lower Band Gap Bulk Ferroelectric Material with a Sizable Polarization at Room Temperature. <i>ACS Energy Letters</i> , 2018 , 3, 1176-1182	20.1	32
193	Tuning magnetic coercivity with external pressure in iron-rhenium based ferrimagnetic double perovskites. <i>Physical Review B</i> , 2018 , 98,	3.3	7
192	Structural manipulation and tailoring of dielectric properties in SrTi _{1-x} FexTaO ₃ perovskites: Design of new lead free relaxors. <i>Scientific Reports</i> , 2016 , 6, 23400	4.9	5
191	Synthesis, structure and electrochemical behaviour of new Ru-containing lithium-rich layered oxides. <i>Solid State Ionics</i> , 2016 , 297, 49-58	3.3	9
190	Developing Intense Blue and Magenta Colors in LiZnBO : The Role of 3d-Metal Substitution and Coordination. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3234-3240	4.5	13
189	Li ₂ MnO ₃ : a rare red-coloured manganese(IV) oxide exhibiting tunable red/yellow/green emission. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4794-4800	7.1	16
188	Oxygen-participated electrochemistry of new lithium-rich layered oxides Li ₃ MRuO ₅ (M = Mn, Fe). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3749-60	3.6	18
187	A molecular dynamics study of ambient and high pressure phases of silica: structure and enthalpy variation with molar volume. <i>Journal of Chemical Physics</i> , 2014 , 140, 244512	3.9	9
186	YGa _{1-x} MnxO ₃ : A novel purple inorganic pigment. <i>RSC Advances</i> , 2013 , 3, 3199	3.7	34
185	New rock salt-related oxides Li ₃ M ₂ RuO ₆ (M=Co, Ni): Synthesis, structure, magnetism and electrochemistry. <i>Journal of Solid State Chemistry</i> , 2013 , 203, 160-165	3.3	11
184	Li ₃ MRuO ₅ (M = Co, Ni), new lithium-rich layered oxides related to LiCoO ₂ : promising electrochemical performance for possible application as cathode materials in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10686	13	20
183	Exploring the color of transition metal ions in irregular coordination geometries: new colored inorganic oxides based on the spiroffite structure, Zn(2-x)M(x)Te ₃ O ₈ (M = Co, Ni, Cu). <i>Inorganic Chemistry</i> , 2013 , 52, 5757-63	5.1	17
182	Spin-electron-phonon excitation in Re-based half-metallic double perovskites. <i>Physical Review Letters</i> , 2012 , 108, 177202	7.4	17
181	Ba ₃ (P _{1-x} Mn _x O ₄) ₂ : Blue/green inorganic materials based on tetrahedral Mn(V). <i>Bulletin of Materials Science</i> , 2011 , 34, 1257-1262	1.7	21
180	Low-temperature polaronic relaxations with variable range hopping conductivity in FeTiMO ₆ (M=Ta,Nb,Sb). <i>Physical Review B</i> , 2011 , 84,	3.3	38

179	Unusual dielectric response in B-site size-disordered hexagonal transition metal oxides. <i>Applied Physics Letters</i> , 2010 , 96, 162903	3.4	12
178	Electric and magnetic polarizabilities of hexagonal $\text{Ln}_2\text{CuTiO}_6$ (Ln=Y, Dy, Ho, Er, and Yb). <i>Physical Review B</i> , 2010 , 82,	3.3	16
177	Manganese-mediated ferromagnetism in $\text{La}_2\text{Fe}_{1-x}\text{Mn}_x\text{Cr}_{1-x}\text{O}_6$ perovskite oxides. <i>Journal of Chemical Sciences</i> , 2010 , 122, 529-538	1.8	5
176	$\text{Ba}_3\text{MIII}\text{TiMVO}_9$ (MIII = Fe, Ga, Y, Lu; MV = Nb, Ta, Sb) perovskite oxides: Synthesis, structure and dielectric properties. <i>Solid State Sciences</i> , 2010 , 12, 1970-1976	3.4	10
175	Dielectric properties of some $\text{MM}'\text{O}_4$ and $\text{MTiM}'\text{O}_6$ (M=Cr, Fe, Ga; M'=Nb, Ta, Sb) rutile-type oxides. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1380-1387	3.3	28
174	Ruthenium(IV) pyrochlore oxides: Realization of novel electronic properties through substitution at A- and B-sites. <i>Solid State Sciences</i> , 2009 , 11, 189-194	3.4	6
173	An investigation of structural, magnetic and dielectric properties of R_2NiMnO_6 (R = rare earth, Y). <i>Materials Research Bulletin</i> , 2009 , 44, 1559-1564	5.1	129
172	Quest for new materials: Inorganic chemistry plays a crucial role. <i>Journal of Chemical Sciences</i> , 2009 , 121, 235-256	1.8	3
171	Reply to Comment on $\text{A}\text{LaMn}_2\text{O}_6$ (A = K, Rb): Novel Ferromagnetic Manganites Exhibiting Negative Giant Magnetoresistance. <i>Chemistry of Materials</i> , 2009 , 21, 2002-2002	9.6	
170	$\text{Ce}_{2/3}\text{Cr}_{1/3}\text{O}_{2+y}$: A New Oxygen Storage Material Based on the Fluorite Structure. <i>Chemistry of Materials</i> , 2008 , 20, 7268-7273	9.6	58
169	$\text{Sr}_4\text{M}_3\text{ReO}_{12}$ (M = Co, Fe): New Ferromagnetic Perovskite Oxides. <i>Chemistry of Materials</i> , 2008 , 20, 4420-4424	9.4	11
168	A novel one-pot metathesis route for the synthesis of double perovskites, $\text{Ba}_3\text{MM}'_2\text{O}_9$ (M = Mg, Ni, Zn; M' = Nb, Ta) with 1 : 2 ordering of M and M' atoms. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1589-1592		22
167	Oxygen-release/storage properties of $\text{Ce}_{0.5}\text{M}_{0.5}\text{O}_2$ (M = Zr, Hf) oxides: interplay of crystal chemistry and electronic structure. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 5149-54	3.4	63
166	Thermodynamic evidence for phase transition in MoO_2 . <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1539-1545	2.9	17
165	New substitutions and novel derivatives of the Aurivillius phases, $\text{Bi}_5\text{TiNbWO}_{15}$ and $\text{Bi}_4\text{Ti}_3\text{O}_{12}$. <i>Materials Research Bulletin</i> , 2007 , 42, 950-960	5.1	7
164	Investigation of the local Fe magnetic moments at the grain boundaries of the $\text{Ca}_2\text{FeReO}_6$ double perovskite. <i>Journal of Applied Physics</i> , 2007 , 101, 09H115	2.5	9
163	Incipient orbital order in half-metallic $\text{Ba}_2\text{FeReO}_6$. <i>Physical Review Letters</i> , 2007 , 98, 017204	7.4	33
162	Study of $\text{Ba}_3\text{M(II)M(IV)WO}_9$ (M(II) = Ca, Zn; M(IV) = Ti, Zr) perovskite oxides: competition between 3C and 6H perovskite structures. <i>Inorganic Chemistry</i> , 2007 , 46, 6661-7	5.1	12

161	$\text{Li}_x\text{Pb}_{1-x}\text{M}_x\text{O}$ (M=Al, Fe): A new solid solution series related to yellow PbO. <i>Materials Research Bulletin</i> , 2006 , 41, 2244-2250	5.1	
160	Reversible cation/anion extraction from $\text{K}_2\text{La}_2\text{Ti}_3\text{O}_{10}$: formation of new layered titanates, $\text{KLa}_2\text{Ti}_3\text{O}_{9.5}$ and $\text{La}_2\text{Ti}_3\text{O}_9$. <i>Inorganic Chemistry</i> , 2006 , 45, 8736-42	5.1	21
159	New Route to Ordered Double Perovskites: Synthesis of Rock Salt Oxides, Li_4MWO_6 , and Their Transformation to Sr_2MWO_6 (M = Mg, Mn, Fe, Ni) via Metathesis. <i>Chemistry of Materials</i> , 2005 , 17, 2310-2316	9.6	26
158	Heterovalent cation-substituted Aurivillius phases, $\text{Bi}_2\text{SrNaNb}_2\text{TaO}_{12}$ and $\text{Bi}_2\text{Sr}_2\text{Nb}_3\text{MxO}_{12}$ (M=Zr, Hf, Fe, Zn). <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 121, 112-119	3.1	10
157	Transformation of DionJacobson phase to Aurivillius phase: synthesis of $(\text{PbBiO}_2)\text{MnNb}_2\text{O}_7$ (M=La, Bi). <i>Materials Research Bulletin</i> , 2005 , 40, 39-45	5.1	8
156	$\text{Bi}_4\text{LnNb}_3\text{O}_{15}$ (Ln = La, Pr, Nd) and $\text{Bi}_4\text{LaTa}_3\text{O}_{15}$: New intergrowth Aurivillius related phases. <i>Materials Research Bulletin</i> , 2005 , 40, 920-927	5.1	2
155	Crystal structures and magnetic order of $\text{La}_{0.5-x}\text{A}_{0.5-x}\text{Mn}_{0.5+x}\text{Ru}_{0.5-x}\text{O}_3$ (A=Ca, Sr, Ba): Possible orbital glass ferromagnetic state. <i>Physical Review B</i> , 2004 , 70,	3.3	19
154	Insulator-metal transition and magnetoresistance of oxygen deficient $\text{La}_{0.35}\text{Ca}_{0.65}\text{MnO}_y$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 284, 35-42	2.8	3
153	Transforming n=1 members of the Ruddlesden-Popper phases to a n=3 member through metathesis: synthesis of a new layered perovskite, $\text{Ca}_2\text{La}_2\text{CuTi}_2\text{O}_{10}$. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2635-2638	3.3	12
152	2D-3D transformation of layered perovskites through metathesis: synthesis of new quadruple perovskites $\text{A}_2\text{La}_2\text{CuTi}_3\text{O}_{12}$ (A = Sr, Ca). <i>Inorganic Chemistry</i> , 2004 , 43, 1857-64	5.1	11
151	From rocksalt to perovskite: a metathesis route for the synthesis of perovskite oxides of current interest. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1273		40
150	Li_2MTiO_4 (M=Mn, Fe, Co, Ni): New cation-disordered rocksalt oxides exhibiting oxidative deintercalation of lithium. Synthesis of an ordered $\text{Li}_2\text{NiTiO}_4$. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 171-177	3.3	42
149	Preparation of $\text{PbZrO}_3/\text{ASO}_4$ Composites (A = Ca, Sr, Ba) and PbZrO_3 by Metathetic Reactions in the Solid State: Metathetic Exchange of Divalent Species. <i>Chemistry of Materials</i> , 2003 , 15, 1554-1559	9.6	21
148	Perovskite and Pyrochlore Modifications of $\text{Pb}_2\text{MnReO}_6$: Synthesis, Structure, and Electronic Properties. <i>Chemistry of Materials</i> , 2003 , 15, 668-674	9.6	30
147	Topochemical anion metathesis routes to the $\text{Zr}_2\text{N}_2\text{S}$ phases and the Na_2S and ACl derivatives (A = Na, K, Rb). <i>Journal of the American Chemical Society</i> , 2003 , 125, 4285-92	16.4	13
146	Lithium ion mobility in metal oxides: a materials chemistry perspective. <i>Journal of Materials Chemistry</i> , 2003 , 13, 433-441		60
145	Synthesis, structure and lithium-ion conductivity of $\text{Li}_2-x\text{Mg}_{2+x}(\text{MoO}_4)_3$ and $\text{Li}_3\text{M}(\text{MoO}_4)_3$ (M=Cr, Fe). <i>Journal of Materials Chemistry</i> , 2003 , 13, 1797-1802		59
144	$\text{Pb}_2\text{FeReO}_6$: new defect pyrochlore oxide with a geometrically frustrated Fe/Re sublattice. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2011		15

143	Probing the mobility of lithium in LISICON: Li ⁺ /H ⁺ exchange studies in Li ₂ ZnGeO ₄ and Li _{2+2x} Zn _{1-x} GeO ₄ . <i>Journal of Materials Chemistry</i> , 2003 , 13, 1400-1405		23
142	Ferrimagnetism and metal-insulator transitions in the LaMn _x Ru _{1-x} O ₃ perovskites. <i>Solid State Sciences</i> , 2002 , 4, 773-778	3.4	4
141	Insulator-metal transition and magnetoresistance of La _{0.5} Ca _{0.5} MnO _y induced by tuning the oxygen content. <i>Journal of Applied Physics</i> , 2002 , 92, 5391-5394	2.5	10
140	Reaction of La ₂ CuO ₄ with Binary Metal Oxides in the Solid State: Metathesis, Addition, and Redox Metathesis Pathways. <i>Chemistry of Materials</i> , 2002 , 14, 3984-3989	9.6	8
139	Electrical transport and magnetic properties of La _{0.5} Ca _{0.5} MnO _{3-x} with varying oxygen content. <i>Physical Review B</i> , 2002 , 65,	3.3	38
138	Spin-orbital ordering and mesoscopic phase separation in the double perovskite Ca ₂ FeReO ₆ . <i>Physical Review B</i> , 2002 , 66,	3.3	39
137	Synthesis and structure of La ₁₄ V ₆ CuO _{36.5} : a transparent Cu(I) vanadate containing [OCuO] ₃ sticks. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3839-3842		2
136	New lithium-ion conducting perovskite oxides related to (Li, La)TiO ₃ . <i>Journal of Chemical Sciences</i> , 2001 , 113, 427-433	1.8	6
135	Lithium Substitution in LaMnO ₃ : Synthesis, Structure, and Properties of LaMn _{1-x} Li _x O ₃ Perovskites. <i>Journal of Solid State Chemistry</i> , 2001 , 159, 68-71	3.3	7
134	ALaFeVO ₆ (A=Ca, Sr): New Double-Perovskite Oxides. <i>Journal of Solid State Chemistry</i> , 2001 , 162, 250-253	3.3	7
133	Ferromagnetic resonance and magnetization studies on ferrimagnetic double perovskites A ₂ /FeReO ₆ (A=Ca, Sr, Ba). <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2153-2155	2	10
132	Structurally modulated magnetic properties in the A ₃ MnRu ₂ O ₉ phases (A = Ba, Ca): the role of metal-metal bonding in perovskite-related oxides. <i>Inorganic Chemistry</i> , 2001 , 40, 4996-5000	5.1	23
131	Bridging the Ruddlesden-Popper and the Aurivillius phases: synthesis and structure of a novel series of layered perovskite oxides, (BiO)LnTiO ₄ (Ln = La, Nd, Sm). <i>Journal of the American Chemical Society</i> , 2001 , 123, 11496-7	16.4	18
130	Magnetoresistance in the Double Perovskite Sr ₂ CrMoO ₆ . <i>Journal of Solid State Chemistry</i> , 2000 , 155, 233-237	3.3	86
129	ALaMnBO ₆ (A = Ca, Sr, Ba; B = Fe, Ru) double perovskites. <i>Materials Research Bulletin</i> , 2000 , 35, 559-565	5.1	48
128	La _{0.9} Sr _{0.1} Ga _{0.8} M _{0.2} O _{3-x} (M = Mn, Co, Ni, Cu or Zn): Transition metal-substituted derivatives of lanthanum-strontium-galliummagnesium (LSGM) perovskite oxide ion conductor. <i>Bulletin of Materials Science</i> , 2000 , 23, 169-173	1.7	18
127	Metallic and nonmetallic double perovskites: A case study of A ₂ FeReO ₆ (A=Ca, Sr, Ba). <i>Physical Review B</i> , 2000 , 62, 9538-9542	3.3	120
126	Properties of the ferrimagnetic double perovskites A ₂ FeReO ₆ (A = Ba and Ca). <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 965-973	1.8	75

125	Transformations of Ruddlesden-Popper Oxides to New Layered Perovskite Oxides by Metathesis Reactions. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6237-6241	16.4	85
124	Zinc-Substituted δ -Nickel Hydroxide as an Electrode Material for Alkaline Secondary Cells. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 79-82	3.9	80
123	$\text{LiSr}_{1.65}\text{O}_{3.5}\text{B}_{1.3}\text{B}'_{0.7}\text{O}_9$ (B = Ti, Zr; B' = Nb, Ta): New Lithium Ion Conductors Based on the Perovskite Structure. <i>Chemistry of Materials</i> , 1999 , 11, 835-839	9.6	51
122	$\text{A}[\text{Bi}(3)\text{Ti}(4)\text{O}(13)]$ and $\text{A}[\text{Bi}(3)\text{PbTi}(5)\text{O}(16)]$ (A = K, Cs): New n = 4 and n = 5 Members of the Layered Perovskite Series, $\text{A}[\text{A}'(n)\text{O}(-1)\text{B}(n)\text{O}(3)(n)\text{O}(+1)]$, and Their Hydrates. <i>Inorganic Chemistry</i> , 1999 , 38, 2802-2806	5.1	7
121	Properties of the Ferrimagnetic Double-Perovskites A_2FeReO_6 (A=Ba and Ca). <i>Materials Research Society Symposia Proceedings</i> , 1999 , 602, 23		
120	Structure of $\text{KNb}_{0.5}\text{VO}_{0.5}\text{PO}_4$, a KTiOPO_4 Analog. <i>Materials Research Bulletin</i> , 1998 , 33, 395-399	5.1	1
119	Polymerization of aniline in layered $\text{HMMoO}_6 \cdot \text{H}_2\text{O}$ (M=Nb, Ta). <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998 , 53, 267-271	3.1	15
118	$\text{La}_{0.9}\text{Sr}_{0.1}\text{Ga}_{0.8}\text{Mn}_{0.2}\text{O}_{2.85}$: a new oxide ion conductor. <i>Chemical Communications</i> , 1998 , 2647-2648	5.8	8
117	$\text{ALaMn}_2\text{O}_{6-y}$ (A = K, Rb): Novel Ferromagnetic Manganites Exhibiting Negative Giant Magnetoresistance. <i>Chemistry of Materials</i> , 1998 , 10, 1436-1439	9.6	8
116	Convenient Route for the Synthesis of Transition-Metal Pnictides by Direct Reduction of Phosphate, Arsenate, and Antimonate Precursors. <i>Chemistry of Materials</i> , 1997 , 9, 2113-2116	9.6	72
115	On the Existence of Hydrotalcite-Like Phases in the Absence of Trivalent Cations. <i>Journal of Solid State Chemistry</i> , 1997 , 128, 38-41	3.3	133
114	New Directions in Solid State Chemistry 1997 ,		119
113	Synthesis of Layered $\text{MoOPO}_4 \cdot \text{H}_2\text{O}$ and Investigation of Its Intercalation Chemistry. <i>Inorganic Chemistry</i> , 1996 , 35, 6080-6085	5.1	7
112	$\text{AM}_{1-x}\text{Al}_x\text{O}_{3-x}$ (A = Na or K; M = Nb or Ta): New Anion-Deficient Perovskite Oxides Exhibiting Oxide Ion Conduction. <i>Chemistry of Materials</i> , 1996 , 8, 1302-1306	9.6	11
111	Polymerization of aniline in layered perovskites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995 , 34, 175-179	3.1	31
110	Chimie Douce Approaches to the Synthesis of Metastable Oxide Materials. <i>Chemistry of Materials</i> , 1995 , 7, 1265-1275	9.6	415
109	Bismuth-tungsten oxide bronzes: a study of intergrowth phases and related aspects. <i>World Scientific Series in 20th Century Chemistry</i> , 1995 , 485-507		
108	Relative Stabilities of Layered Perovskite and Pyrochlore Structures in Transition Metal Oxides Containing Trivalent Bismuth. <i>World Scientific Series in 20th Century Chemistry</i> , 1995 , 479-484		

107	Synthesis of Rutile-Related Oxides, LiMMoO_6 ($M = \text{Nb, Ta}$), and Their Proton Derivatives. Intercalation Chemistry of Novel Brønsted Acids, $\text{HMMoO}_6 \cdot \text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 1995 , 34, 3760-3764	5.1	40
106	Slicing the Perovskite Structure into Layers: Synthesis of Novel Three-Dimensional and Layered Perovskite Oxides, $\text{ALaSrNb}_2\text{MIO}_9$ ($A = \text{Na, Cs}$). <i>Journal of the American Chemical Society</i> , 1995 , 117, 2353-2354	16.4	15
105	$\text{AMVMIII}(\text{PO}_4)_3$: New Mixed-Metal Phosphates Having NASICON and Related Structures. <i>Inorganic Chemistry</i> , 1995 , 34, 1969-1972	5.1	24
104	Synthesis of new transition metal nitrides, MWN_2 ($M = \text{Mn, Co, Ni}$). <i>Journal of Alloys and Compounds</i> , 1995 , 217, 22-24	5.7	38
103	Dependence of giant magnetoresistance on oxygen stoichiometry and magnetization in polycrystalline $\text{La}_{0.67}\text{Ba}_{0.33}\text{MnO}_z$. <i>Physical Review B</i> , 1995 , 51, 6143-6146	3.3	511
102	Superstructures, Ordered Defects & Nonstoichiometry in Metal Oxides of Perovskite & Related Structures. <i>World Scientific Series in 20th Century Chemistry</i> , 1995 , 275-294		2
101	Organic Additive-Mediated Synthesis of Novel Cobalt(II) Hydroxides. <i>Journal of Solid State Chemistry</i> , 1995 , 114, 550-555	3.3	43
100	Structure and superconducting properties of a new family of thallium cuprates, $\text{TlSr}_3\text{Ln}_x\text{Cu}_2\text{O}_7$. <i>World Scientific Series in 20th Century Chemistry</i> , 1995 , 578-583		
99	EVIDENCE FOR TWO DISTINCT MECHANISMS FOR HOLES IN SINGLE-THALLIUM LAYER CUPRATE SUPERCONDUCTORS. <i>Modern Physics Letters B</i> , 1994 , 08, 339-343	1.6	
98	New Transition Metal Phosphates Related to KTiOPO_4 . Synthesis of $\text{K}_{0.5}\text{M}_{0.5}\text{M}'_{0.5}\text{OPO}_4$ ($M = \text{Nb, Ta}$; $M' = \text{Ti, V}$) and $\text{K}_{1-x}\text{Ti}_{1-x}\text{V}_x\text{OPO}_4$ Exhibiting Nonlinear Optical Behavior. <i>Journal of Solid State Chemistry</i> , 1994 , 111, 41-47	3.3	12
97	Superconducting thallium cuprates obtained by substitution of copper for thallium in the double-thallium layer cuprate (Tl_2Tl_2). <i>Materials Research Bulletin</i> , 1994 , 29, 369-376	5.1	
96	Soft Chemical Synthesis of New Layered and Three-Dimensional Oxide Hydrates, $\text{H}_x\text{V}_x\text{W}_1-x\text{O}_3 \cdot y\text{H}_2\text{O}$, Related to $\text{WO}_3 \cdot 2\text{H}_2\text{O}$ and $\text{WO}_3 \cdot 1/3\text{H}_2\text{O}$. <i>Chemistry of Materials</i> , 1994 , 6, 373-379	9.6	15
95	Synthesis of Anion-Deficient Layered Perovskites, $\text{ACa}_2\text{Nb}_3-x\text{M}_x\text{O}_{10-x}$ ($A = \text{Rb, Cs}$; $M = \text{Al, Fe}$), Exhibiting Ion-Exchange and Intercalation. Evidence for the Formation of Layered Brownmillerites, $\text{ACa}_2\text{Nb}_2\text{AlO}_9$ ($A = \text{Cs, H}$). <i>Chemistry of Materials</i> , 1994 , 6, 907-912	9.6	24
94	Soft-chemical routes to synthesis of solid oxide materials. <i>Journal of Chemical Sciences</i> , 1994 , 106, 609-618		4
93	Coupled substitution of niobium and silicon in potassium titanyl phosphate and arsenate (KTiOPO_4 and KTiOAsO_4). Synthesis and nonlinear optical properties of $\text{KTi}_{1-x}\text{Nb}_x\text{OX}_{1-x}\text{Si}_x\text{O}_4$ ($X = \text{P, As}$). <i>Inorganic Chemistry</i> , 1993 , 32, 4291-4293	5.1	11
92	. <i>Chemistry of Materials</i> , 1993 , 5, 132-136	9.6	54
91	Structure and superconducting properties of the $\text{Tl}_1-x\text{Ca}_x\text{Ba}_2\text{Cu}_2\text{O}_7$ and $\text{Tl}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_2\text{O}_7$ series. <i>Journal of Materials Chemistry</i> , 1992 , 2, 327-330		7
90	Vanadium phosphate ($\text{V}_2(\text{PO}_4)_3$): a novel NASICO N-type vanadium phosphate synthesized by oxidative deintercalation of sodium from sodium vanadium phosphate ($\text{Na}_3\text{V}_2(\text{PO}_4)_3$). <i>Chemistry of Materials</i> , 1992 , 4, 745-747	9.6	141

89	In defense of the bromine method for the determination of hole concentration in superconducting thallium cuprates. <i>Journal of Solid State Chemistry</i> , 1992 , 96, 468-469	3-3	4
88	Effect of aliovalent-cation substitution on the oxygen-ion conductivity of Bi ₄ V ₂ O ₁₁ ?. <i>Solid State Ionics</i> , 1992 , 58, 359-362	3-3	56
87	Effect of counter cations on electrocatalytic activity of oxide pyrochlores towards oxygen reduction/evolution in alkaline medium: an electrochemical and spectroscopic study. <i>Journal of Power Sources</i> , 1991 , 35, 163-173	8.9	34
86	Determination of hole concentration in superconducting thallium cuprates. <i>Journal of Solid State Chemistry</i> , 1991 , 93, 272-275	3-3	23
85	Correlations between T _c and n _s /m* (carrier density/ effective mass) in high-T _c and organic superconductors. <i>Hyperfine Interactions</i> , 1991 , 63, 131-137	0.8	6
84	(Bi,Pb) ₂ (Sr,Ln) ₂ CuO ₆ (Ln = La,Pr,Nd): New superconducting cuprates related to Bi ₂ Sr ₂ CuO _{6+y} . <i>Materials Research Bulletin</i> , 1991 , 26, 349-355	5-1	3
83	Relation between T _c and hole concentration in superconducting cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 11-13	1-3	49
82	Modulation-free bismuth-lead cuprate superconductors: BiPbSr _{1+x} L _{1-x} CuO ₆ and BiPbSr ₂ Y _{1-x} Ca _x Cu ₂ O ₈ . <i>Physical Review B</i> , 1991 , 43, 8686-8689	3-3	28
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