

J Gopalakrishnan

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#	Paper	IF	Citations
196	Universal correlations between T_c and ns/m (carrier density over effective mass) in high- T_c cuprate superconductors. <i>Physical Review Letters</i> , 1989 , 62, 2317-2320	7.4	1033
195	A New High-Temperature Superconductor: $\text{Bi}_2\text{Sr}_{3-x}\text{Ca}_x\text{Cu}_2\text{O}_{8+y}$. <i>Science</i> , 1988 , 239, 1015-7	33.3	698
194	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
193	Chimie Douce Approaches to the Synthesis of Metastable Oxide Materials. <i>Chemistry of Materials</i> , 1995 , 7, 1265-1275	9.6	415
192	Crystal Structure of $\text{Tl}_2\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$, a 125 K Superconductor. <i>Science</i> , 1988 , 240, 631-4	33.3	408
191	Crystal structure of the high-temperature superconductor $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$. <i>Nature</i> , 1988 , 332, 420-422	50.4	386
190	Structures of the superconducting oxides $\text{Tl}_2\text{Ba}_2\text{CuO}_6$ and $\text{Bi}_2\text{Sr}_2\text{CuO}_6$. <i>Physical Review B</i> , 1988 , 38, 225-231	3.3	379
189	Bulk Superconductivity up to 122 K in the Tl-Pb-Sr-Ca-Cu-O System. <i>Science</i> , 1988 , 242, 249-52	33.3	311
188	Superconductivity near liquid nitrogen temperature in the Pb?Sr?R?Ca?Cu?O system ($R=Y$ or rare earth). <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 157, 124-130	1.3	223
187	$\text{A}_2\text{Ln}_2\text{Ti}_3\text{O}_{10}$ ($A = \text{potassium or rubidium}$; $\text{Ln} = \text{lanthanum or rare earth}$): a new series of layered perovskites exhibiting ion exchange. <i>Inorganic Chemistry</i> , 1987 , 26, 4299-4301	5.1	193
186	Magnetic order and electronic phase diagrams of electron-doped copper oxide materials. <i>Physical Review B</i> , 1990 , 42, 7981-7988	3.3	174
185	$\text{AlLaNb}_2\text{O}_7$: A new series of layered perovskites exhibiting ion exchange and intercalation behaviour. <i>Materials Research Bulletin</i> , 1987 , 22, 413-417	5.1	170
184	Structure refinements of superconducting $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$ and $\text{Tl}_2\text{Ba}_2\text{Cu}_3\text{O}_{10}$ from neutron diffraction data. <i>Physical Review B</i> , 1988 , 38, 6624-6630	3.3	151
183	Short-range ordering due to displacements of thallium and oxygen atoms in superconducting $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$ observed by pulsed-neutron scattering. <i>Physical Review Letters</i> , 1988 , 61, 2608-2611	7.4	143
182	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
181	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
180	An investigation of structural, magnetic and dielectric properties of R_2NiMnO_6 ($R = \text{rare earth, Y}$). <i>Materials Research Bulletin</i> , 2009 , 44, 1559-1564	5.1	129

179	Metallic and nonmetallic double perovskites: A case study of $A_2\text{FeReO}_6$ ($A=\text{Ca, Sr, Ba}$). <i>Physical Review B</i> , 2000 , 62, 9538-9542	3.3	120
178	New Directions in Solid State Chemistry 1997 ,		119
177	Studies of static magnetic order in electron-superconductors and their parent compounds. <i>Nature</i> , 1989 , 338, 49-51	50.4	112
176	Oxygen nonstoichiometry in copper-oxide based superconductors and related systems: Structure of nonsuperconducting $\text{Bi}_2\text{Sr}_{3-x}\text{Y}_x\text{Cu}_2\text{O}_{8+y}$ ($x=0.6-1.0$). <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 157, 115-123	1.3	104
175	A convenient route for the synthesis of complex metal oxides employing solid-solution precursors. <i>Inorganic Chemistry</i> , 1984 , 23, 1206-1210	5.1	102
174	Flux creep and critical-current anisotropy in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review B</i> , 1989 , 39, 7309-7312	3.3	100
173	Crystal structure of $\text{TlBa}_2\text{Ca}_2\text{Cu}_3\text{O}_9$. <i>Journal of Solid State Chemistry</i> , 1988 , 77, 192-195	3.3	92
172	Studies on the $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ($0 < x < 1$) system. <i>Journal of Solid State Chemistry</i> , 1977 , 22, 145-149	3.3	90
171	Magnetoresistance in the Double Perovskite $\text{Sr}_2\text{CrMoO}_6$. <i>Journal of Solid State Chemistry</i> , 2000 , 155, 233-237	3.3	86
170	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
169	Zinc-Substituted Nickel Hydroxide as an Electrode Material for Alkaline Secondary Cells. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 79-82	3.9	80
168	Neutron-powder-diffraction study of the structure and antiferromagnetic ordering in Pr_2CuO_4 . <i>Physical Review B</i> , 1989 , 40, 6998-7004	3.3	78
167	Properties of the ferrimagnetic double perovskites $A_2\text{FeReO}_6$ ($A = \text{Ba and Ca}$). <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 965-973	1.8	75
166	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
165	Metal monothiobenzoates. <i>Inorganic Chemistry</i> , 1970 , 9, 748-751	5.1	71
164	Superconducting $\text{Tl}_2\text{OBa}_2\text{OCuO}_6$ —A high resolution neutron powder and single crystal x-ray diffraction investigation. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 239-244	1.3	68
163	Absence of magnetic order in $(\text{Ba, K})\text{BiO}_3$. <i>Nature</i> , 1988 , 335, 151-152	50.4	67
162	Rare earth transition metal sulfides, LnMS_3 . <i>Journal of Solid State Chemistry</i> , 1981 , 38, 165-172	3.3	66

- 161 Superconducting and Magnetic Behavior in $\text{La}_{2-x}\text{NaxCuO}_4$. *Science*, **1988**, 240, 495-7 33.3 65
- 160 Synthesis of complex metal oxides using hydroxide, cyanide, and nitrate solid solution precursors. *Journal of Solid State Chemistry*, **1985**, 58, 29-37 3.3 65
- 159 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. *Journal of Physical Chemistry B*, **2007**, 111, 5149-54 3.4 63
- 158 Lithium ion mobility in metal oxides: a materials chemistry perspective. *Journal of Materials Chemistry*, **2003**, 13, 433-441 60
- 157 Synthesis, structure and lithium-ion conductivity of $\text{Li}_2\text{xMg}_{2+x}(\text{MoO}_4)_3$ and $\text{Li}_3\text{M}(\text{MoO}_4)_3$ (M=Cr, Fe). *Journal of Materials Chemistry*, **2003**, 13, 1797-1802 59
- 156 The superconductors $(\text{Tl}, \text{Pb})\text{Sr}_2\text{CaCu}_2\text{O}_7$ and $(\text{Tl}, \text{Pb})\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_9$: Neutron powder diffraction, high resolution electron microscopy and X-ray absorption studies. *Physica C: Superconductivity and Its Applications*, **1989**, 159, 245-254 1.3 59
- 155 $\text{Ce}_{2/3}\text{Cr}_{1/3}\text{O}_{2+y}$: A New Oxygen Storage Material Based on the Fluorite Structure. *Chemistry of Materials*, **2008**, 20, 7268-7273 9.6 58
- 154 Effect of aliovalent-cation substitution on the oxygen-ion conductivity of $\text{Bi}_4\text{V}_2\text{O}_{11}$?. *Solid State Ionics*, **1992**, 58, 359-362 3.3 56
- 153 . *Chemistry of Materials*, **1993**, 5, 132-136 9.6 54
- 152 Synthesis of complex metal oxides by novel routes. *Accounts of Chemical Research*, **1987**, 20, 228-235 24.3 52
- 151 $\text{LiSr}_{1.65}\text{O}_{3.5}\text{B}_{1.3}\text{O}_9$ (B = Ti, Zr; B = Nb, Ta): New Lithium Ion Conductors Based on the Perovskite Structure. *Chemistry of Materials*, **1999**, 11, 835-839 9.6 51
- 150 A homologous series of recurrent intergrowth structures of the type $\text{Bi}_4\text{Am} + n\text{B}_m + n\text{O}_3(m+n) + 6$ formed by oxides of the aurivillius family. *Journal of Solid State Chemistry*, **1984**, 55, 101-105 3.3 51
- 149 Relation between T_c and hole concentration in superconducting cuprates. *Physica C: Superconductivity and Its Applications*, **1991**, 174, 11-13 1.3 49
- 148 ALaMnBO_6 (A = Ca, Sr, Ba; B = Fe, Ru) double perovskites. *Materials Research Bulletin*, **2000**, 35, 559-565 5.1 48
- 147 New layered perovskites: ABiNb_2O_7 and $\text{APb}_2\text{Nb}_3\text{O}_{10}$ (A=Rb OR Cs). *Materials Research Bulletin*, **1988**, 23, 837-842 5.1 46
- 146 Properties and structures of R_2AxCuO_4 phases: R = La, Pr and Nd; A = Sr, Pb and Cd. *Materials Research Bulletin*, **1989**, 24, 321-330 5.1 44
- 145 Organic Additive-Mediated Synthesis of Novel Cobalt(II) Hydroxides. *Journal of Solid State Chemistry*, **1995**, 114, 550-555 3.3 43
- 144 Novel metal oxides prepared by ingenious synthetic routes. *Journal of Materials Research*, **1986**, 1, 280-294 43

143	Superconducting properties of single-crystal Bi2Sr. <i>Physical Review B</i> , 1988 , 38, 5095-5097	3-3	43
142	Li ₂ MTiO ₄ (M=Mn, Fe, Co, Ni): New cation-disordered rocksalt oxides exhibiting oxidative deintercalation of lithium. Synthesis of an ordered Li ₂ NiTiO ₄ . <i>Journal of Solid State Chemistry</i> , 2003 , 172, 171-177	3-3	42
141	Superconducting Tl ₂ Ba ₂ CuO ₆ : The orthorhombic form. <i>Journal of Solid State Chemistry</i> , 1988 , 76, 432-436	3-3	41
140	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
139	Synthesis of Rutile-Related Oxides, LiMMoO ₆ (M = Nb, Ta), and Their Proton Derivatives. Intercalation Chemistry of Novel Broensted Acids, HMMoO ₆ .cntdot.H ₂ O. <i>Inorganic Chemistry</i> , 1995 , 34, 3760-3764	5-1	40
138	Study of transition-metal monosulphides by photoelectron spectroscopy. <i>Journal of Physics C: Solid State Physics</i> , 1979 , 12, 5255-5261		40
137	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
136	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
135	Electrical transport and magnetic properties of La _{0.5} Ca _{0.5} MnO ₃ with varying oxygen content. <i>Physical Review B</i> , 2002 , 65,	3-3	38
134	Synthesis of new transition metal nitrides, MWN ₂ (M?Mn, Co, Ni). <i>Journal of Alloys and Compounds</i> , 1995 , 217, 22-24	5-7	38
133	YGa _{1-x} MnxO ₃ : A novel purple inorganic pigment. <i>RSC Advances</i> , 2013 , 3, 3199	3-7	34
132	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
131	Incipient orbital order in half-metallic Ba ₂ FeReO ₆ . <i>Physical Review Letters</i> , 2007 , 98, 017204	7-4	33
130	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
129	Studies on Some Ternary Oxides of AVO ₃ Composition. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1975 , 415, 275-284	1-3	32
128	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
127	X-ray spectroscopic study of chromium, nickel, and molybdenum compounds. <i>The Journal of Physical Chemistry</i> , 1980 , 84, 2200-2203		31
126	LixVO ₂ (0 <i>Journal of Solid State Chemistry</i> , 1982 , 42, 217-219	3-3	31

125	Preparation and characterization of La ₂ TiMO ₆ (M = Co, Ni, Cu and Zn) perovskites. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1978 , 40, 1453-1454		31
124	Perovskite and Pyrochlore Modifications of Pb ₂ MnReO ₆ : Synthesis, Structure, and Electronic Properties. <i>Chemistry of Materials</i> , 2003 , 15, 668-674	9.6	30
123	Dielectric properties of some MM ₂ O ₄ and MTiM ₂ O ₆ (M=Cr, Fe, Ga; M ₂ =Nb, Ta, Sb) rutile-type oxides. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1380-1387	3.3	28
122	Modulation-free bismuth-lead cuprate superconductors: BiPbSr _{1+x} Li _{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
121	Superconductor-to-insulator transition in the Bi ₂ Sr _{3-x} Y _x Cu ₂ O _{8+y} system. <i>Journal of Solid State Chemistry</i> , 1988 , 77, 196-199	3.3	28
120	New Route to Ordered Double Perovskites: Synthesis of Rock Salt Oxides, Li ₄ MWO ₆ , and Their Transformation to Sr ₂ MWO ₆ (M = Mg, Mn, Fe, Ni) via Metathesis. <i>Chemistry of Materials</i> , 2005 , 17, 2310-2316	9.6	26
119	Static magnetic order in Bi ₂ Sr ₂ YCu ₂ O _x and spin freezing in Bi ₂ SrYCaCu ₂ O _x detected by muon-spin rotation. <i>Physical Review B</i> , 1989 , 39, 847-850	3.3	25
118	A Study of LaNi _{1-x} Co _x O ₃ System. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1976 , 424, 155-161	3.3	25
117	AMVMIII(PO ₄) ₃ : New Mixed-Metal Phosphates Having NASICON and Related Structures. <i>Inorganic Chemistry</i> , 1995 , 34, 1969-1972	5.1	24
116	Synthesis of Anion-Deficient Layered Perovskites, A ₂ Ca ₂ Nb _{3-x} M _x O _{10-x} (A = Rb, Cs; M = Al, Fe), Exhibiting Ion-Exchange and Intercalation. Evidence for the Formation of Layered Brownmillerites, A ₂ Ca ₂ Nb ₂ AlO ₉ (A = Cs, H). <i>Chemistry of Materials</i> , 1994 , 6, 907-912	9.6	24
115	Convenient synthesis of the Chevrel phases metal molybdenum sulfide, M _x Mo ₆ S ₈ (M = copper, lead, lanthanum or gadolinium). <i>Inorganic Chemistry</i> , 1987 , 26, 4286-4288	5.1	24
114	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
113	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
112	Determination of hole concentration in superconducting thallium cuprates. <i>Journal of Solid State Chemistry</i> , 1991 , 93, 272-275	3.3	23
111	Oxidative extraction and ion-exchange of lithium in Li ₂ MoO ₃ : synthesis of Li _{2-x} MoO ₃ (0 Materials Research Bulletin, 1987 , 22, 769-774	5.1	23
110	A novel one-pot metathesis route for the synthesis of double perovskites, Ba ₃ MM ₂ O ₉ (M = Mg, Ni, Zn; M ₂ = Nb, Ta) with 1 : 2 ordering of M and M ₂ atoms. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1589-1592		22
109	Superconducting and nonsuperconducting analogs of Bi ₂ Sr ₂ CaCu ₂ O ₈ : The role of electronegativity. <i>Journal of Solid State Chemistry</i> , 1989 , 80, 156-160	3.3	22
108	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

107	Reversible cation/anion extraction from $K_2La_2Ti_3O_{10}$: formation of new layered titanates, $KLa_2Ti_3O_{9.5}$ and $La_2Ti_3O_9$. <i>Inorganic Chemistry</i> , 2006 , 45, 8736-42	5.1	21
106	Preparation of $PbZrO_3/ASO_4$ 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
105	Li_3MRuO_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
104	Alkali-metal substituted La_2CuO_4 : Structures of $La_2-xM_xCuO_4$ (M = Na, K; x \in [0,2]). <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 158, 465-470	1.3	20
103	Ternary bismuth oxides $Bi_{26-x}M_xO_{40}$ (M = Mg, Al, Co and Ni) related to β Bi_2O_3 . <i>Materials Research Bulletin</i> , 1981 , 16, 169-174	5.1	20
102	Some ABO_3 oxides with defect pyrochlore structure. <i>Solid State Communications</i> , 1975 , 17, 545-547	1.6	20
101	Crystal structures and magnetic order of $La_{0.5-x}A_{0.5-x}Mn_{0.5+x}Ru_{0.5-x}O_3$ (A=Ca,Sr,Ba): Possible orbital glass ferromagnetic state. <i>Physical Review B</i> , 2004 , 70,	3.3	19
100	Preparation, structure, and magnetic properties of isostructural La_3MAIS_7 and La_3MFeS_7 (M = Mg, Mn, Fe, Co, Ni, or Zn). <i>Journal of Solid State Chemistry</i> , 1983 , 49, 51-58	3.3	19
99	Ternary vanadium sulfides. <i>Journal of Solid State Chemistry</i> , 1982 , 44, 119-125	3.3	19
98	Oxygen-participated electrochemistry of new lithium-rich layered oxides Li_3MRuO_5 (M = Mn, Fe). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3749-60	3.6	18
97	$La_{0.9}Sr_{0.1}Ga_{0.8}M_{0.2}O_{3-x}$ (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
96	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
95	Microstructure and microchemistry of defects and interfaces in $Tl_2Ba_2Ca_3Cu_4O_{12}$, $TlBa_2Ca_4Cu_5O_{13}$ and $(Tl,Pb)Sr_2Ca_n-1Cu_nO_{2n+3}$ (n=2,3) oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 801-810	1.3	18
94	Studies on magnesium- and titanium-substituted $LaCoO_3$. <i>Journal of the Less Common Metals</i> , 1979 , 65, 129-138		18
93	Exploring the color of transition metal ions in irregular coordination geometries: new colored inorganic oxides based on the spiroffite structure, $Zn_{(2-x)}M_{(x)}Te_3O_8$ (M = Co, Ni, Cu). <i>Inorganic Chemistry</i> , 2013 , 52, 5757-63	5.1	17
92	Spin-electron-phonon excitation in Re-based half-metallic double perovskites. <i>Physical Review Letters</i> , 2012 , 108, 177202	7.4	17
91	Thermodynamic evidence for phase transition in MoO_2 . <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1539-1545	2.9	17
90	Li_2MnO_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

89	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
88	New oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 608-612	1.3	16
87	Relative stabilities of layered perovskite and pyrochlore structures in transition metal oxides containing trivalent bismuth. <i>Journal of Solid State Chemistry</i> , 1985 , 60, 376-381	3.3	16
86	Insertion/extraction of lithium and sodium in transition metal oxides and chalcogenides. <i>Bulletin of Materials Science</i> , 1985 , 7, 201-214	1.7	16
85	Studies on some Ln_2MoO_5 oxides. <i>Journal of the Less Common Metals</i> , 1979 , 68, 167-174		16
84	μSR STUDIES OF HIGH TC SUPERCONDUCTIVITY. <i>Journal De Physique Colloque</i> , 1988 , 49, C8-2087-C8-2092		16
83	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
82	$\text{Pb}_2\text{FeReO}_6$: new defect pyrochlore oxide with a geometrically frustrated Fe/Re sublattice. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2011		15
81	Slicing the Perovskite Structure into Layers: Synthesis of Novel Three-Dimensional and Layered Perovskite Oxides, $\text{ALaSrNb}_2\text{MIO}_9$ (A = Na, Cs). <i>Journal of the American Chemical Society</i> , 1995 , 117, 2353-2354	16.4	15
80	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
79	Preparation and studies of a new ammonium vanadium bronze, $(\text{NH}_4)_x\text{V}_2\text{O}_5$. <i>Journal of Solid State Chemistry</i> , 1974 , 9, 273-278	3.3	15
78	Diphenyl sulphoxide complexes of some divalent metal ions. <i>Inorganica Chimica Acta</i> , 1967 , 1, 165-168	2.7	14
77	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
76	Low-temperature synthesis of novel layered alkali metal- MoO_3 bronzes and hexagonal bronzes of the type $\text{KyW}_1\text{MoxO}_3$. <i>Journal of Solid State Chemistry</i> , 1988 , 74, 228-231	3.3	13
75	Transition metal chalcogenides exhibiting quasi-one-dimensional behaviour. <i>Bulletin of Materials Science</i> , 1983 , 5, 287-306	1.7	13
74	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
73	Unusual dielectric response in B-site size-disordered hexagonal transition metal oxides. <i>Applied Physics Letters</i> , 2010 , 96, 162903	3.4	12
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