

Vladimir A Cherepanov

List of Publications by Year in descending order

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125
papers

2,250
citations

236912

25
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265191

42
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131
all docs

131
docs citations

131
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure, electrical and magnetic properties of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. <i>Solid State Ionics</i> , 1995, 80, 189-199.	2.7	297
2	Gd- and Pr-based double perovskite cobaltites as oxygen electrodes for proton ceramic fuel cells and electrolyser cells. <i>Solid State Ionics</i> , 2015, 278, 120-132.	2.7	136
3	Thermodynamic stability of ternary oxides in $\text{Ln}^{2+}_x\text{M}^{2+}_{1-x}\text{O}$ (Ln = La, Pr, Nd; M = Co, Ni, Cu) systems. <i>Journal of Solid State Chemistry</i> , 1988, 77, 1-14.	2.9	82
4	Oxygen nonstoichiometry of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ ($0 < x \leq 0.6$). <i>Journal of Solid State Chemistry</i> , 1990, 87, 69-76.	2.9	81
5	Thermodynamics, defect structure, and charge transfer in doped lanthanum cobaltites: an overview. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 517-537.	2.5	69
6	Oxygen Nonstoichiometry and Crystal and Defect Structure of PrMnO_{3+y} and NdMnO_{3+y} . <i>Journal of Solid State Chemistry</i> , 1995, 118, 53-61.	2.9	66
7	Thermodynamic properties of complex oxides in the La-Ni-O system. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2721-2727.	2.9	62
8	Defect equilibria and partial molar properties of $(\text{La,Sr})(\text{Co,Fe})\text{O}_3$. <i>Solid State Ionics</i> , 2006, 177, 3109-3115.	2.7	57
9	Oxygen nonstoichiometry, thermal expansion and high-temperature electrical properties of layered $\text{NdBaCo}_2\text{O}_{5+\delta}$ and $\text{SmBaCo}_2\text{O}_{5+\delta}$. <i>Materials Research Bulletin</i> , 2010, 45, 1288-1292.	5.2	57
10	Phase Equilibria in the La-Sr-Mn-O System. <i>Journal of Solid State Chemistry</i> , 1997, 134, 38-44.	2.9	44
11	Mixed conductivity, Mössbauer spectra and thermal expansion of $(\text{La,Sr})(\text{Fe,Ni})\text{O}_3$ perovskites. <i>Solid State Ionics</i> , 2008, 179, 2170-2180.	2.7	41
12	Synthesis, crystal structure and properties of SmBaCo_2 and SmBaCo_2 perovskites. <i>Journal of Solid State Chemistry</i> , 2013, 204, 219-223.	2.9	40
13	Structure, nonstoichiometry and thermal expansion of the $\text{NdBa}(\text{Co,Fe})_2\text{O}_{5+\delta}$ layered perovskite. <i>Solid State Ionics</i> , 2011, 188, 53-57.	2.7	39
14	Neutron diffraction, synchrotron radiation and EXAFS spectroscopy study of crystal structure peculiarities of the lanthanum nickelates $\text{La}_{n+1}\text{Ni}_n\text{O}_y$ ($n=1,2,3$). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 470, 202-209.	1.6	37
15	Phase equilibria in the La-Me-Co-O (Me=Ca, Sr, Ba) systems. <i>Ionics</i> , 1998, 4, 309-315.	2.4	34
16	Phase equilibria, crystal structure and oxygen content of intermediate phases in the Y-Ba-Co-O system. <i>Journal of Solid State Chemistry</i> , 2013, 202, 207-214.	2.9	33
17	Phase equilibria in the Ln-Mn-O system (Ln = Pr, Nd) and general aspects of the stability of the perovskite phase LnMeO_3 . <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 229-235.	4.0	32
18	Phase Equilibria in the $\text{LaCoO}_3\text{-LaMnO}_3\text{-BaCoO}_3\text{-BaMnO}_3$ System. <i>Journal of Solid State Chemistry</i> , 2000, 153, 205-211.	2.9	32

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19	Performance of perovskite-related oxide cathodes in contact with lanthanum silicate electrolyte. <i>Solid State Ionics</i> , 2009, 180, 878-885.	2.7	32
20	Effect of calcium and copper/iron co-doping on defect-induced properties of La ₂ NiO ₄ -based materials. <i>Journal of Alloys and Compounds</i> , 2018, 753, 491-501.	5.5	31
21	Phase equilibria and crystal structures of phases in the La-Fe-Ni-O system at 1370 K in air. <i>Inorganic Materials</i> , 2007, 43, 167-175.	0.8	30
22	Crystal structure and physicochemical properties of layered perovskite-like phases LnBaCo ₂ O ₅ + δ . <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 427-432.	0.6	30
23	Nanoscale Ordering in Oxygen Deficient Quintuple Perovskite Sm _{2-μ} Ba _{3+μ} Fe ₅ O _{15-δ} : Implication for Magnetism and Oxygen Stoichiometry. <i>Chemistry of Materials</i> , 2014, 26, 6303-6310.	6.7	29
24	Synthesis, crystal structures and thermal decomposition studies of a series of copper-lanthanoid complexes of 6-methyl-2-pyridone. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 2719-2727.	1.1	28
25	Coherent intergrowth of simple cubic and quintuple tetragonal perovskites in the system Nd ₂ Ba ₃ (Fe,Co) ₅ O ₁₅ . <i>Journal of Solid State Chemistry</i> , 2015, 231, 36-41.	2.9	26
26	Homogeneity range, oxygen nonstoichiometry, thermal expansion and transport properties of La _{2-x} Sr _{x} Ni _{1-y} Fe _{y} O _{4+δ} . <i>RSC Advances</i> , 2016, 6, 72905-72917.	3.6	26
27	Oxygen transport phenomena in (La,Sr) ₂ (Ni,Fe)O ₄ materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5304-5312.	10.3	26
28	Synthesis, oxygen nonstoichiometry and total conductivity of (La,Sr) ₂ (Mn,Ni)O ₄ \pm . <i>Solid State Ionics</i> , 2015, 279, 53-59.	2.7	22
29	Phase equilibria in the La-Ba-Co-O system. <i>Materials Research Bulletin</i> , 1999, 34, 983-988.	5.2	21
30	Phase equilibria, crystal structure, oxygen nonstoichiometry and thermal expansion of complex oxides in the Nd ₂ O ₃ -SrO-Fe ₂ O ₃ system. <i>Journal of Solid State Chemistry</i> , 2017, 251, 70-78.	2.9	21
31	Optical, magnetic and magneto-transport properties of Nd _{1-A} Mn _{0.5} Fe _{0.5} O _{3-δ} (A=Ca, Sr, Ba; $x=0, 0.25$). <i>Journal of Alloys and Compounds</i> , 2020, 847, 156297.	5.5	21
32	Phase equilibria and crystal structure of the complex oxides in the Ln-Ba-Co-O (Ln=Nd, Sm) systems. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2083-2087.	2.9	20
33	Quintuple perovskites Ln ₂ Ba ₃ Fe ₅ x Co _{x} O _{15-δ} (Ln = Sm, Eu): nanoscale ordering and unconventional magnetism. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5398-5405.	5.5	20
34	Phase Equilibria and Structure of Solid Solutions in the La-Ba-Co-Fe-O System at 1100 ^\circ C. <i>Inorganic Materials</i> , 2004, 40, 955-959.	0.8	18
35	Thermochemical characteristics of Lan ₁ NinO _{3n+1} oxides. <i>Thermochimica Acta</i> , 2006, 451, 22-26.	2.7	17
36	Phase equilibria and crystal structures of solid solutions in the system LaCo ₃ δ -SrCo _{2.5} δ -SrFeO ₃ δ -LaFeO ₃ δ . <i>Inorganic Materials</i> , 2007, 43, 296-300.	0.8	17

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37	Ferro-and antiferromagnetic ordering in LaMnO ₃ + δ . Physics of the Solid State, 1999, 41, 91-96.	0.6	16
38	Phase equilibria and crystal structure of the solid solution LaFe _{1-x} Ni _x O ₃ + δ (0 \leq x \leq 1). Progress in Solid State Chemistry, 2007, 35, 233-239.	7.2	16
39	Tuning oxygen content and distribution by substitution at Co site in 112 YBaCo ₂ O ₅ + δ : impact on transport and thermal expansion properties. Journal of Materials Chemistry A, 2014, 2, 8823-8832.	10.3	16
40	High-temperature transport properties, thermal expansion and cathodic performance of Ni-substituted LaSr ₂ Mn ₂ O ₇ + δ . Journal of Solid State Chemistry, 2008, 181, 3024-3032.	2.9	15
41	Phase equilibria, structure and properties of intermediate phases in the Sm ₂ O ₃ + Fe ₂ O ₃ + CoO and Sm ₂ O ₃ + CaO + CoO systems. Journal of Alloys and Compounds, 2017, 718, 288-297.	5.5	15
42	Phase equilibria in the Y + Ba + Fe + O system. Journal of Alloys and Compounds, 2017, 694, 375-382.	5.5	15
43	The phase diagram of the bismuth-calcium oxide system. Materials Research Bulletin, 1994, 29, 1233-1238.	5.2	13
44	Magnetoresistance and Hall effect in La _{0.8} Sr _{0.2} MnO ₃ . Journal of Experimental and Theoretical Physics, 1999, 89, 358-365.	0.9	13
45	Phase equilibria and crystal structures of complex oxides in systems La-M-Fe-O (M = Ca or Sr). Russian Journal of Inorganic Chemistry, 2008, 53, 953-958.	1.3	13
46	Oxygen nonstoichiometry and defect structure of perovskite-type oxides in the La + Sr + Co + (Fe, Ni) + O systems. Solid State Sciences, 2008, 10, 438-443.	3.2	13
47	p(O ₂)-stability of LaFe _{1-x} Ni _x O ₃ + δ solid solutions at 1100 \pm 10 \circ C. Journal of Solid State Chemistry, 2010, 183, 1992-1997.	2.9	13
48	Specific features of phase equilibria in Ln + Ba + Fe + O systems. Russian Journal of General Chemistry, 2016, 86, 1800-1804.	0.8	13
49	Phase Equilibria, Crystal Structure, and Properties of Intermediate Oxides in the Sm ₂ O ₃ -SrO-CoO System. European Journal of Inorganic Chemistry, 2017, 2017, 3285-3292.	2.0	13
50	Interrelation of transport properties, defect structure and spin state of Ni ³⁺ in La _{1.2} Sr _{0.8} Ni _{0.9} Fe _{0.1} O ₄ + δ . Solid State Sciences, 2017, 72, 134-143.	3.2	13
51	Magnetic state of compounds La _{1-x} Ba _x Co _{1-y} Mn _y O ₃ . Physica B: Condensed Matter, 1997, 234-236, 710-712.	2.7	12
52	Synthesis, structure and oxygen nonstoichiometry of La _{0.4} Sr _{0.6} Co _{1-y} Fe _y O ₃ + δ . Progress in Solid State Chemistry, 2007, 35, 175-182.	7.2	12
53	Structure and properties of layered perovskites Ba ₁ -Ln ₁ Fe ₁ -Co ₁ O ₃ + δ (Ln = Pr, Sm, Gd). Journal of Alloys and Compounds, 2019, 784, 1297-1302.	5.5	12
54	Synthesis, structure, optical and magnetic properties of Nd _{1-x} A _x Mn _{0.5} Co _{0.5} O ₃ + δ (A = Ba, Sr and Ca; x =) Tj ETQoO 0 0 rgBT /Overlo	4.8	12

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55	Phase equilibria, crystal structure and properties of complex oxides in the Nd ₂ O ₃ -SrO-CoO system. <i>Journal of Solid State Chemistry</i> , 2017, 248, 183-191.	2.9	11
56	Phase equilibria, structure and properties of complex oxides in the NdFeO ₃ -SrFeO ₃ -SrCoO ₃ -NdCoO ₃ system as potential cathodes for SOFCs. <i>Solid State Ionics</i> , 2018, 316, 85-92.	2.7	11
57	Phase Equilibria and Crystal Structure of Complex Oxides in the La-Sr-Co-Ni System. <i>Journal of Structural Chemistry</i> , 2003, 44, 248-251.	1.0	10
58	Phase equilibria and crystal structure of the complex oxides in the Sr-Fe-Co-O system. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1480-1484.	2.9	10
59	Oxygen nonstoichiometry, defect structure and electrical properties of LaFe _{0.7} Ni _{0.3} O ₃ . <i>Solid State Ionics</i> , 2011, 191, 32-39.	2.7	10
60	Crystal structure, oxygen nonstoichiometry and properties of novel Ruddlesden-Popper phase Sm _{1.8} Sr _{1.2} Fe ₂ O ₇ . <i>Materials Letters</i> , 2018, 213, 158-161.	2.6	10
61	A-site substitution effect on crystal structure and properties of Nd _{1-x} A _x Mn _{0.5} Fe _{0.5} O ₃ (A = Ca, Sr, Ba). <i>J. Appl. Phys.</i> 107, 074114 (2010).	2.7	10
62	Influence of A- and B-site substitutions on crystal structure and oxygen content in air-prepared Ba _{1-x} Pr _x Fe _{1-x} Co _x O ₃ perovskites. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158438.	5.5	10
63	The Bi ₂ O ₃ -SrO phase diagram. <i>Journal of Phase Equilibria and Diffusion</i> , 1994, 15, 573-576.	0.3	9
64	Phase Equilibria in the La-Sr-Co-O System and Thermodynamic Stability of the Single Phases. <i>ECS Proceedings Volumes</i> , 1995, 1995-1, 434-443.	0.1	9
65	Exceptional Layered Ordering of Cobalt and Iron in Perovskites. <i>Chemistry of Materials</i> , 2016, 28, 2907-2911.	6.7	9
66	Phase equilibria and thermodynamic properties of oxide systems on the basis of rare earth, alkaline earth and 3d-transition (Mn, Fe, Co) metals. A short overview of. <i>Chimica Techno Acta</i> , 2015, 2, 273-305.	0.7	9
67	Phase equilibria at 1100±1/2°C in air and crystal structure of solid solutions in the system LaCoO ₃ -SrCoO _{2.5} -SrNiO ₃ -LaNiO ₃ . <i>Inorganic Materials</i> , 2004, 40, 1336-1340.	0.8	8
68	Phase Equilibria and Crystal Structures of Mixed Oxides in the La-Mn-Ni-O System. <i>Inorganic Materials</i> , 2005, 41, 736-742.	0.8	8
69	Crystal structure, oxygen nonstoichiometry and thermal expansion of the layered NdBaCo _{2-x} Mo _x O ₅ (M=Ni, Cu). <i>Journal of Alloys and Compounds</i> , 2014, 590, 474-478.	5.5	8
70	Crystal structure, oxygen nonstoichiometry, thermal expansion and conductivity of (Nd,Sr)(Fe,Co)O ₃ oxides. <i>Solid State Ionics</i> , 2016, 295, 96-103.	2.7	8
71	Phase equilibria, crystal structure at 1373 K and properties of complex oxides in the Nd-Co-Fe-O system. <i>Russian Journal of Inorganic Chemistry</i> , 2017, 62, 1090-1098.	1.3	8
72	Performance of the lanthanum gallate based solid oxide fuel cells with the La _{2-x} Ca _x Ni _{1-x} FeO ₄ cathodes and Sr ₂ Ni _{0.75} Mg _{0.25} MoO ₆ anode. <i>Solid State Ionics</i> , 2019, 339, 115001.	2.7	8

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73	Phase equilibria in the $\text{LaCoO}_3\text{-LaMnO}_3\text{-SrCoO}_{2.5}\text{-SrMnO}_3$ system. <i>Materials Research Bulletin</i> , 1999, 34, 1481-1489.	5.2	7
74	Role of Sm content to the crystal structure and properties of $\text{Sr}_{1-x}\text{Sm}_x\text{FeO}_{3-\delta}$. <i>Journal of Solid State Chemistry</i> , 2018, 267, 113-118.	2.9	7
75	Electrotransport in the $\text{La}_{2-x}\text{NiO}_{4-x}$ -based solid solutions. <i>Pure and Applied Chemistry</i> , 2019, 91, 911-922.	1.9	7
76	Crystal structure and physicochemical properties of doped lanthanum manganites. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1862-1868.	0.6	6
77	Nonstoichiometry, thermal expansion and oxygen permeability of $\text{SmBaCo}_{2-x}\text{Cu}_x\text{O}_{6-\delta}$. <i>Solid State Ionics</i> , 2014, 260, 15-20.	2.7	6
78	Hydration effect on properties of the $\text{La}_{2-x}\text{A}_x\text{Ni}_{1-x}\text{Fe}_x\text{O}_{4+\delta}$ (A=Ca, Sr) cathode materials for H ⁺ -SOFCs. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158452.	5.5	6
79	Oxygen nonstoichiometry of lanthanum strontium cuprates $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4-\delta}$. <i>Journal of Physics and Chemistry of Solids</i> , 1991, 52, 841-844.	4.0	5
80	The crystal structure and homogeneity range of the solid solutions in $\text{La}_x\text{Sr}_{1-x}\text{Co}_x\text{Ni}_{1-x}\text{O}$ system. <i>Journal of Alloys and Compounds</i> , 2002, 344, 128-131.	5.5	5
81	Preparation, crystal structure and properties of $\text{HoBaCo}_{2-x}\text{Fe}_x\text{O}_{5-\delta}$. <i>Materials Research Bulletin</i> , 2013, 48, 2040-2043.	5.2	5
82	Phase equilibria, structure, oxygen nonstoichiometry, and thermal expansion of oxides in the $\text{1/2Y}_{2-x}\text{O}_{3-x}\text{-SrO-1/2Fe}_{2-x}\text{O}_{3-x}$ system. <i>Journal of the American Ceramic Society</i> , 2019, 102, 465-475.	3.8	5
83	Crystal Structure of Solid Solutions in the $\text{Sm}_2\text{O}_3\text{-CaO-MO}$ and $\text{Ln}_2\text{O}_3\text{-SrO-MO}$ Systems (Ln =) Tj ETQq1 1 0,784314	0.8	5
84	Correlation between oxygen surface exchange rate and surface structure in the $\text{La}_{1.5}\text{Sr}_{0.5}\text{Ni}_{1-x}\text{Co}_x\text{O}_{4-\delta}$ ceramic membranes. <i>Ceramics International</i> , 2020, 46, 17553-17560.	4.8	5
85	Evaluation of $\text{La}_2\text{-(Ca/Sr)}_x\text{Ni}_{1-x}\text{Fe}_x\text{O}_{4+\delta}$ ($x=0.5, 0.6$; $y=0.4, 0.5$) as cathodes for proton-conducting SOFC based on lanthanum tungstate. <i>Electrochimica Acta</i> , 2022, 421, 140479.	5.2	5
86	The thermodynamic parameters of oxygen nonstoichiometry defects in lanthanum cobaltite doped with acceptor impurities (Sr and Ni). <i>Russian Journal of Physical Chemistry A</i> , 2006, 80, 1215-1220.	0.6	4
87	The oxygen nonstoichiometry, defect structure, and thermodynamic characteristics of disordering of nickel-and iron-substituted lanthanum cobaltites. <i>Russian Journal of Physical Chemistry A</i> , 2007, 81, 1950-1955.	0.6	4
88	Phase equilibria and crystal structures of solid solutions in the Sr-Fe-Ni-O system at 1100°C in air. <i>Inorganic Materials</i> , 2009, 45, 271-277.	0.8	4
89	Crystal structure and oxygen nonstoichiometry of the $\text{Ho}_x\text{Sr}_{1-x}\text{CoO}_{3-\delta}$. <i>Journal of Materials Research</i> , 2012, 27, 2030-2034.	2.6	4
90	$\text{Gd}_2\text{O}_3\text{-SrO-Fe}_2\text{O}_3$ system: The phase diagram and oxygen content in oxides. <i>Materials Today Communications</i> , 2021, 29, 102885.	1.9	4

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91	Defect Equilibria in Solids and Related Properties: An Introduction. , 0, , 43-78.		3
92	Synthesis, structure and properties of $\text{LnBa}(\text{Co,Me})_2\text{O}_{5+\delta}$ (Ln = Nd, Sm, Ho and Tj) $\text{ETQq000rgBT/Overlock}$ 2012, 1384, 1.	0.1	3
93	Synthesis and characterization of the oxygen-deficient perovskite $\text{BaFe}_{0.9-x}\text{Y}_{0.1}\text{Co}_x\text{O}_{3-\delta}$ (0 ≤ x ≤ 0.15). Materials Research Bulletin, 2017, 85, 90-95.	5.2	3
94	High-temperature studies on crystal structure, properties and electrochemical performance of $\text{Nd}_{0.5}\text{Ba}_{0.5}\text{Mn}_{0.5}\text{Fe}_{0.5}\text{O}_{3+\delta}$. Materials Letters, 2019, 238, 298-300.	2.6	3
95	Crystal structure, oxygen content and conductivity of $\text{Sr}_{1-x}\text{Gd}_x\text{CoO}_{3-\delta}$. Solid State Sciences, 2020, 110, 106453.	3.2	3
96	Conductivity and stability of ceramic $\text{Sr}_{1-x}\text{Y}_x\text{FeO}_{3-\delta}$ solid solutions. Ceramics International, 2020, 46, 24718-24722.	4.8	3
97	Phase equilibria and stability of intermediate phases in the $\text{Sm}_{2-x}\text{O}_{3-\delta}$ – BaO – $\text{Fe}_{2-x}\text{O}_{3-\delta}$ system. Journal of the American Ceramic Society, 2021, 104, 2410-2417.	3.8	3
98	Oxygen content in oxides and subsolidus phase diagram of the Gd_2O_3 – SrO – CoO system. Journal of Alloys and Compounds, 2021, 883, 160794.	5.5	3
99	Strontium And Iron Substituted Lanthanum Nickelate As Cathode Material In Solid Oxide Fuel Cells. KnE Materials Science, 2016, 1, 64.	0.1	3
100	Phase diagram of the Bi – Sr – Cu – O system. Journal of Materials Chemistry, 1994, 4, 1871-1873.	6.7	2
101	A Study of the Crystal Structure of $\text{SmCaCo}_{1-x}\text{Fe}_x\text{O}_{4-\delta}$ and $\text{Sm}_{0.9}\text{Ca}_{1.1}\text{Fe}_{1-y}\text{Co}_y\text{O}_{4-\delta}$ Solid Solutions. Journal of Structural Chemistry, 2019, 60, 789-795.	1.0	2
102	Topotactic synthesis, crystal structure and oxygen non-stoichiometry of ordered NdBaMnFeO_6 . Materials Research Bulletin, 2019, 113, 1-5.	5.2	2
103	Phase equilibria and oxygen content of intermediate phases in the Sm_2O_3 – SrO – Fe_2O_3 system. Journal of the European Ceramic Society, 2021, 41, 4199-4205.	5.7	2
104	Investigations into the structure of La_3Ni_2 – Fe_xO_7 . Chimica Techno Acta, 2019, 6, 51-71.	0.7	2
105	Bulk Oxygen Diffusion and Surface Exchange Limitations in La_2 – $\text{Sr}_x\text{Ni}_{1-y}\text{Fe}_y\text{O}_{4+\delta}$. KnE Materials Science, 2018, 4, 24.	0.1	2
106	Phase Equilibria and Structure of Complex Oxides in the $1/2$ Nd_2O_3 – CaO – CoO System in Air at 1373 K. Russian Journal of Physical Chemistry A, 2020, 94, 2495-2501.	0.6	2
107	The Effect of Cobalt Doping on Physicochemical Properties of $\text{La}_{1.5}\text{Sr}_{0.5}\text{Ni}_{1-y}\text{Co}_y\text{O}_{4+\delta}$. Russian Journal of Physical Chemistry A, 2020, 94, 2474-2481.	0.6	2
108	Phase equilibria in the Nd_2O_3 – BaO – Fe_2O_3 system. Crystal structure, oxygen content and properties of intermediate oxides. Journal of the American Ceramic Society, 0, , .	3.8	2

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109	Subsolidus phase diagram for the $Y_2O_3\text{-}Fe_2O_3\text{-}CoO$ system and stability boundary of $YFe_{1-x}Co_xO_3$. <i>Journal of Solid State Chemistry</i> , 2022, 309, 123009.	2.9	2
110	The thermodynamic characteristics of point defects and the mechanism of charge transfer in lanthanum cobaltite doped with strontium and nickel. <i>Russian Journal of Physical Chemistry A</i> , 2006, 80, S134-S139.	0.6	1
111	Phase Equilibria in the $Sm_2O_3\text{-}CaO\text{-}NiO$ and $Sm_2O_3\text{-}NiO\text{-}CoO$ Systems. <i>Inorganic Materials</i> , 2019, 55, 593-599.	0.8	1
112	Crystal structure, oxygen nonstoichiometry and thermal expansion of ordered $Y_2Ba_3Fe_{3.1}Co_{1.9}O_{13+\delta}$. <i>Materials Letters</i> , 2019, 251, 78-80.	2.6	1
113	Synthesis, crystal structure and properties of $Nd_{1-x}A_xMnO_3\text{-}\delta$ (A = Ba, Sr and Ca). <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
114	Crystal Structure of Complex Oxides in the $Nd_2O_3\text{-}MO\text{-}Fe_2O_3$ (M = Ca, Sr) Systems. <i>Inorganic Materials</i> , 2020, 56, 42-46.	0.8	1
115	Phase equilibria in the $YFeO_3\text{-}Y\delta O_3$ system in air. <i>Chimica Techno Acta</i> , 2021, 8, 20218108.	0.7	1
116	Effect of cobalt content on the properties of quintuple perovskites $Sm_2Ba_3Fe_5\text{-}CoO_{15-\delta}$. <i>Journal of Solid State Chemistry</i> , 2021, 301, 122324.	2.9	1
117	Enhancement of oxygen permeation flux through the $La_{1.5}Sr_{0.5}Ni_{1-x}Mn_xO_{4+\delta}$ ceramic membranes by manganese doping. <i>Journal of the European Ceramic Society</i> , 2021, , .	5.7	1
118	Synthesis, Crystal Structure, and Properties of $NdNi_{0.5}Mn_{0.5}O_3\text{-}\delta$. <i>KnE Materials Science</i> , 2018, 4, 123.	0.1	1
119	Crystal structure and oxygen non-stoichiometry of oxides in the $Ba\text{-}Me\text{-}Me'\text{-}Y\text{-}O$ (Me, Me'=Co, Fe) system. <i>Chimica Techno Acta</i> , 2015, 2, 139-146.	0.7	1
120	Crystal structure and properties of novel oxide $Sm_{0.9}Ca_{1.1}Fe_{0.7}Co_{0.3}O_{4-d}$. <i>Chimica Techno Acta</i> , 2018, 5, 159-165.	0.7	1
121	Thermal Expansion and Conductivity of $Sm_{0.9}Ca_{1.1}Fe_{1-x}Co_xO_{4-\delta}$ Solid Solutions. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 2522-2526.	0.6	1
122	Oxygen Nonstoichiometry of Barium-Substituted Lanthanum Cobaltate. <i>ECS Proceedings Volumes</i> , 1997, 1997-40, 897-906.	0.1	0
123	Phase equilibria in the $La_2O_3\text{-}Ca_2O_3\text{-}CoO$ system at 1100°C. <i>Inorganic Materials</i> , 2007, 43, 743-746.	0.8	0
124	Crystal Structure of the New Ordered Phases Based on $Y_2Ba_3Fe_3Co_2O_{13} + \delta$. <i>Inorganic Materials</i> , 2020, 56, 72-76.	0.8	0
125	100 Years of Physical and Chemical Studies by Ural Federal University. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 2397-2398.	0.6	0