

Leonid O Vasylechko

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.

158
papers

2,159
citations

26
h-index

37
g-index

199
ext. papers

2,483
ext. citations

3.4
avg, IF

4.72
L-index

#	Paper	IF	Citations
158	Luminescence and energy transfer processes in LuNbO ₄ :Bi, Eu. <i>Optical Materials</i> , 2022 , 123, 111948	3.3	0
157	Band Gap Engineering and Trap Depths of Intrinsic Point Defects in RAlO (R = Y, La, Gd, Yb, Lu) Perovskites.. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 26698-26710	3.8	2
156	Phase and structural behavior and photocatalytic properties of new mixed bismuth-praseodymium vanadates. <i>Journal of Solid State Chemistry</i> , 2021 , 296, 122002	3.3	3
155	Magnetic and structural properties of La _{1-x} GdxCoO ₃ compounds. <i>Physica B: Condensed Matter</i> , 2021 , 609, 412848	2.8	0
154	Investigations of LiNb _{1-x} TaxO ₃ Nanopowders Obtained with Mechanochemical Method. <i>Crystals</i> , 2021 , 11, 755	2.3	3
153	Multiple fermion scattering in the weakly coupled spin-chain compound YbAlO. <i>Nature Communications</i> , 2021 , 12, 3599	17.4	1
152	Photoluminescence of the undoped and Bi ³⁺ - Doped Ca ₃ Ga ₂ Ge ₃ O ₁₂ garnets. <i>Journal of Luminescence</i> , 2021 , 235, 118065	3.8	3
151	Origin of luminescence in Bi ³⁺ - doped lanthanide niobates. <i>Journal of Alloys and Compounds</i> , 2021 , 859, 157800	5.7	4
150	Effect of high-energy milling on the structure, some physicochemical and photocatalytic properties of clinoptilolite. <i>Applied Catalysis A: General</i> , 2021 , 610, 117930	5.1	9
149	Understanding the relationship between the local crystal structure and the ferrimagnetic ordering of CoxMn _{3-x} O ₄ (x ∈ [0, 0.5]) solid solutions. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 157256	5.7	1
148	Photostimulated Defect Creation Processes in the Undoped and Bi ³⁺ -Doped Ca ₃ Ga ₂ Ge ₃ O ₁₂ Garnets. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2100080	1.3	0
147	AlO co-doped with Cr and Mn, a dual-emitter probe for multimodal non-contact luminescence thermometry. <i>Dalton Transactions</i> , 2021 , 50, 14820-14831	4.3	0
146	Sol-Gel Combustion Synthesis, Crystal Structure and Luminescence of Cr ³⁺ and Mn ⁴⁺ Ions in Nanocrystalline SrAl ₄ O ₇ . <i>Inorganics</i> , 2021 , 9, 89	2.9	0
145	Effects of Temperature and Pressure on the Magnetic Properties of La _{1-x} PrxCoO ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000085	1.3	1
144	Reentrant spin-glass behaviour in highly frustrated Mn-rich spinel zinc manganate. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 245802	1.8	1
143	Anomalous High Temperature Structural Behavior of Potential Multifunctional Material SmCo _{0.5} Cr _{0.5} O ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1138-1143	1.3	
142	PrCo _{1-x} FexO ₃ perovskite powders for possible photocatalytic applications. <i>Research on Chemical Intermediates</i> , 2020 , 46, 1909-1930	2.8	6

141	Exciton-like luminescence of Bi ³⁺ -doped yttrium niobate. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 463, 7-15	1.2	6
140	Exchange interactions and the nature of magnetic ordering in Zn _{0.6} Mn _{2.4} O ₄ particles. <i>Physica B: Condensed Matter</i> , 2020 , 599, 412460	2.8	
139	Mn luminescence of Gd(Zn,Mg)BO pentaborate under high pressure. <i>Dalton Transactions</i> , 2020 , 49, 14268-14279	4.3	11
138	The effect of temperature and pressure on the spin state of cobalt ions in La _{1-x} Pr _x CoO ₃ compounds. <i>Low Temperature Physics</i> , 2020 , 46, 606-614	0.7	2
137	Antiferromagnetic ordering and dipolar interactions of YbAlO ₃ . <i>Physical Review B</i> , 2019 , 99,	3.3	11
136	Crystal structure and luminescence studies of microcrystalline GGG:Bi ³⁺ and GGG:Bi ³⁺ ,Eu ³⁺ as a UV-to-VIS converting phosphor for white LEDs. <i>Journal of Luminescence</i> , 2019 , 213, 278-289	3.8	15
135	Photoluminescence origin in Bi ³⁺ - doped YVO ₄ , LuVO ₄ , and GdVO ₄ orthovanadates. <i>Journal of Luminescence</i> , 2019 , 212, 52-60	3.8	19
134	Tomonaga-Luttinger liquid behavior and spinon confinement in YbAlO. <i>Nature Communications</i> , 2019 , 10, 698	17.4	27
133	Electronic and Magnetic Properties of RMO ₃ (M Co, Fe) Perovskites: a First Principle Study. <i>Journal of Nano- and Electronic Physics</i> , 2019 , 11, 05032-1-05032-5	1.5	5
132	Tb ³⁺ to Cr ³⁺ energy transfer in a co-doped Y ₃ Al ₅ O ₁₂ host. <i>Journal of Luminescence</i> , 2019 , 208, 327-333	3.8	11
131	Magnetic properties of RCoO ₃ cobaltites (R = La, Pr, Nd, Sm, Eu). Effects of hydrostatic and chemical pressure. <i>Physica B: Condensed Matter</i> , 2019 , 553, 80-87	2.8	11
130	Synthesis and Electrochemical Performances of KCoPO ₄ Nanocrystals as Promising Electrode for Aqueous Supercapatteries. <i>ChemElectroChem</i> , 2019 , 6, 369-377	4.3	7
129	SorptionLuminescence method for determination of europium using acid-modified clinoptilolite. <i>Applied Nanoscience (Switzerland)</i> , 2019 , 9, 1145-1153	3.3	3
128	Sol-gel synthesis, structural refinement, and electrochemical properties of potassium manganese phosphate for supercapacitors. <i>Ionics</i> , 2018 , 24, 2073-2082	2.7	8
127	Synthesis and characterization of perovskite-type La _{1-y} CayMn _{1-x} B [?] xO ₃ nanomaterials (B [?] = Ni, Fe; x = 0.2, 0.5; y = 0.4, 0.25). <i>Solid State Sciences</i> , 2018 , 76, 118-128	3.4	
126	Interweaved Nickel Phosphide Sponge as an Electrode for Flexible Supercapattery and Water Splitting Applications. <i>ACS Applied Energy Materials</i> , 2018 , 1, 78-92	6.1	37
125	Compositional evolution of the NaZn structure motif in the systems La-Ni-Ga and Ce-Ni-Ga. <i>Dalton Transactions</i> , 2018 , 47, 12951-12963	4.3	2
124	Thermal Behaviour of PrCo _{1-x} FexO ₃ Probed by X-ray Synchrotron Powder Diffraction and Impedance Spectroscopy Measurements. <i>Acta Physica Polonica A</i> , 2018 , 133, 798-801	0.6	1

123	Synthesis and Structure Characterisation of Micro-and Nanocrystalline Powders of Dy _{1-x} R _x FeO ₃ (R = La, Pr, Nd, Sm, Gd). <i>Acta Physica Polonica A</i> , 2018 , 133, 802-805	0.6	1
122	Nanocomposite Ceramics on the Basis of Magnesium, Cerium, and Samarium Oxides. <i>Russian Journal of Electrochemistry</i> , 2018 , 54, 1176-1185	1.2	3
121	New Mixed Y _{0.5} R _{0.5} VO ₄ and RVO ₄ :Bi Materials: Synthesis, Crystal Structure and Some Luminescence Properties. <i>Inorganics</i> , 2018 , 6, 94	2.9	8
120	Improved electrochemical performances of LiMnPO ₄ synthesized by a hydrothermal method for Li-ion supercapatteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 18553-18565	2.1	8
119	The first-principles study of CoSb ₂ O ₄ and its electrochemical properties for supercapacitors. <i>Electrochimica Acta</i> , 2018 , 283, 949-958	6.7	
118	Structure Peculiarities of Micro- and Nanocrystalline Perovskite Ferrites La Sm FeO. <i>Nanoscale Research Letters</i> , 2017 , 12, 153	5	7
117	Sorption-luminescence method for determination of terbium using Transcarpathian clinoptilolite. <i>Talanta</i> , 2017 , 174, 486-492	6.2	11
116	Peculiarities of ionic conduction in Li _{0.5} □ _{1/2} NayLa _{0.5} Nb ₂ O ₆ system at high temperatures. <i>Solid State Ionics</i> , 2017 , 300, 86-90	3.3	3
115	Structural, magnetic, dielectric and mechanical properties of (Ba,Sr)MnO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 1477-1486	6	8
114	Anomalous Thermal Expansion of HoCoCrO Probed by X-ray Synchrotron Powder Diffraction. <i>Nanoscale Research Letters</i> , 2017 , 12, 442	5	3
113	Facile Hydrothermal Synthesis and First Principle Computational Studies of NiSb ₂ O ₄ and Its Electrochemical Properties with Ni ₃ (Fe(CN) ₆) ₂ (H ₂ O) for Hybrid Supercapacitors. <i>ChemistrySelect</i> , 2017 , 2, 6823-6832	1.8	3
112	Structural Behaviour of Solid Solutions in the NdAlO ₃ -SrTiO ₃ System. <i>Nanoscale Research Letters</i> , 2017 , 12, 148	5	2
111	Concentration- and temperature-induced phase transitions in NdAlO ₃ □ _{1/2} AlO ₃ and NdAlO ₃ DyAlO ₃ systems. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 667-673	5.7	
110	X-ray and dielectric characterization of Co doped tetragonal BaTiO ₃ ceramics. <i>Phase Transitions</i> , 2017 , 90, 78-85	1.3	3
109	Anomalous Thermal Behaviour of Mixed Cobaltites-Ferrites and Cobaltites-Chromites. <i>Solid State Phenomena</i> , 2016 , 257, 99-102	0.4	1
108	Synthesis and electrochemical performance of Co ₂ TiO ₄ and its core-shell structure of Co ₂ TiO ₄ @C as negative electrodes for Li-ion batteries. <i>RSC Advances</i> , 2016 , 6, 69016-69026	3.7	19
107	Sol-Gel-Prepared Nanoparticles of Mixed Praseodymium Cobaltites-Ferrites. <i>Nanoscale Research Letters</i> , 2016 , 11, 75	5	11
106	Thermal Behaviour of Sm _{0.5} R _{0.5} FeO ₃ (R = Pr, Nd) Probed by High-Resolution X-ray Synchrotron Powder Diffraction. <i>Nanoscale Research Letters</i> , 2016 , 11, 107	5	4

105	Concentration- and Temperature-Induced Phase Transitions in PrAlO ₃ -SrTiO ₃ System. <i>Nanoscale Research Letters</i> , 2016 , 11, 17	5	6
104	Hexamethylenetetramine assisted hydrothermal synthesis of BiPO ₄ and its electrochemical properties for supercapacitors. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 86, 11-18	3.9	27
103	Influence of pH and fuels on the combustion synthesis, structural, morphological, electrical and magnetic properties of CoFe ₂ O ₄ nanoparticles. <i>Materials Research Bulletin</i> , 2015 , 71, 122-132	5.1	15
102	Effect of carbon coating on the electrochemical properties of Bi ₂ WO ₆ nanoparticles by PVP-assisted sonochemical method. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 473-485	2.6	8
101	Structural Behaviour of Solid Solution in the SmAlO ₃ -TbAlO ₃ System. <i>Solid State Phenomena</i> , 2015 , 230, 39-44	0.4	2
100	Structural Behaviour of EuCoO ₃ and Mixed Cobaltites-Ferrites EuCo _{1-x} Fe _x O ₃ . <i>Solid State Phenomena</i> , 2015 , 230, 31-38	0.4	6
99	Hydrothermal synthesis and characterization of Co _{2.85} Si _{0.15} O ₄ solid solutions and its carbon composite as negative electrodes for Li-ion batteries. <i>Electrochimica Acta</i> , 2015 , 158, 446-456	6.7	16
98	Physical properties of (1-x)Ba _{0.95} Pb _{0.05} TiO ₃ +xCo ₂ O ₃ (x=0, 0.1, 0.3, 0.5, 1.0, 2.0wt%) ceramics. <i>Ceramics International</i> , 2015 , 41, 3983-3991	5.1	6
97	Electrical and electrochemical properties of molten-salt-synthesized 0.05 mol Zr- and Si-doped Li ₄ Ti ₅ O ₁₂ microcrystals. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 647-654	2.6	17
96	Effect of cobalt doping on the dielectric response of Ba _{0.95} Pb _{0.05} TiO ₃ ceramics. <i>Journal of Electroceramics</i> , 2014 , 32, 92-101	1.5	13
95	Phase and structural behaviour in the SmAlO ₃ -TbAlO ₃ system 2014 ,		1
94	k=0 magnetic structure and absence of ferroelectricity in SmFeO ₃ . <i>Physical Review Letters</i> , 2014 , 113, 217203	7.4	86
93	Surfactant assisted sonochemical synthesis of Bi ₂ WO ₆ nanoparticles and their improved electrochemical properties for use in pseudocapacitors. <i>RSC Advances</i> , 2014 , 4, 4343-4352	3.7	14
92	Phase and structural behavior of SmAlO ₃ -RAlO ₃ (R=Eu, Gd) systems. <i>Materials Research Bulletin</i> , 2014 , 50, 509-513	5.1	8
91	Synthesis, crystal structure and pseudocapacitor electrode properties of Bi ₂ MoO ₆ nanoplates. <i>Solid State Sciences</i> , 2014 , 35, 18-27	3.4	41
90	Synthesis and electrochemical performances of maricite-NaMPO ₄ (M = Ni, Co, Mn) electrodes for hybrid supercapacitors. <i>RSC Advances</i> , 2014 , 4, 53192-53200	3.7	76
89	Phase and shape dependent electrochemical properties of BiPO ₄ by PVP assisted hydrothermal method for pseudocapacitors. <i>RSC Advances</i> , 2014 , 4, 65184-65194	3.7	26
88	Phase and Crystal Structure Behaviour of Bi _{1-x} R _x FeO ₃ (R = Er, Tm, Yb). <i>Solid State Phenomena</i> , 2013 , 200, 100-107	0.4	2

87	Thermal Expansion, Oxygen Non-Stoichiometry and Diffusion Mobility in some Ferrites-Nickelites. <i>Solid State Phenomena</i> , 2013 , 200, 86-92	0.4	1
86	In-situ investigation of the thermal decomposition of clathrate-I Ba ₆ Si ₄₆ . <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 225-228	3.9	9
85	Synthesis of Bi ₂ WO ₆ nanoparticles and its electrochemical properties in different electrolytes for pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2013 , 109, 720-731	6.7	113
84	Thermal behaviour of crystal and domain structure of LSGMn-05 anode material for SOFC. <i>Solid State Ionics</i> , 2013 , 240, 29-33	3.3	
83	Lattice crossover and phase transitions in NdAlO ₃ /EuAlO ₃ system. <i>Journal of Solid State Chemistry</i> , 2013 , 198, 101-107	3.3	7
82	Low Temperature Crystal Structure Behaviour of Complex Yttrium Aluminium Oxides YAlO ₃ and Y ₃ Al ₅ O ₁₂ . <i>Acta Physica Polonica A</i> , 2013 , 124, 329-335	0.6	13
81	Phase and Structural Behaviour in the NdAlO ₃ -EuAlO ₃ System. <i>Solid State Phenomena</i> , 2013 , 200, 93-99	0.4	3
80	Order/disorder in YbNi _{1-x} Ga _{2x} (x=0.08): Crystal structure, thermal expansion and magnetic properties. <i>Solid State Sciences</i> , 2012 , 14, 746-760	3.4	6
79	Physical Properties of Ba _{0.95} Pb _{0.05} TiO ₃ +0.1%Co ₂ O ₃ . <i>Ferroelectrics</i> , 2012 , 436, 62-71	0.6	4
78	Influence of cation substitution on spin-state transitions in mixed RE cobaltites and chromites 2012		3
77	Crystal structure and luminescent properties of nanocrystalline YAG and YAG:Nd synthesized by sol-gel method. <i>Optical Materials</i> , 2012 , 34, 1984-1989	3.3	17
76	Crystal and twin structure in LSGMn crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012 , 68, s181-s181		
75	Nanoporous titanium borophosphates with rigid gainesite-type framework structure. <i>Chemical Communications</i> , 2011 , 47, 11695-6	5.8	4
74	Intercalation processes influence the structure and electrophysical properties of lithium-conducting compounds having defect perovskite structure. <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 93-98	1.5	5
73	Elasticity and equation of state of Li ₂ B ₄ O ₇ . <i>Physics and Chemistry of Minerals</i> , 2011 , 38, 561-567	1.6	12
72	Thermal structural properties of calcium tungstate. <i>Journal of Applied Crystallography</i> , 2011 , 44, 319-326	3.8	18
71	Low-temperature crystal structure, specific heat, and dielectric properties of lithium tetraborate Li ₂ B ₄ O ₇ . <i>Journal of Applied Physics</i> , 2010 , 108, 093524	2.5	24
70	Thermal changes of the crystal structure and the influence of thermo-chemical annealing on the optical properties of YbAlO ₃ crystals. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 055902	1.8	8

69	High-pressure High-temperature Synthesis, Magnetic Properties and X-ray Absorption Spectroscopy of Phases RE ₃ Sn ₇ and hp-RESn ₃ (RE = Tb, Ho, Er) <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1695-1702	1.3	5
68	Phase and Structural Behaviour of the PrAlO ₃ -SmAlO ₃ System. <i>Acta Physica Polonica A</i> , 2010 , 117, 98-103.	6	6
67	Preparation and crystal structure of new perovskite-type cobaltites R _{1-x} R ₂ CoO ₃ . <i>Chemistry of Metals and Alloys</i> , 2010 , 3, 184-190	1	7
66	Chapter 242 Perovskite-Type Aluminates and Gallates. <i>Fundamental Theories of Physics</i> , 2009 , 39, 113-295.	8	44
65	Anomalous thermal expansion in rare-earth gallium perovskites: a comprehensive powder diffraction study. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 145405	1.8	14
64	Phase and structural behaviour of the PrAlO ₃ -LaAlO ₃ pseudo-binary system. <i>Radiation Physics and Chemistry</i> , 2009 , 78, S97-S100	2.5	10
63	Chevron-like twin pattern in crystals of solid oxide electrolytes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 1178-1181		2
62	Crystal structures, thermal expansion and phase transitions of mixed Pr _{1-x} La _x AlO ₃ perovskites. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 1008-1011		4
61	Order-disorder transition and valence state of ytterbium in Yb _{1-x} AuxGa ₂ (0.26 ≤ x ≤ 0.31). <i>Journal of Solid State Chemistry</i> , 2009 , 182, 3374-3382	3.3	3
60	Correlation between thermodynamic and thermomechanical quantities of selected perovskite-type oxides. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 468-472	5.7	1
59	Solid state synthesis, structure and transport properties of compositions in the CaRu _{1-x} Ti _x O ₃ system. <i>Journal of Alloys and Compounds</i> , 2009 , 485, 73-81	5.7	4
58	Electrical conductivity and oxygen nonstoichiometry in the double B mixed La _{0.6} Ca _{0.4} Mn _{1-x} CoxO ₃ perovskite system. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 577-584	5.7	16
57	Crystal structure of ZnWO ₄ scintillator material in the range of 3-1423 K. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 325402	1.8	32
56	Structure, luminescence and scintillation properties of the MgWO ₄ -MgMoO ₄ system. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 365219	1.8	39
55	Transport properties of the double B mixed perovskite series La _{0.6} Ca _{0.4} Mn _{1-x} NixO ₃ with x=0-0.6. <i>Solid State Ionics</i> , 2008 , 179, 135-142	3.3	10
54	Electrical conductivity and oxygen non-stoichiometry of the double B mixed perovskite series La _{0.6} Ca _{0.4} Mn _{1-x} Me _x O ₃ with Me=Fe, Co, Ni and x=0-0.6. <i>Solid State Ionics</i> , 2008 , 179, 1101-1107	3.3	7
53	Crystalline electric field and lattice contributions to thermodynamic properties of PrGaO ₃ : specific heat and thermal expansion. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 156214	1.8	7
52	CeAlO ₃ and Ce _{1-x} R _x AlO ₃ (R=La, Nd) solid solutions: Crystal structure, thermal expansion and phase transitions. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1277-1290	3.3	61

51	Effect of Ca doping on the structure and scintillation properties of ZnWO ₄ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 730-736	1.6	28
50	Luminescence of K _{1-x} Rb _x CaF ₃ upon the outermost 3p K ⁺ and 4p Rb ⁺ core ionization. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 3303-3307	1.3	1
49	Potential New Solid Oxide Fuel Cell (SOFC) Anode Materials in the La-Ca-Cr-Ti-Ru-O System. <i>Fuel Cells</i> , 2006 , 6, 293-302	2.9	9
48	Thermal properties of CaMoO ₄ : Lattice dynamics and synchrotron powder diffraction studies. <i>Physical Review B</i> , 2006 , 73,	3.3	41
47	Valence behaviour of ytterbium in YbNiGa ₄ . <i>Journal of Alloys and Compounds</i> , 2006 , 416, 35-42	5.7	14
46	A-site deficient perovskite-type compounds in the ternary CaTiO ₃ -LaCrO ₃ -La _{2/3} TiO ₃ system. <i>Journal of Alloys and Compounds</i> , 2006 , 419, 271-280	5.7	24
45	Computational study of LnGaO ₃ (Ln = La, Gd) perovskites. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6217-6234	1.8	22
44	Crystal structure and thermal expansion of PrGaO ₃ in the temperature range 12–253 K. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 270-278	3.3	25
43	Structure, Thermal Expansion and Phase Transition in La _{0.92} Sr _{0.08} Ga _{0.92} Ti _{0.08} O ₃ Single Crystal 2005 , 287-293		
42	CaTiO ₃ -LaCrO ₃ -CaCrO ₃ and CaTiO ₃ -LaCrO ₃ -La _{2/3} TiO ₃ Quasi-Ternary Systems 2005 , 373-380		
41	Configuration of Twin Walls in LSGMO 2005 , 135-147		4
40	The crystal structure and thermal expansion of the perovskite-type Nd _{0.75} Sm _{0.25} GaO ₃ : powder diffraction and lattice dynamical studies. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 253-265	1.8	16
39	Lanthanum-calcium chromites-titanates as possible anode materials for SOFC. <i>Solid State Ionics</i> , 2004 , 175, 151-155	3.3	15
38	Crystal structure and electrical conductivity of lanthanum-calcium chromites-titanates La _{1-x} Ca _x Cr _{1-y} Ti _y O ₃ (x=0–1, y=0–1). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3784-3794	3.3	26
37	Thermal expansion of the perovskite-type NdGaO ₃ . <i>Journal of Alloys and Compounds</i> , 2004 , 382, 84-91	5.7	26
36	LSGM Single Crystals: Crystal Structure, Thermal Expansion, Phase Transitions and Conductivity 2004 , 231-237		1
35	White beam synchrotron X-ray topography studies of twinning in GdFeO ₃ -type perovskite crystals. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003 , 218,	1	6
34	Crystal structure, thermal expansion and conductivity of anisotropic La _{1-x} Sr _x Ga _{1-x} Mg _{2x} O ₃ (x=0.05, 0.1) single crystals. <i>Journal of Solid State Chemistry</i> , 2003 , 172, 396-411	3.3	49

33	Synthesis, crystal structure, oxygen stoichiometry, and electrical conductivity of $\text{La}_{1-x}\text{Ca}_x\text{Cr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ <i>Solid State Ionics</i> , 2003 , 158, 317-325	3.3	19
32	Adsorption of cadmium on acid-modified Transcarpathian clinoptilolite. <i>Microporous and Mesoporous Materials</i> , 2003 , 60, 183-196	5.3	62
31	Twinning in $\text{La}_{0.95}\text{Sr}_{0.05}\text{Ga}_{0.9}\text{Mg}_{0.1}\text{O}_{2.92}$ crystal studied by white-beam (Laue) X-ray microdiffraction. <i>Journal of Applied Crystallography</i> , 2003 , 36, 1197-1203	3.8	13
30	Synthesis, crystal structure, and transport properties of $\text{La}_{1-x}\text{Ca}_x\text{Cr}_{0.5}\text{Ti}_{0.5}\text{O}_3$ <i>Solid State Ionics</i> , 2003 , 159, 279-292	3.3	18
29	Crystal structure, magnetic behaviour and valence state of ytterbium in the $\text{Yb}_4\text{Ni}_{10+x}\text{Ga}_{21-x}$ phase. <i>Journal of Alloys and Compounds</i> , 2003 , 350, 9-16	5.7	10
28	Lanthanum doped calcium titanates: synthesis, crystal structure, thermal expansion and transport properties. <i>Journal of Alloys and Compounds</i> , 2003 , 354, 13-23	5.7	41
27	Low-temperature structural and Raman studies on rare-earth gallates. <i>Physical Review B</i> , 2003 , 68,	3.3	35
26	Growth and properties of $\text{YAlO}_3:\text{Tm}$ single crystals for 2- μm laser operation. <i>Journal of Crystal Growth</i> , 2002 , 241, 455-462	1.6	17
25	Synthesis, crystal structure, oxygen stoichiometry, and electrical conductivity of $\text{La}_{1-x}\text{Ca}_x\text{Cr}_{0.8}\text{Ti}_{0.2}\text{O}_3$ solid solutions. <i>Journal of Alloys and Compounds</i> , 2002 , 340, 263-269	5.7	6
24	Common Features of Gallium Perovskites. <i>Crystal Research and Technology</i> , 2001 , 36, 789-800	1.3	14
23	Growth and structural investigations of $\text{La}_{1-x}\text{Pr}_x\text{GaO}_3$ solid solution single crystals. <i>Journal of Crystal Growth</i> , 2001 , 222, 194-201	1.6	25
22	R-3c/bnm phase transition of $\text{La}_{1-x}\text{Sm}_x\text{GaO}_3$ (0. <i>Solid State Ionics</i> , 2001 , 143, 219-227	3.3	18
21	Room and high temperature structure of $\text{La}_{1-x}\text{Nd}_x\text{GaO}_3$ ($x=0.27$ and 0.37) perovskites determined by synchrotron powder X-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2001 , 328, 264-271	5.7	8
20	Domain structure in (La, Pr) GaO_3 solid solutions. <i>Ferroelectrics</i> , 2001 , 254, 121-134	0.6	2
19	Twin Structure of (La, Nd) GaO_3 Solid Solutions. <i>Crystal Research and Technology</i> , 2000 , 35, 53-63	1.3	3
18	Czochralski growth and structural investigations of $\text{La}_{1-x}\text{Nd}_x\text{GaO}_3$ solid solution single crystals. <i>Journal of Crystal Growth</i> , 2000 , 209, 75-80	1.6	30
17	Growth and properties of $\text{YAlO}_3:\text{Nd}$ single crystals. <i>Journal of Crystal Growth</i> , 2000 , 209, 874-882	1.6	20
16	Crystal structure of $\text{La}_{1-x}\text{Nd}_x\text{GaO}_3$ single crystals (0 <i>Materials Research Bulletin</i> , 2000 , 35, 333-340	5.1	8

15	The crystal structure of NdGaO ₃ at 100 K and 293 K based on synchrotron data. <i>Journal of Alloys and Compounds</i> , 2000 , 297, 46-52	5.7	61
14	Structure peculiarities of the La _{1-x} Nd _x GaO ₃ solid solutions. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 471-474	5.7	15
13	Crystal structure and optical spectroscopy of CaGdAlO ₄ :Er single crystal. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 475-478	5.7	14
12	Structure, sound velocity, and thermal conductivity of the perovskite NdGaO ₃ . <i>Low Temperature Physics</i> , 2000 , 26, 370-374	0.7	13
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10	Crystal structure of GdFeO ₃ -type rare earth gallates and aluminates. <i>Journal of Alloys and Compounds</i> , 1999 , 291, 57-65	5.7	46
9	Adsorption of Copper on Transcarpathian Clinoptilolite. <i>Adsorption Science and Technology</i> , 1999 , 17, 125-134	3.6	27
8	Design of solid solutions with perovskite and K ₂ NiF ₄ structures as substrate with tunable lattice parameters for HTSC and CMR epitaxy 1999 , 3724, 2		6
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