

Leonid O Vasylechko

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#	Paper	IF	Citations
158	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
157	k=0 magnetic structure and absence of ferroelectricity in SmFeO ₃ . <i>Physical Review Letters</i> , 2014 , 113, 217203	7.4	86
156	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
155	Adsorption of cadmium on acid-modified Transcarpathian clinoptilolite. <i>Microporous and Mesoporous Materials</i> , 2003 , 60, 183-196	5.3	62
154	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
153	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
152	Crystal structure, thermal expansion and conductivity of anisotropic La _{1-x} Sr _x Ga _{1-2x} 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
151	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
150	Chapter 242 Perovskite-Type Aluminates and Gallates. <i>Fundamental Theories of Physics</i> , 2009 , 39, 113-295.8		44
149	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
148	Thermal properties of CaMoO ₄ : Lattice dynamics and synchrotron powder diffraction studies. <i>Physical Review B</i> , 2006 , 73,	3.3	41
147	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
146	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
145	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
144	Crystal structure of LaGaO ₃ and (La,Gd)GaO ₃ solid solutions. <i>Journal of Alloys and Compounds</i> , 1999 , 286, 213-218	5.7	36
143	The crystal structure and twinning of neodymium gallium perovskite single crystals. <i>Superconductor Science and Technology</i> , 1994 , 7, 766-772	3.1	36
142	Low-temperature structural and Raman studies on rare-earth gallates. <i>Physical Review B</i> , 2003 , 68,	3.3	35

141	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
140	Czochralski growth and structural investigations of La _{1-x} Nd _x GaO ₃ solid solution single crystals. <i>Journal of Crystal Growth</i> , 2000 , 209, 75-80	1.6	30
139	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
138	Tomonaga-Luttinger liquid behavior and spinon confinement in YbAlO. <i>Nature Communications</i> , 2019 , 10, 698	17.4	27
137	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
136	Adsorption of Copper on Transcarpathian Clinoptilolite. <i>Adsorption Science and Technology</i> , 1999 , 17, 125-134	3.6	27
135	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
134	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
133	Thermal expansion of the perovskite-type NdGaO ₃ . <i>Journal of Alloys and Compounds</i> , 2004 , 382, 84-91	5.7	26
132	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
131	Growth and structural investigations of La _{1-x} Pr _x GaO ₃ solid solution single crystals. <i>Journal of Crystal Growth</i> , 2001 , 222, 194-201	1.6	25
130	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
129	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
128	Computational study of LnGaO ₃ (Ln = La, Nd) perovskites. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6217-6234	1.8	22
127	Adsorption of Copper on Transcarpathian Mordenite. <i>Adsorption Science and Technology</i> , 1996 , 14, 267-278	2.7	21
126	Growth and properties of YAlO ₃ :Nd single crystals. <i>Journal of Crystal Growth</i> , 2000 , 209, 874-882	1.6	20
125	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
124	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

123	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
122	Thermal structural properties of calcium tungstate. <i>Journal of Applied Crystallography</i> , 2011 , 44, 319-326	3.8	18
121	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
120	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
119	Electrical and electrochemical properties of molten-salt-synthesized 0.05 mol Zr- and Si-doped $\text{Li}_4\text{Ti}_5\text{O}_{12}$ microcrystals. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 647-654	2.6	17
118	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
117	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
116	Hydrothermal synthesis and characterization of $\text{Co}_{2.85}\text{Si}_{0.15}\text{O}_4$ solid solutions and its carbon composite as negative electrodes for Li-ion batteries. <i>Electrochimica Acta</i> , 2015 , 158, 446-456	6.7	16
115	Electrical conductivity and oxygen nonstoichiometry in the double B mixed $\text{La}_{0.6}\text{Ca}_{0.4}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ perovskite system. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 577-584	5.7	16
114	The crystal structure and thermal expansion of the perovskite-type $\text{Nd}_{0.75}\text{Sm}_{0.25}\text{GaO}_3$: powder diffraction and lattice dynamical studies. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 253-265	1.8	16
113	Crystal structure and luminescence studies of microcrystalline $\text{GGG}:\text{Bi}^{3+}$ and $\text{GGG}:\text{Bi}^{3+},\text{Eu}^{3+}$ as a UV-to-VIS converting phosphor for white LEDs. <i>Journal of Luminescence</i> , 2019 , 213, 278-289	3.8	15
112	Influence of pH and fuels on the combustion synthesis, structural, morphological, electrical and magnetic properties of CoFe_2O_4 nanoparticles. <i>Materials Research Bulletin</i> , 2015 , 71, 122-132	5.1	15
111	Lanthanum-calcium chromites-titanates as possible anode materials for SOFC. <i>Solid State Ionics</i> , 2004 , 175, 151-155	3.3	15
110	Structure peculiarities of the $\text{La}_{1-x}\text{Nd}_x\text{GaO}_3$ solid solutions. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 471-474	5.7	15
109	Surfactant assisted sonochemical synthesis of Bi_2WO_6 nanoparticles and their improved electrochemical properties for use in pseudocapacitors. <i>RSC Advances</i> , 2014 , 4, 4343-4352	3.7	14
108	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
107	Valence behaviour of ytterbium in YbNiGa_4 . <i>Journal of Alloys and Compounds</i> , 2006 , 416, 35-42	5.7	14
106	Common Features of Gallium Perovskites. <i>Crystal Research and Technology</i> , 2001 , 36, 789-800	1.3	14

105	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
104	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
103	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
102	Twinning in La _{0.95} Sr _{0.05} Ga _{0.9} Mg _{0.1} 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
101	Structure, sound velocity, and thermal conductivity of the perovskite NdGaO ₃ . <i>Low Temperature Physics</i> , 2000 , 26, 370-374	0.7	13
100	CeNi ₃ -type ternary phases in the R ₂ Ni ₃ Ga systems (R = Y, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). <i>Journal of Alloys and Compounds</i> , 1995 , 219, 222-224	5.7	13
99	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
98	Sorption-luminescence method for determination of terbium using Transcarpathian clinoptilolite. <i>Talanta</i> , 2017 , 174, 486-492	6.2	11
97	Antiferromagnetic ordering and dipolar interactions of YbAlO ₃ . <i>Physical Review B</i> , 2019 , 99,	3.3	11
96	Sol-Gel-Prepared Nanoparticles of Mixed Praseodymium Cobaltites-Ferrites. <i>Nanoscale Research Letters</i> , 2016 , 11, 75	5	11
95	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
94	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
93	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
92	Transport properties of the double B mixed perovskite series La _{0.6} Ca _{0.4} Mn _{1-x} Ni _x O ₃ with x=0-0.6. <i>Solid State Ionics</i> , 2008 , 179, 135-142	3.3	10
91	Crystal structure, magnetic behaviour and valence state of ytterbium in the Yb ₄ Ni _{10+x} Ga ₂₁ phase. <i>Journal of Alloys and Compounds</i> , 2003 , 350, 9-16	5.7	10
90	Crystal structure of the compound Y _{0.5} Er _{0.5} AlO ₃ . <i>Journal of Alloys and Compounds</i> , 1996 , 242, 18-21	5.7	10
89	Effects of ionizing radiation on the optical absorption of LiNbO ₃ and YAlO ₃ single crystals. <i>Journal of Crystal Growth</i> , 1996 , 169, 98-101	1.6	10
88	In-situ investigation of the thermal decomposition of clathrate-I Ba _{6.2} Si ₄₆ . <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 225-228	3.9	9

87	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
86	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
85	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
84	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
83	Sol-gel synthesis, structural refinement, and electrochemical properties of potassium manganese phosphate for supercapacitors. <i>Ionics</i> , 2018 , 24, 2073-2082	2.7	8
82	Phase and structural behavior of SmAlO ₃ /BaAlO ₃ (R=Eu, Gd) systems. <i>Materials Research Bulletin</i> , 2014 , 50, 509-513	5.1	8
81	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
80	Crystal structure of La _{1-x} NdxGaO ₃ single crystals (0 Materials Research Bulletin, 2000 , 35, 333-340	5.1	8
79	Room and high temperature structure of La _{1-x} NdxGaO 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
78	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
77	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
76	Structure Peculiarities of Micro- and Nanocrystalline Perovskite Ferrites La Sm FeO. <i>Nanoscale Research Letters</i> , 2017 , 12, 153	5	7
75	Lattice crossover and phase transitions in NdAlO ₃ /GdAlO ₃ system. <i>Journal of Solid State Chemistry</i> , 2013 , 198, 101-107	3.3	7
74	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
73	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=0.6. <i>Solid State Ionics</i> , 2008 , 179, 1101-1107	3.3	7
72	Preparation and crystal structure of new perovskite-type cobaltites R _{1-x} R _x CoO ₃ . <i>Chemistry of Metals and Alloys</i> , 2010 , 3, 184-190	1	7
71	Synthesis and Electrochemical Performances of KCoPO ₄ Nanocrystals as Promising Electrode for Aqueous Supercapatteries. <i>ChemElectroChem</i> , 2019 , 6, 369-377	4.3	7
70	Concentration- and Temperature-Induced Phase Transitions in PrAlO ₃ -SrTiO ₃ System. <i>Nanoscale Research Letters</i> , 2016 , 11, 17	5	6

69	Order/disorder in $\text{YbNi}_{1-x}\text{Ga}_2\text{O}_8$ ($x=0.08$): Crystal structure, thermal expansion and magnetic properties. <i>Solid State Sciences</i> , 2012 , 14, 746-760	3.4	6
68	Structural Behaviour of EuCoO_3 and Mixed Cobaltites-Ferrites $\text{EuCo}_{1-x}\text{FexO}_3$. <i>Solid State Phenomena</i> , 2015 , 230, 31-38	0.4	6
67	Physical properties of $(1-x)\text{Ba}_{0.95}\text{Pb}_{0.05}\text{TiO}_3+x\text{Co}_2\text{O}_3$ ($x=0, 0.1, 0.3, 0.5, 1.0, 2.0\text{wt}\%$) ceramics. <i>Ceramics International</i> , 2015 , 41, 3983-3991	5.1	6
66	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
65	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
64	Design of solid solutions with perovskite and K_2NiF_4 structures as substrate with tunable lattice parameters for HTSC and CMR epitaxy 1999 , 3724, 2		6
63	Phase and Structural Behaviour of the PrAlO_3 - SmAlO_3 System. <i>Acta Physica Polonica A</i> , 2010 , 117, 98-103	3.6	6
62	$\text{PrCo}_{1-x}\text{FexO}_3$ perovskite powders for possible photocatalytic applications. <i>Research on Chemical Intermediates</i> , 2020 , 46, 1909-1930	2.8	6
61	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
60	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
59	High-pressure High-temperature Synthesis, Magnetic Properties and X-ray Absorption Spectroscopy of Phases RE_3Sn_7 and hp-RESn_3 ($\text{RE} = \text{Tb, Ho, Er}$) <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1695-1702	1.3	5
58	Electronic and Magnetic Properties of RMO_3 ($\text{M} = \text{Co, Fe}$) Perovskites: a First Principle Study. <i>Journal of Nano- and Electronic Physics</i> , 2019 , 11, 05032-1-05032-5	1.5	5
57	Thermal Behaviour of $\text{Sm}_{0.5}\text{R}_{0.5}\text{FeO}_3$ ($\text{R} = \text{Pr, Nd}$) Probed by High-Resolution X-ray Synchrotron Powder Diffraction. <i>Nanoscale Research Letters</i> , 2016 , 11, 107	5	4
56	Physical Properties of $\text{Ba}_{0.95}\text{Pb}_{0.05}\text{TiO}_3+0.1\%\text{Co}_2\text{O}_3$. <i>Ferroelectrics</i> , 2012 , 436, 62-71	0.6	4
55	Nanoporous titanium borophosphates with rigid gainesite-type framework structure. <i>Chemical Communications</i> , 2011 , 47, 11695-6	5.8	4
54	Crystal structures, thermal expansion and phase transitions of mixed $\text{Pr}_{1-x}\text{LaxAlO}_3$ perovskites. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 1008-1011		4
53	Solid state synthesis, structure and transport properties of compositions in the $\text{CaRu}_{1-x}\text{TixO}_3$ system. <i>Journal of Alloys and Compounds</i> , 2009 , 485, 73-81	5.7	4
52	Origin of luminescence in Bi^{3+} - doped lanthanide niobates. <i>Journal of Alloys and Compounds</i> , 2021 , 859, 157800	5.7	4

51	Configuration of Twin Walls in LSGMO 2005 , 135-147		4
50	Peculiarities of ionic conduction in $\text{Li}_{0.5}\text{YNaYLa}_{0.5}\text{Nb}_2\text{O}_6$ system at high temperatures. <i>Solid State Ionics</i> , 2017 , 300, 86-90	3-3	3
49	Anomalous Thermal Expansion of HoCoCrO Probed by X-ray Synchrotron Powder Diffraction. <i>Nanoscale Research Letters</i> , 2017 , 12, 442	5	3
48	Facile Hydrothermal Synthesis and First Principle Computational Studies of NiSb_2O_4 and Its Electrochemical Properties with $\text{Ni}_3(\text{Fe}(\text{CN})_6)_2(\text{H}_2\text{O})$ for Hybrid Supercapacitors. <i>ChemistrySelect</i> , 2017 , 2, 6823-6832	1.8	3
47	X-ray and dielectric characterization of Co doped tetragonal BaTiO_3 ceramics. <i>Phase Transitions</i> , 2017 , 90, 78-85	1-3	3
46	Influence of cation substitution on spin-state transitions in mixed RE cobaltites and chromites 2012		3
45	Phase and Structural Behaviour in the $\text{NdAlO}_3\text{-EuAlO}_3$ System. <i>Solid State Phenomena</i> , 2013 , 200, 93-99	0.4	3
44	Order-disorder transition and valence state of ytterbium in $\text{YbAuxGa}_2\text{O}_7$ (0.26-1.31). <i>Journal of Solid State Chemistry</i> , 2009 , 182, 3374-3382	3-3	3
43	Twin Structure of (La, Nd) GaO_3 Solid Solutions. <i>Crystal Research and Technology</i> , 2000 , 35, 53-63	1-3	3
42	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
41	Investigations of $\text{LiNb}_{1-x}\text{Ta}_x\text{O}_3$ Nanopowders Obtained with Mechanochemical Method. <i>Crystals</i> , 2021 , 11, 755	2-3	3
40	Photoluminescence of the undoped and Bi^{3+} -Doped $\text{Ca}_3\text{Ga}_2\text{Ge}_3\text{O}_{12}$ garnets. <i>Journal of Luminescence</i> , 2021 , 235, 118065	3-8	3
39	Sorption Luminescence method for determination of europium using acid-modified clinoptilolite. <i>Applied Nanoscience (Switzerland)</i> , 2019 , 9, 1145-1153	3-3	3
38	Nanocomposite Ceramics on the Basis of Magnesium, Cerium, and Samarium Oxides. <i>Russian Journal of Electrochemistry</i> , 2018 , 54, 1176-1185	1.2	3
37	Structural Behaviour of Solid Solution in the $\text{SmAlO}_3\text{-NbAlO}_3$ System. <i>Solid State Phenomena</i> , 2015 , 230, 39-44	0.4	2
36	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
35	Phase and Crystal Structure Behaviour of $\text{Bi}_{1-x}\text{R}_x\text{FeO}_3$ (R = Er, Tm, Yb). <i>Solid State Phenomena</i> , 2013 , 200, 100-107	0.4	2
34	Structural Behaviour of Solid Solutions in the $\text{NdAlO}_3\text{-SrTiO}_3$ System. <i>Nanoscale Research Letters</i> , 2017 , 12, 148	5	2

33	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
32	Synthesis and Crystal Structure of NdCaGaO ₄ . <i>Crystal Research and Technology</i> , 1998 , 33, 841-846	1.3	2
31	Domain structure in (La, Pr)GaO ₃ solid solutions. <i>Ferroelectrics</i> , 2001 , 254, 121-134	0.6	2
30	Crystal structure of R ₁₅ Ni ₉₆ Gax (R = Sm, Y, Tb, Dy, Er, Tm, Yb, Lu). <i>Journal of Alloys and Compounds</i> , 1992 , 185, 19-24	5.7	2
29	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
28	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
27	Effects of Temperature and Pressure on the Magnetic Properties of La _{1-x} Pr _x CoO ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000085	1.3	1
26	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
25	Anomalous Thermal Behaviour of Mixed Cobaltites-Ferrites and Cobaltites-Chromites. <i>Solid State Phenomena</i> , 2016 , 257, 99-102	0.4	1
24	Phase and structural behaviour in the SmAlO ₃ -TbAlO ₃ system 2014 ,		1
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