

Varadaraju Upadhyayula

List of Publications by Year in descending order

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164
papers

3,992
citations

145106

33
h-index

162838

57
g-index

169
all docs

169
docs citations

169
times ranked

4876
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Processing Routes on the Microstructure and Thermoelectric Properties of Half-Heusler $\text{TiFe}_{0.5}\text{Ni}_{0.5}\text{Sb}_{1-x}\text{Sn}_x$ ($x = 0, 0.05, 0.1, 0.2$) Alloys. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 305-317.	1.2	7
2	Optimizing conditions and improved electrochemical performance of layered $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ cathode material for Li-ion batteries. <i>Ionics</i> , 2022, 28, 229-240.	1.2	2
3	Electrochemical lithium and sodium insertion studies in 3D metal oxy-phosphate framework $\text{MoWO}_3(\text{PO}_4)_2$ for battery applications. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2675.	1.2	0
4	Eu(III)-doped barium tellurooxyphosphate phosphor with orange-red emission. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	2
5	Pore Size-Engineered Three-Dimensional Ordered Mesoporous Carbons with Improved Electrochemical Performance for Supercapacitor and Lithium-Ion Battery Applications. <i>ChemistrySelect</i> , 2019, 4, 10104-10112.	0.7	11
6	$\text{Ti}_2\text{NiCoSnSb}$ - a new half-Heusler type high-entropy alloy showing simultaneous increase in Seebeck coefficient and electrical conductivity for thermoelectric applications. <i>Scientific Reports</i> , 2019, 9, 5331.	1.6	58
7	Robust, Environmentally Benign Synthesis of Nanoporous Graphene Sheets from Biowaste for Ultrafast Supercapacitor Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2516-2529.	3.2	76
8	Electrochemical performance of $\text{LiNi}_{0.4}\text{Co}_{0.2}\text{Mn}_{0.4}\text{O}_2$ prepared by different molten salt flux: $\text{LiNO}_3\text{-LiCl}$ and $\text{LiNO}_3\text{-KNO}_3$. <i>Applied Surface Science</i> , 2017, 418, 72-78.	3.1	9
9	Reversible Li Insertion Studies on $\text{V}_4\text{O}_{13}(\text{PO}_4)_3$ as High Energy Storage Material for Li-Ion Battery Applications. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6201-A6205.	1.3	3
10	$\text{Li}_3\text{Gd}_3\text{Te}_2\text{O}_{12}:\text{Eu}^{3+}$ - an intense red phosphor for solid state lighting applications. <i>Journal of Solid State Chemistry</i> , 2017, 246, 319-323.	1.4	5
11	Ternary lithium molybdenum oxide, $\text{Li}_2\text{Mo}_4\text{O}_{13}$: A new potential anode material for high-performance rechargeable lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 258, 1445-1452.	2.6	16
12	Eu^{3+} Photoluminescence in CaYTiNbO_7 Pyrochlore: A Promising Orange-Red Phosphor for White-Light-Emitting Diodes. <i>ChemistrySelect</i> , 2017, 2, 10741-10747.	0.7	3
13	Facile synthesis of mesoporous carbon from furfuryl alcohol-butanol system by EISA process for supercapacitors with enhanced rate capability. <i>Journal of Alloys and Compounds</i> , 2017, 723, 488-497.	2.8	20
14	Synthesis and photoluminescence of Eu^{2+} in barium zinc orthosilicate: a novel green color emitting phosphor for white-LEDs. <i>Luminescence</i> , 2017, 32, 334-340.	1.5	19
15	In-situ carbon coated CuCo_2S_4 anode material for Li-ion battery applications. <i>Applied Surface Science</i> , 2017, 418, 30-39.	3.1	34
16	Facile synthesis and lithium reversible insertion on iron hydrated trifluorides $\text{FeF}_3 \cdot 0.5\text{H}_2\text{O}$. <i>Materials Letters</i> , 2016, 170, 130-134.	1.3	6
17	Disodium dimolybdate: a potential high-performance anode material for rechargeable sodium ion battery applications. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1501-1505.	1.2	14
18	Synthesis, structural and electrochemical study of $\text{NaNi}_{0.4}\text{Mn}_{0.4}\text{Co}_{0.2}\text{O}_2$ as a cathode material for Na-ion batteries. <i>RSC Advances</i> , 2016, 6, 61334-61340.		8

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19	Reversible lithium storage behaviour of aromatic diimide dilithium carboxylates. <i>Electrochimica Acta</i> , 2016, 193, 80-87.	2.6	29
20	A new wide band gap thermoelectric quaternary selenide Cu ₂ MgSnSe ₄ . <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	24
21	Hydrothermal synthesis of LiFePO ₄ nanorods composed of nanoparticles from vivianite precursor and its electrochemical performance for lithium ion battery applications. <i>Bulletin of Materials Science</i> , 2015, 38, 1385-1388.	0.8	16
22	Improved electrochemical performance of lithium/sodium perylene-3,4,9,10-tetracarboxylate as an anode material for secondary rechargeable batteries. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14925-14931.	3.8	38
23	Synthesis and high temperature transport properties of new quaternary layered selenide NaCuMnSe ₂ . <i>Journal of Solid State Chemistry</i> , 2014, 212, 64-68.	1.4	2
24	Lithium Insertion in Micrometer Sized Rutile TiO ₂ at Room Temperature: Facilitated by Crystal Chemical Substitution. <i>Journal of the Electrochemical Society</i> , 2014, 161, A149-A153.	1.3	5
25	Influence of 6s ² lone pair electrons of Bi ³⁺ on its preferential site occupancy in fluorapatite, NaCa ₃ Bi(PO ₄) ₃ F. An insight from Eu ³⁺ luminescent probe. <i>Materials Research Bulletin</i> , 2014, 60, 238-241.	2.7	13
26	Enhanced luminescence of Sr ₂ SiO ₄ :Dy ³⁺ by sensitization (Ce ³⁺ /Eu ²⁺) and fabrication of white light-emitting-diodes. <i>Materials Letters</i> , 2014, 117, 302-304.	1.3	21
27	Studies on electrochemical lithium insertion in isostructural titanium niobate and tantalate phases with shear ReO ₃ structure. <i>Materials Research Bulletin</i> , 2013, 48, 2702-2706.	2.7	35
28	In Situ Carbon Coated Li ₂ MnSiO ₄ /C Composites as Cathodes for Enhanced Performance Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1954-A1960.	1.3	48
29	Eu ³⁺ and Tb ³⁺ Emission in Molybdenophosphate Na ₂ Y(MoO ₄) ₂ (PO ₄) ₂ . <i>Journal of the Electrochemical Society</i> , 2012, 159, J122-J126.	1.3	13
30	Enhanced nanoscale conduction capability of a MoO ₂ /Graphene composite for high performance anodes in lithium ion batteries. <i>Journal of Power Sources</i> , 2012, 216, 169-178.	4.0	107
31	A crystal chemical approach to tuning of emission properties in rare earth doped ternary niobates. <i>Journal of Materials Chemistry</i> , 2012, 22, 1088-1093.	6.7	12
32	Lithium insertion in lithium iron molybdate. <i>Electrochemistry Communications</i> , 2012, 18, 112-115.	2.3	21
33	Pb ₃ O ₄ type antimony oxides MSb ₂ O ₄ (M=Co, Ni) as anode for Li-ion batteries. <i>Electrochimica Acta</i> , 2012, 71, 227-232.	2.6	34
34	Photoluminescence properties of rare earths (Eu ³⁺ , Tb ³⁺ , Dy ³⁺ and Tm ³⁺) activated NaInW ₂ O ₈ wolframite host lattice. <i>Journal of Solid State Chemistry</i> , 2012, 185, 187-190.	1.4	7
35	Influence of structural distortions upon photoluminescence properties of Eu ³⁺ and Tb ³⁺ activated Na ₃ Ln(BO ₃) ₂ (Ln=Y, Gd) borates. <i>Journal of Solid State Chemistry</i> , 2012, 190, 186-190.	1.4	25
36	A New Form of LiNbO ₃ with a Lamellar Structure Showing Reversible Lithium Intercalation. <i>Chemistry of Materials</i> , 2011, 23, 1915-1922.	3.2	40

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37	Lithium Insertion into Niobates with Columbite-Type Structure: Interplay between Structure-Composition and Crystallite Size. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25121-25124.	1.5	20
38	Host-sensitized emission of LiLnW_2O_8 wolframites: From red- Eu^{3+} to white- Dy^{3+} phosphors. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2566-2570.	1.4	30
39	Scheelite Based Red Phosphors for White LEDs. <i>Journal of the Electrochemical Society</i> , 2011, 159, J1-J4.	1.3	5
40	High temperature thermopower and electrical resistivity studies in the transparent conducting oxide Sn doped MgIn_2O_4 . <i>Materials Research Bulletin</i> , 2010, 45, 659-662.	2.7	1
41	Multiband orange-red photoluminescence of Eu^{3+} ions in new $\text{LnBaZn}_3\text{GaO}_7$ and $\text{LnBaZn}_3\text{AlO}_7$ oxides. <i>Journal of Solid State Chemistry</i> , 2010, 183, 485-490.	1.4	17
42	Electrochemical Li insertion studies on WNb_2O_7 A shear ReO_3 type structure. <i>Journal of Solid State Chemistry</i> , 2010, 183, 988-993.	1.4	57
43	Eu^{3+} luminescence in $\text{La}_5\text{Si}_2\text{BO}_{13}$ with apatite related structure and magnetic studies in $\text{Ln}_5\text{Si}_2\text{BO}_{13}$ ($\text{Ln}=\text{Gd}, \text{Dy}$). <i>Journal of Solid State Chemistry</i> , 2010, 183, 1847-1852.	1.4	12
44	A new $\text{BaB}_2\text{Si}_2\text{O}_8:\text{Eu}^{2+}/\text{Eu}^{3+}, \text{Tb}^{3+}$ phosphor Synthesis and photoluminescence properties. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2496-2500.	1.4	34
45	$\text{Eu}^{2+}, \text{Ce}^{3+}$ Luminescence and $\text{Ce}^{3+} \rightarrow \text{Eu}^{2+}$ Energy-Transfer Studies on $\text{Sr}_2\text{LiSiO}_4\text{F}$: A White Light-Emitting Phosphor. <i>Journal of the Electrochemical Society</i> , 2009, 156, J179.	1.3	63
46	Monoclinic iron hydroxy sulphate: A new route to electrode materials. <i>Electrochemistry Communications</i> , 2009, 11, 1807-1810.	2.3	59
47	Effect of isovalent doping on the high temperature thermopower and resistivity properties of. <i>Solid State Communications</i> , 2009, 149, 1735-1738.	0.9	0
48	Facile Chemical Insertion of Lithium in $\text{Eu}_{0.33}\text{Zr}_2(\text{PO}_4)_3$ An Elegant Approach for Tuning the Photoluminescence Properties. <i>Chemistry of Materials</i> , 2009, 21, 1793-1795.	3.2	28
49	Topotactic insertion of lithium in the layered structure $\text{Li}_4\text{VO}(\text{PO}_4)_2$: The tunnel structure $\text{Li}_5\text{VO}(\text{PO}_4)_2$. <i>Journal of Solid State Chemistry</i> , 2008, 181, 976-982.	1.4	12
50	Role of crystallite size on the photoluminescence properties of $\text{SrIn}_2\text{O}_4:\text{Eu}^{3+}$ phosphor synthesized by different methods. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2418-2423.	1.4	22
51	Synthesis, phase transition and photoluminescence studies on Eu^{3+} -substituted double perovskites A novel orange-red phosphor for solid-state lighting. <i>Journal of Solid State Chemistry</i> , 2008, 181, 3344-3351.	1.4	106
52	Luminescence and afterglow in $\text{Sr}_2\text{SiO}_4:\text{Eu}^{2+}, \text{RE}^{3+}$ [$\text{RE}=\text{Ce}, \text{Nd}, \text{Sm}$ and Dy] phosphors Role of co-dopants in search for afterglow. <i>Materials Research Bulletin</i> , 2008, 43, 2946-2953.	2.7	81
53	Synthesis and Lithium Insertion into Nanophase MgTi_2O_5 with Pseudo-Brookite Structure. <i>Chemistry of Materials</i> , 2008, 20, 2192-2197.	3.2	10
54	Facile Insertion of Lithium into Nanocrystalline AlNbO_4 at Room Temperature. <i>Chemistry of Materials</i> , 2008, 20, 4557-4559.	3.2	24

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55	New Layered Hydrogenophosphate, Protonic Conductor: Mn(H ₂ PO ₄) ₂ . Inorganic Chemistry, 2008, 47, 6072-6076.	1.9	10
56	Crystallite Size Constraints on Lithium Insertion into Brookite TiO ₂ . Electrochemical and Solid-State Letters, 2008, 11, A132.	2.2	53
57	Electric Dipole Red Emission in Eu ³⁺ -Doped Low Bandgap Oxide LiInO ₂ . Electrochemical and Solid-State Letters, 2008, 11, J40.	2.2	9
58	Lithium Intercalation into Nanocrystalline Brookite TiO ₂ . Electrochemical and Solid-State Letters, 2007, 10, A29.	2.2	95
59	An Orange-Red Phosphor under Near-UV Excitation for White Light Emitting Diodes. Journal of the Electrochemical Society, 2007, 154, J28.	1.3	84
60	Ce ³⁺ →Eu ²⁺ Energy Transfer Studies on BaMgSiO ₄ . Journal of the Electrochemical Society, 2007, 154, J167.	1.3	43
61	Electrochemical performance of VOMoO ₄ as negative electrode material for Li ion batteries. Journal of Power Sources, 2007, 168, 509-512.	4.0	17
62	Stabilization of ¹³⁹ La ₂ S ₃ by alkali metal ion doping. Materials Research Bulletin, 2007, 42, 385-388.	2.7	20
63	Electrochemical intercalation of lithium in the titanium hydrogen phosphate Ti(HPO ₄) ₂ ·H ₂ O. Journal of Power Sources, 2007, 169, 355-360.	4.0	29
64	Photoluminescence Studies on Eu ²⁺ -Activated Li ₂ SrSiO ₄ a Potential Orange-Yellow Phosphor for Solid-State Lighting. Chemistry of Materials, 2006, 18, 5267-5272.	3.2	238
65	Room temperature synthesis and Li insertion into nanocrystalline rutile TiO ₂ . Electrochemistry Communications, 2006, 8, 1299-1303.	2.3	141
66	Synthesis and electrochemical properties of a new vanadyl phosphate: Li ₄ VO(PO ₄) ₂ . Electrochemistry Communications, 2006, 8, 1558-1562.	2.3	19
67	Phosphides with zinc blende structure as anodes for lithium-ion batteries. Journal of Power Sources, 2006, 156, 594-597.	4.0	23
68	NbSb ₂ as an anode material for Li-ion batteries. Journal of Power Sources, 2006, 159, 336-339.	4.0	14
69	Solid state studies on Bi _{1.7} xHg _x V ₈ O ₁₆ (x=0.4) and magnetic properties of alkali metal inserted AxBi _{1.7} V ₈ O ₁₆ (A=Li and Na) hollandite type phases. Materials Chemistry and Physics, 2006, 96, 22-28.	2.0	2
70	Synthesis, characterization and electrochemical studies on LiCoAsO ₄ . Materials Research Bulletin, 2006, 41, 601-607.	2.7	13
71	Luminescent host lattices, LaInO ₃ and LaGaO ₃ —A reinvestigation of luminescence of d ¹⁰ metal ions. Materials Research Bulletin, 2006, 41, 724-731.	2.7	35
72	Electro-Oxidation of Methanol on TiO ₂ Nanotube Supported Platinum Electrodes. Journal of Nanoscience and Nanotechnology, 2006, 6, 2067-2071.	0.9	47

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73	Intense Red Phosphor for White LEDs Based on Blue GaN LEDs. Journal of the Electrochemical Society, 2006, 153, H54.	1.3	76
74	A Promising Orange-Red Phosphor Under Near UV Excitation. Electrochemical and Solid-State Letters, 2006, 9, H35.	2.2	98
75	Electrochemical reaction of lithium with Zn ₃ P ₂ . Journal of Power Sources, 2005, 144, 204-207.	4.0	37
76	Synthesis and Eu ³⁺ luminescence in new oxysilicates, Al ₃ Bi(SiO ₄) ₃ O and Al ₂ Bi ₂ (SiO ₄) ₃ O [ACa, Sr and Ba] with apatite-related structure. Journal of Solid State Chemistry, 2005, 178, 3284-3292.	1.4	26
77	Nitrogen containing carbon nanotubes as supports for Pt “ Alternate anodes for fuel cell applications. Electrochemistry Communications, 2005, 7, 905-912.	2.3	177
78	Exhibition of structural flexibility of the infinite layer framework of the prototype compound Ca _{0.85} Sr _{0.15} CuO ₂ prepared under ambient conditions. Materials Research Bulletin, 2005, 40, 1460-1467.	2.7	1
79	Influence of isovalent ion substitution on the electrochemical performance of LiCoPO ₄ . Materials Research Bulletin, 2005, 40, 1705-1712.	2.7	50
80	Environmentally benign novel green pigments: Pr _{1-x} Ca _x PO ₄ (x = 0-0.4). Bulletin of Materials Science, 2005, 28, 299-301.	0.8	17
81	White-Light Generation in Sr ₂ SiO ₄ :Eu ²⁺ , Ce ³⁺ under Near-UV Excitation. Journal of the Electrochemical Society, 2005, 152, H152.	1.3	108
82	Intense Red-Emitting Phosphors for White Light Emitting Diodes. Journal of the Electrochemical Society, 2005, 152, H168.	1.3	117
83	Thermal expansion behaviour of sodium zirconium phosphate structure type phosphates containing tin. Materials Research Bulletin, 2004, 39, 475-488.	2.7	11
84	Eu ³⁺ luminescence a structural probe in BiCa ₄ (PO ₄) ₃ O, an apatite related phosphate. Journal of Solid State Chemistry, 2004, 177, 3536-3544.	1.4	52
85	Electrochemical performance of LiMSnO ₄ (M=Fe, In) phases with ramsdellite structure as anodes for lithium batteries. Journal of Solid State Chemistry, 2004, 177, 3981-3986.	1.4	14
86	Solid state studies on K ₂ Ti ₆ -xNbxFe ₂ O ₁₆ (x = 0 and 1) and lithium insertion into K ₂ Ti ₆ M ₂ O ₁₆ (M = Cr, Fe) Tj ETQqO O O rgBT /Overlo	2.8	84
87	⁵⁷ Fe Mössbauer Studies of Sr _{2-x} Ca _x FeReO ₆ Double Perovskite Compounds. , 2003, , 267-272.		0
88	Intergrain magnetoresistance in electron-doped Sr ₂ /FeMoO ₆ . IEEE Transactions on Magnetism, 2002, 38, 2901-2903.	1.2	9
89	Structural and magnetic properties of (Sr _{2-x} Ca _x)FeReO ₆ . Journal of Applied Physics, 2002, 91, 8909.	1.1	48
90	Enhanced magnetoresistance in Sr ₂ FeMoO ₆ by combustion synthesis. Journal of Materials Chemistry, 2002, 12, 2184-2186.	6.7	20

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91	57Fe Mössbauer Studies of Sr _{2-<i>x</i>} Ca _{<i>x</i>} FeReO ₆ Double Perovskite Compounds. <i>Hyperfine Interactions</i> , 2002, 144/145, 267-272.	0.2	3
92	57Fe Mössbauer spectroscopy of HoErFe _{17-<i>x</i>} Ga _{<i>x</i>} Cy compounds. <i>Physical Review B</i> , 2001, 64, .	1.1	6
93	Synthesis and Characterization of New Apatite-Related Phosphates. <i>Journal of Solid State Chemistry</i> , 2000, 149, 133-136.	1.4	29
94	Electron Microscopy and Neutron Diffraction Studies on ErBaSrCu _{3-<i>x</i>} (PO ₄) _{<i>x</i>} O _{<i>y</i>} (<i>x</i> =0.0, 0.10, 0.20). <i>Journal of Solid State Chemistry</i> , 2000, 150, 188-195.	1.4	1
95	Structural, magnetic and exchange interaction studies on R ₂ Fe _{17-<i>x</i>} Ga _{<i>x</i>} (R=Tm, Er and Sm) compounds. <i>Physica B: Condensed Matter</i> , 2000, 291, 159-172.	1.3	8
96	Alkali metal insertion and dielectric studies on anion excess fluorite related mixed oxide Bi ₂ Te ₂ W ₃ O ₁₆ . <i>Materials Chemistry and Physics</i> , 2000, 63, 127-132.	2.0	2
97	Low leachability phosphate lattices for fixation of select metal ions. <i>Materials Research Bulletin</i> , 2000, 35, 1313-1323.	2.7	30
98	Neutron diffraction studies on (Ho _{1-<i>x</i>} Er _{<i>x</i>}) ₂ Fe ₁₅ Ga ₂ Cy compounds. <i>Journal of Applied Physics</i> , 1999, 86, 3290-3294.	1.1	10
99	Recent advances in 2 : 17 and 3 : 29 permanent magnet materials. <i>Bulletin of Materials Science</i> , 1999, 22, 509-517.	0.8	11
100	Synthesis of New Network Phosphates with NZP Structure. <i>Journal of Solid State Chemistry</i> , 1999, 145, 227-234.	1.4	23
101	Investigation of valence states in the perovskite oxides, LaAFeNbO ₆ (A=Ca, Sr). <i>Materials Letters</i> , 1999, 38, 396-400.	1.3	1
102	Title is missing!. <i>Journal of Superconductivity and Novel Magnetism</i> , 1998, 11, 139-140.	0.5	0
103	Title is missing!. <i>Journal of Materials Science</i> , 1998, 33, 1511-1516.	1.7	6
104	Synthesis and leachability studies of NZP and eulytine phases. <i>Waste Management</i> , 1998, 18, 275-279.	3.7	24
105	Effects of oxygen non-stoichiometry and cationic substitutions on the properties of Sr ₂ RuO ₄ + δ . <i>Materials Chemistry and Physics</i> , 1998, 56, 63-69.	2.0	12
106	Studies on Magnetic Properties of MnTi _{11-<i>x</i>} Nb _{<i>x</i>} O ₃ System. <i>Journal of Solid State Chemistry</i> , 1998, 136, 115-119.	1.4	5
107	Observation of magnetic frustration in Dy ₂ Cr ₂ C ₃ system. <i>Solid State Communications</i> , 1998, 105, 169-172.	0.9	0
108	Electronic structure of Sr ₂ RuO ₄ : X-ray fluorescence emission study. <i>Physical Review B</i> , 1998, 57, 1558-1562.	1.1	28

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109	Ionic Conductivity Study on the New High Oxide Conducting Perovskite LaGaO ₃ . Materials Research Society Symposia Proceedings, 1998, 527, 503.	0.1	0
110	Studies On The Intermetallic Semiconductor RuAl ₂ . Materials Research Society Symposia Proceedings, 1998, 512, 245.	0.1	0
111	Semiconducting Molybdenum Pyrochlores for high Temperature Applications. Materials Research Society Symposia Proceedings, 1998, 512, 249.	0.1	0
112	Search for New Semiconductors for High Temperature Applications: The BaPb _{1-x} BixO ₃ System. Materials Research Society Symposia Proceedings, 1998, 512, 423.	0.1	0
113	Enhanced Oxide Ion Diffusion in the Interlanthanide Perovskite LaTmO ₃ . Materials Research Society Symposia Proceedings, 1998, 527, 507.	0.1	2
114	A Study of Diffusion of Li ⁺ in the [NZP] Network. Materials Research Society Symposia Proceedings, 1998, 527, 513.	0.1	0
115	Thermoanalytical investigations on the sol-gel synthesis of YBa ₂ Cu ₃ O _{7-2x} . Journal of Thermal Analysis, 1997, 48, 1051-1067.	0.7	1
116	Evidence of new layered cuprates in the Hg ²⁺ -A ²⁺ -Gd ³⁺ -Cu ²⁺ -O system (A = Ba, Sr). Journal of Materials Chemistry, 1996, 6, 1549-1556.	6.7	1
117	Magnetization and critical state models in YNi ₂ B ₂ C. European Physical Journal D, 1996, 46, 837-838.	0.4	0
118	Synthesis of (BiPb) ₂ Sr ₂ Ca ₂ Cu ₃ O _y Superconductors by the Sol-Gel Process. Journal of Solid State Chemistry, 1996, 126, 55-64.	1.4	5
119	Effect of 3d ion substitution in the RBa ₂ Cu ₃ xMxO ₇ (R=Sm,Dy; M=Fe,Ni and Zn) system: Implications of R ion dependence and disorder. Physical Review B, 1996, 53, 14637-14646.	1.1	21
120	Superconductivity in the Bi - Sr/K - Ca/Na - Cu - O system. Superconductor Science and Technology, 1996, 9, 756-760.	1.8	7
121	Pole figure studies in melt grown Y-Ba-Cu-O samples. Journal of Materials Science Letters, 1995, 14, 1043-1045.	0.5	3
122	Thermodynamic stabilities of ternary oxides in the Ba ²⁺ -Pb ²⁺ -O system by the e.m.f. technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 33, 96-102.	1.7	4
123	On the phase relationships and electrical properties in the CaCl ₂ -CaH ₂ system. Journal of Nuclear Materials, 1995, 223, 72-79.	1.3	28
124	Oxide ion conductivity in some substituted rare earth pyrozoirconates. Solid State Ionics, 1995, 80, 99-110.	1.3	48
125	Effect of La ³⁺ substitution on the structure and superconductivity in TlBa _{2-x} LaxCaCu ₂ O ₇ (x=0.0-1.0). Physical Review B, 1995, 52, 16213-16216.	1.1	17
126	Observation of variable-range hopping up to 900 K in the YLaxBa _{2-x} Cu ₃ O _{7-y} system. Physical Review B, 1995, 52, 16213-16216.	1.1	17

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127	Suppression of superconductivity in the $\text{La}_{1-x}\text{Pr}_x\text{Ba}_{1.7}\text{Sr}_{0.3}\text{Cu}_3\text{O}_7$ (L=Yb and Lu) system: Observation of the hole localization effect. <i>Physical Review B</i> , 1995, 52, 10504-10509.	1.1	2
128	Synthesis of $\text{YBa}_2\text{Cu}_3\text{O}_7$ through different gel routes. <i>Journal of Alloys and Compounds</i> , 1995, 217, 200-208.	2.8	21
129	Tc suppression and conduction mechanisms in $\text{Bi}_{2.1}\text{Sr}_{1.93}\text{Ca}_{0.97}\text{Cu}_2\text{O}_{8+y}$ (R=Pr, Gd, and Er) systems. <i>Physical Review B</i> , 1994, 50, 6929-6938.	1.1	64
130	Orthorhombic-Tetragonal and Semiconductor-Metal Transitions in the $\text{La}_{1-x}\text{Sr}_x\text{RhO}_3$ System. <i>Journal of Solid State Chemistry</i> , 1994, 110, 176-179.	1.4	21
131	Synthesis and Characterization of NZP Phases, $\text{AM}_2\text{M}_3\text{P}_3\text{O}_{12}$. <i>Journal of Solid State Chemistry</i> , 1994, 111, 33-40.	1.4	45
132	High-temperature resistivity and thermopower studies on substituted Bi-2212 and Bi-2201 systems. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 227, 102-108.	0.6	4
133	Effect of pH on the synthesis of $\text{YBa}_2\text{Cu}_3\text{O}_7$ by the sol-gel process. <i>Materials Chemistry and Physics</i> , 1994, 39, 149-156.	2.0	3
134	Effect of variation in frame work composition on the thermal expansivity of NZP phases. <i>Materials Research Bulletin</i> , 1994, 29, 1009-1016.	2.7	31
135	Thermal expansion behaviour of some rare earth oxide pyrochlores. <i>Materials Research Bulletin</i> , 1994, 29, 759-766.	2.7	110
136	Effect of oxide additives on T_c behaviour of $\text{Bi}_{2-x}\text{Sr}_{1-x}\text{Ca}_{0.97}\text{Cu}_2\text{O}_8$ system. <i>Bulletin of Materials Science</i> , 1994, 17, 615-624.	0.8	0
137	Photoelectrochemical studies on the mixed oxides, $\text{A}_6\text{Nb}_8\text{Ti}_2\text{O}_{30}$ (A = Ba, Sr). <i>Bulletin of Materials Science</i> , 1994, 17, 959-965.	0.8	0
138	Structure and Physical Properties of the $\text{LnBa}_2\text{Cu}_2\text{MO}_7$ System (Ln = Rare Earth and Y; M = Ga, Co). <i>Journal of Solid State Chemistry</i> , 1993, 107, 524-538.	1.4	8
139	Thermoanalytical investigation of the formation of $\text{YBa}_2\text{Cu}_3\text{O}_{6.5}$. <i>Thermochimica Acta</i> , 1993, 230, 207-223.	1.2	4
140	Phase formation and superconductivity studies on the $\text{LnBa}_2\text{Cu}_3\text{Ti}_x\text{O}_7$ (Ln = La-Gd, Y) system. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 215, 269-278.	0.6	1
141	Influence of Cu-site substitution on the structure and superconducting properties of the $\text{NdBa}_2\text{Cu}_3\text{M}_x\text{O}_7$ (M=Fe,Co) and $\text{NdBa}_2\text{Cu}_3\text{M}_x\text{O}_7$ (M=Ni,Zn) systems. <i>Physical Review B</i> , 1993, 48, 16727-16736.	1.1	28
142	Superconductivity in the system $\text{Lu}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$. <i>Materials Letters</i> , 1992, 14, 185-188.	1.3	3
143	Structure and superconductivity studies on the Ga doped system, $\text{NdBa}_2\text{Cu}_3\text{Ga}_x\text{O}_7$. <i>Materials Research Bulletin</i> , 1992, 27, 447-457.	2.7	22
144	Structure and superconductivity studies on $\text{LnBa}_2\text{Sr}_x\text{Cu}_3\text{O}_7$ (Ln=Yb and Lu; 0.0 ≤ x ≤ 0.5). <i>Materials Research Bulletin</i> , 1992, 27, 591-602.	2.7	12

#	ARTICLE	IF	CITATIONS
145	STRUCTURE AND SUPERCONDUCTIVITY IN Y-123 AND RELATED COMPOUNDS. , 1991, , 126-155.		0
146	Studies on Li-doped Ca _{0.85} Sr _{0.15} CuO ₂ : the prototype of cuprate family of oxide superconductors. Bulletin of Materials Science, 1991, 14, 315-320.	0.8	1
147	Superconductivity studies on Tl-Th-Sr-Ca-Cu-O system. Bulletin of Materials Science, 1991, 14, 321-325.	0.8	0
148	Superconductivity studies on the M _{1-x} Tl _x Sr _{1-y} Ca _{1-z} Cu _{1-w} O (M = Rare Earth, Sc, Y, Pb, Bi, Th) system. Materials Research Bulletin, 1990, 25, 465-476.	2.7	1
149	Superconductivity studies on Tl _{1-x} M _x Ba _{1-y} Cu _{1-z} O (M = Ce, Th, Pr, Tb, Pb, and Te) system. Journal of Solid State Chemistry, 1990, 88, 177-182.	1.4	2
150	Resistivity, thermopower and single-particle tunneling studies on some zinc-doped yttrium barium copper oxide superconductors. Phase Transitions, 1989, 19, 87-95.	0.6	0
151	Oxygen-enrichment of YBa ₂ Cu ₃ YBa ₂ Cu ₃ O _{7-δ} using the fluidization technique using the fluidization technique. Bulletin of Materials Science, 1989, 12, 63-80.	0.8	1
152	Effect of oxide additives on the properties of high temperature superconductor, YBa ₂ Cu ₃ O ₇ . Bulletin of Materials Science, 1989, 12, 81-93.	0.8	2
153	Effect of chemical substitution and oxide additives on the T _c behaviour of the oxide superconductor, Bi ₄ Sr ₃ Ca ₃ Cu ₄ O ₁₆ . Phase Transitions, 1989, 19, 191-199.	0.6	0
154	Superconductivity behaviour in screen-printed YBa ₂ Cu ₃ O ₇ films. Thin Solid Films, 1988, 164, 119-122.	0.8	3
155	Specific heat of praseodymium doped yttrium barium copper oxide. Solid State Communications, 1988, 67, 391-395.	0.9	28
156	Superconductivity behaviour of screen-printed LnBa ₂ Cu ₃ O ₇ (Ln=Eu, Y) films. Bulletin of Materials Science, 1988, 10, L263-L266.	0.8	0
157	High T _c superconductors based on Y-Ba-Cu-O system. Phase Transitions, 1987, 10, 181-192.	0.6	5
158	Lithium insertion into phases with NZP structure. Journal of the Chemical Society Chemical Communications, 1987, , 814.	2.0	15
159	Metal atom incorporation studies on the phases with NZP structure: δ -NbTiP ₃ O ₁₂ . Journal of Solid State Chemistry, 1987, 70, 101-107.	1.4	38
160	Enhancement of thermopower in the high T _c superconductor YBa ₂ Cu ₃ O ₇ and related compounds. Pramana - Journal of Physics, 1987, 29, L225-L230.	0.9	29
161	Superconductivity Studies on Pure and F-Containing Ln _{1-x} M _x Cu _{1-y} O (Ln=La, Y; M=Sr, Ba) System. Japanese Journal of Applied Physics, 1987, 26, 1079.	0.8	4
162	Superconductivity Studies on the High T _c Phase in the Y _{1-x} Ba _x Cu _{1-y} O System. Japanese Journal of Applied Physics, 1987, 26, 1077.	0.8	6

#	ARTICLE	IF	CITATIONS
163	Condensed phase diagram in the $Pb_{1-x}Bi_xO$ system. Materials Science and Engineering, 1984, 65, L5-L8.	0.1	7
164	Chemical changes during the aging and decomposition of composite solid propellants. Combustion and Flame, 1982, 45, 137-146.	2.8	5