Vladimir A Volkovich

List of Publications by Year
in descending order

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220	1,610	394421 19	414414 32
papers	citations	h-index	g-index

231	231	231	878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Characterization of a Lanthanum Bistriflimide Complex, La(N(SO2CF3)2)3(H2O)3, and an Investigation of La, Sm, and Eu Electrochemistry in a Room-Temperature Ionic Liquid, [Me3NnBu][N(SO2CF3)2]. Inorganic Chemistry, 2005, 44, 4934-4940.	4.0	121
2	Treatment of molten salt wastes by phosphate precipitation: removal of fission product elements after pyrochemical reprocessing of spent nuclear fuels in chloride melts. Journal of Nuclear Materials, 2003, 323, 49-56.	2.7	88
3	Group 15 quaternary alkyl bistriflimides: ionic liquids with potential application in electropositive metal deposition and as supporting electrolytes. Dalton Transactions RSC, 2002, , 4532-4534.	2.3	84
4	In Situ Spectroscopy and Spectroelectrochemistry of Uranium in High-Temperature Alkali Chloride Molten Salts. Inorganic Chemistry, 2008, 47, 7474-7482.	4.0	54
5	Vibrational spectra of alkali metal (Li, Na and K) uranates and consequent assignment of uranate ion site symmetry. Vibrational Spectroscopy, 1998, 17, 83-91.	2.2	46
6	A review of the high temperature oxidation of uranium oxides in molten salts and in the solid state to form alkali metal uranates, and their composition and properties. Journal of Nuclear Materials, 1999, 274, 229-251.	2.7	40
7	The electronic spectra of alkali metal uranates and band assignments: an analysis of their diffuse reflectance spectra. Physical Chemistry Chemical Physics, 2001, 3, 5182-5191.	2.8	35
8	Formation of lanthanide phosphates in molten salts and evaluation for nuclear waste treatment. Physical Chemistry Chemical Physics, 2003, 5, 3053.	2.8	30
9	A new method for determining oxygen solubility in molten carbonates and carbonateâ€“chloride mixtures using the oxidation of UO2 to uranate reaction. Journal of Nuclear Materials, 2000, 282, 152-158.	2.7	29
10	Thermodynamic properties of uranium in galliumâ€“aluminium based alloys. Journal of Nuclear Materials, 2015, 465, 153-160.	2.7	28
11	Thermodynamic properties of Laâ€“Gaâ€“Al and Uâ€“Gaâ€“Al alloys and the separation factor of U/La couple in the molten saltâ€“liquid metal system. Journal of Nuclear Materials, 2015, 466, 373-378.	2.7	28
12	Reprocessing spent nuclear fuel using molten carbonates and subsequent precipitation of rare earth fission products using phosphate. Journal of Alloys and Compounds, 2006, 418, 116-121.	5.5	27
13	Increased oxidation of UO2in molten alkali-metal carbonate based mixtures by increasing oxygen solubility and by controlled generation of superoxide ions, and evidence for a new sodium uranate. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3819-3826.	1.7	26
14	Reactions and speciation of technetium and rhenium in chloride melts: a spectroscopy study. Physical Chemistry Chemical Physics, 2002, 4, 5753-5760.	2.8	26
15	Oxidation of UO2 in molten alkali-metal carbonate mixtures: formation of uranates and diuranates. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 5059.	1.7	24
16	Thermodynamic properties of uranium in Gaâ€“In based alloys. Journal of Nuclear Materials, 2013, 438, 94-98.	2.7	22
17	Thermodynamic properties of uranium in liquid gallium, indium and their alloys. Journal of Nuclear Materials, 2015, 464, 263-269.	2.7	22
18	The structures of the active intermediates in Catalyst-Enhanced Molten Salt Oxidation and a new method for the complete destruction of chemical warfare arsenicals. Structural Chemistry, 2010, 21, 291-297.	2.0	20

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19	Molybdenum chemistry in molten LiClâ€“KCl eutectic: an electrochemical and absorption spectroscopy study of the concentration dependent stability of solutions of K3MoCl6. Electrochimica Acta, 1999, 44, 4619-4629.	5.2	19
20	Solubilities and solubilisation enthalpies of alkali metal uranates(VI) in carbonate melts. Physical Chemistry Chemical Physics, 1999, 1, 3297-3302.	2.8	18
21	A New Technology for the Nuclear Industry for the Complete and Continuous Pyrochemical Reprocessing of Spent Nuclear Fuel: Catalyst Enhanced Molten Salt Oxidation. Nuclear Technology, 2008, 163, 382-400.	1.2	18
22	The effect of Al concentration on thermodynamic properties of Nd and U in Gaâ€“Al-based alloys and the separation factor of Nd/U couple in a â€œmolten salt-liquid metal systemâ€• Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 687-693.	1.5	18
23	Thermodynamic properties of ternary Me-Ga-In (Meâ€¯=â€¯La, U) alloys in a fused Ga-In/LiCl-KCl system. Journal of Chemical Thermodynamics, 2019, 130, 228-234.	2.0	18
24	Uranium Oligomerization in Chloride-Based High Temperature Melts:â€‰ In Situ XAS Studies. Inorganic Chemistry, 2005, 44, 2-4.	4.0	17
25	Thermodynamic properties of lanthanum in galliumâ€“indium eutectic based alloys. Journal of Nuclear Materials, 2013, 435, 202-206.	2.7	17
26	Selective ion exchange recovery of rare earth elements from uranium mining solutions. AIP Conference Proceedings, 2016, , .	0.4	17
27	Thermodynamics of La and U and the separation factor of U/La in fused Me(Ga-40Âwt.% In)/3LiCl-2KCl system. Journal of Nuclear Materials, 2017, 495, 285-290.	2.7	17
28	Electronic absorption spectra of rare earth (III) species in NaClâ€“2CsCl eutectic based melts. AIP Conference Proceedings, 2016, , .	0.4	16
29	Oxidation of ceramic uranium dioxide in alkali metal carbonate-based melts: a study using various oxidants and comparison with UO2 powder. Journal of Nuclear Materials, 1998, 256, 131-138.	2.7	15
30	Thermodynamics of rare earth elements and uranium in gallium based quaternary metallic alloys. Journal of Alloys and Compounds, 2019, 787, 367-378.	5.5	15
31	A Spectroscopic Study of Uranium Species Formed in Chloride Melts. Journal of Nuclear Science and Technology, 2002, 39, 595-598.	1.3	14
32	Structures of chloro-uranium species in molten LiClâ€“BeCl2 eutectic: A combined X-ray and electronic absorption spectroscopy study. Journal of Nuclear Materials, 2005, 344, 100-103.	2.7	14
33	On the formation of uranium(V) species in alkali chloride melts. Pure and Applied Chemistry, 2010, 82, 1701-1717.	1.9	14
34	An electrochemical study of uranium behaviour in LiClâ€“KClâ€“CsCl eutectic melt. Journal of Nuclear Materials, 2015, 467, 956-963.	2.7	14
35	Separation of Lanthanides and Actinides in a Chloride Melt - Liquid Metal System: The Effect of Phase Composition. ECS Transactions, 2016, 75, 397-408.	0.5	14
36	Combined Approach for the Structural Characterization of Alkali Fluoroscandates: Solid-State NMR, Powder X-ray Diffraction, and Density Functional Theory Calculations. Inorganic Chemistry, 2018, 57, 1184-1195.	4.0	14

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37	Behavior of molybdenum in pyrochemical reprocessing: A spectroscopic study of the chlorination of molybdenum and its oxides in chloride melts. Journal of Nuclear Materials, 2003, 323, 93-100.	2.7	13
38	Chemical solubility of alkali metal uranate(VI) species in molten carbonates under basic and acidic conditions. Physical Chemistry Chemical Physics, 2000, 2, 3029-3035.	2.8	12
39	Raman and infrared spectra of rubidium and caesium uranates(VI) and some problems assigning diuranate site symmetries. Vibrational Spectroscopy, 2001, 25, 223-230.	2.2	12
40	Effect of Melt Composition on the Reaction of Uranium Dioxide with Hydrogen Chloride in Molten Alkali Chlorides. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 671-676.	1.5	12
41	Effect of Temperature on Chromaticity Coordinates over a 700Â° Range: A Study of Alkali Metal Uranates. Dyes and Pigments, 1998, 39, 139-157.	3.7	11
42	Electrochemical and Thermodynamic Properties of Lanthanum in a Chloride Melt â€“ Liquid Metal System. ECS Transactions, 2016, 75, 265-274.	0.5	11
43	Thermodynamics of uranium in (Ga + Sn) eutectic alloy. Journal of Chemical Thermodynamics, 2016, 93, 95-100.	2.0	11
44	Electrochemical Behavior of Dysprosium in Fused LiClâ€“KCl Eutectic at Solid Inert Mo and Liquid Active Ga Electrodes. Journal of the Electrochemical Society, 2020, 167, 112510.	2.9	11
45	Corrosion of Stainless Steel in NaCl-KCl Based Melts. ECS Transactions, 2010, 33, 321-327.	0.5	10
46	Corrosion of Corrosion-Resistant and High-Temperature Nickel-Based Alloys in Chloroaluminate Melts. ECS Transactions, 2014, 64, 217-226.	0.5	10
47	Electrode and Redox Potentials of Molybdenum and Stability of Molybdenum Chloro-Species in Alkali Chloride Melts. Journal of the Electrochemical Society, 2017, 164, H5336-H5344.	2.9	10
48	Behaviour of Rare Earth Elements in Molten Salts in Relation to Pyrochemical Reprocessing of Spent Nuclear Fuels. ECS Transactions, 2007, 3, 493-502.	0.5	9
49	Corrosion of Nickel-Based Superalloys in Molten Chloroaluminates. ECS Transactions, 2017, 77, 753-766.	0.5	9
50	Activity coefficients of lanthanum in gallium and gallium-aluminum based alloys. Journal of Alloys and Compounds, 2019, 790, 809-813.	5.5	9
51	Speciation of dysprosium in molten LiClâ€“KClâ€“CsCl eutectic: An electrochemistry and spectroscopy study. Journal of Electroanalytical Chemistry, 2022, 904, 115955.	3.8	9
52	Thermodynamics of the Formation of Vanadium(II) Complexes in Chloride Melts. ECS Transactions, 2007, 3, 589-597.	0.5	8
53	Behavior of Molybdenum Chloro-Species in Alkali Chloride-Based Melts: Implications for Spent Nuclear Fuel Treatments. ECS Transactions, 2010, 33, 391-400.	0.5	8
54	Thermodynamics of reaction of praseodymium with galliumâ€“indium eutectic alloy. Journal of Nuclear Materials, 2013, 437, 66-69.	2.7	8

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55	Separation of Uranium and Lanthanides in a Fused Salt - Liquid Gallium Based Alloy System. ECS Transactions, 2014, 64, 369-375.	0.5	8
56	An Electrochemical and Spectroelectrochemical Study of Ln(II) (Ln = Sm, Eu, Yb) Species in NaCl-2CsCl Melt. ECS Transactions, 2014, 64, 617-634.	0.5	8
57	Precipitation of Rare Earth Phosphates from Molten Salts: Particle Size Distribution Analysis. ECS Transactions, 2016, 75, 313-321.	0.5	8
58	Thermodynamic properties of lanthanum in galliumâ€“zinc alloys. AIP Conference Proceedings, 2016, , .	0.4	8
59	Oxidation of powder and ceramic UO2 by KClO3 in molten (Liâ€“Naâ€“K)2CO3 eutectic. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2623-2625.	1.7	7
60	Precipitation of Rare Earth Phosphates from NaCl-2CsCl Eutectic Based Melts. ECS Transactions, 2013, 50, 517-527.	0.5	7
61	CEMSO (Catalyst Enhanced Molten Salt Oxidation) for Complete and Continuous Pyrochemical Reprocessing of Spent Nuclear Fuel: An Overview of a Viable New Technology for Next Generation Nuclear Reactors. ECS Transactions, 2007, 3, 467-482.	0.5	6
62	Speciation of Molybdenum and Tungsten in Molten Chlorides: A Spectroelectrochemical Study. ECS Transactions, 2007, 3, 555-566.	0.5	6
63	Spectroelectrochemical Study of Neptunium in Molten LiCl-KCl Eutectic. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 745-748.	1.5	6
64	Spectroelectrochemical Study of Stainless Steel Corrosion in NaCl-KCl Melt. ECS Transactions, 2010, 33, 277-285.	0.5	6
65	Lanthanum Activity, Activity Coefficients and Solubility in Gallium-Indium Liquid Alloys. ECS Transactions, 2014, 64, 227-234.	0.5	6
66	Glycine-Nitrate Combustion Synthesis of ZrO₂-Y₂O₃ Nanopowders. Advanced Materials Research, 0, 1103, 37-43.	0.3	6
67	Uranium and neodymium partitioning in alkali chloride melts using low-melting gallium-based alloys. Nukleonika, 2015, 60, 915-920.	0.8	6
68	Corrosion of Austenitic Steels and Their Components in Uranium-Containing Chloride Melts. ECS Transactions, 2017, 77, 847-855.	0.5	6
69	Uranium deposition potentials on solid and liquid cathodes in LiClâ€“KCl eutectic melt. AIP Conference Proceedings, 2018, , .	0.4	6
70	Electronic absorption spectral study of the oxidation of uranium dioxide in chloride melts. Physical Chemistry Chemical Physics, 2000, 2, 3871-3876.	2.8	5
71	Chemistry of vanadium chlorides in molten salts: An electronic absorption spectroscopy study. Journal of Molecular Liquids, 2003, 103-104, 387-394.	4.9	5
72	Spectroelectrochemical Study of Uranium and Neptunium in LiCl-KCl Eutectic Melt. ECS Transactions, 2007, 3, 503-511.	0.5	5

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73	Tungsten Chemistry in Alkali Chloride Melts. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 739-744.	1.5	5
74	Spectroelectrochemical study of molybdenum containing chloride melts. Russian Metallurgy (Metally), 2010, 2010, 150-153.	0.5	5
75	Electronic Absorption Spectra of Vanadium Species in Halide Melts. ECS Transactions, 2010, 33, 287-296.	0.5	5
76	Activity Coefficients and Solubility of Lanthanum and Praseodymium in Gallium-Indium Eutectic Alloy. ECS Transactions, 2013, 50, 507-515.	0.5	5
77	Thermodynamic properties of metallic Ga-In alloys saturated with lanthanum. Russian Metallurgy (Metally), 2014, 2014, 593-598.	0.5	5
78	Electrode potentials of tungsten in fused alkali chlorides. AIP Conference Proceedings, 2016, , .	0.4	5
79	Lanthanum solubility in gallium-aluminum liquid alloys. AIP Conference Proceedings, 2017, , .	0.4	5
80	Thermodynamic properties of rare earth elements in Laâ€“REâ€“Gaâ€“In alloys (RE = Nd, Y). AIP Conference Proceedings, 2017, , .	0.4	5
81	Solubility of lanthanum and uranium in Gaâ€“In and Gaâ€“Al eutectic based alloys. AIP Conference Proceedings, 2018, , .	0.4	5
82	Interaction of Neodymium Containing Chloride Melts with Oxygen Species. ECS Transactions, 2018, 86, 341-350.	0.5	5
83	Research and Development of the pyrochemical processing for the mixed nitride uranium-plutonium fuel. Journal of Physics: Conference Series, 2020, 1475, 012027.	0.4	5
84	Catalytic oxidation of ammonia: A sparkling experiment. Journal of Chemical Education, 2000, 77, 177.	2.3	4
85	Speciation of Rhenium in Chloride Melts: Spectroscopic and Electrochemical Study. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 371-376.	1.5	4
86	A Study of Uranium(V) Species in Alkali Chloride Melts. ECS Transactions, 2009, 16, 325-334.	0.5	4
87	An Electrochemical Study of Uranium (III) and (IV) Species in Fused Alkali Chlorides. ECS Transactions, 2014, 64, 357-367.	0.5	4
88	Thermodynamic properties of alloys of praseodymium with the gallium-indium eutectic melt. Russian Journal of Non-Ferrous Metals, 2014, 55, 550-553.	0.6	4
89	Thermodynamic properties of gadolinium in Gaâ€“Sn and Gaâ€“Zn eutectic based alloys. AIP Conference Proceedings, 2016, , .	0.4	4
90	Diffusion coefficients of the uranium(III) and (IV) ions in the LiClâ€“KClâ€“CsCl eutectic melt. Russian Metallurgy (Metally), 2016, 2016, 722-728.	0.5	4

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91	Electronic absorption spectra of neodymium(III) ions in alkali chloride melts. AIP Conference Proceedings, 2017, , .	0.4	4
92	Fabrication of rare-earth metals by metallothermic reduction: Thermodynamic modeling and practical realization. AIP Conference Proceedings, 2018, , .	0.4	4
93	Electrochemical Properties of Uranium and Zirconium on Solid and Liquid Electrodes in 3LiClâ€“2KCl Based Melts. ECS Transactions, 2018, 86, 55-67.	0.5	4
94	Corrosive Resistance of Nickel Hastelloy G-35 Superalloy in Various Aggressive Media. ECS Transactions, 2018, 86, 155-162.	0.5	4
95	Electronic absorption spectra of rare earth (Sm, Eu, Yb) dichlorides in alkali chloride melts. AIP Conference Proceedings, 2019, , .	0.4	4
96	Application of Low Melting Metals for Separation of Uranium and Zirconium in a â€œFused Chlorideâ€”Liquid Alloyâ€•System. Metals, 2021, 11, 550.	2.3	4
97	Reaction of Oxygen with Solutions of Neodymium Chloride in Alkali Chloride Melts: A Spectroscopy and Kinetics Study. Journal of the Electrochemical Society, 2021, 168, 046513.	2.9	4
98	Emergent Intelligence via Self-Organization in a Group of Robotic Devices. Mathematics, 2021, 9, 1314.	2.2	4
99	Electrochemical properties of gallium in molten alkali metal chlorides. AIP Conference Proceedings, 2020, , .	0.4	4
100	Electrode processes and electrochemical formation of Dy-Ga and Dy-Cd alloys in molten LiClâ€“KClâ€“CsCl eutectic. Journal of Electroanalytical Chemistry, 2022, 906, 116012.	3.8	4
101	Electrochemical and Spectroscopic Properties of Technetium in Fused Alkali Metal Chlorides. ECS Transactions, 2010, 33, 381-390.	0.5	3
102	Reaction of Curium(III) Ions with Oxo-Species in Alkali Chloride Melts. ECS Transactions, 2010, 33, 401-408.	0.5	3
103	The Effect of Fission Product Elements on the Behavior of Uranyl Species in Alkali Chloride Melts: a Contribution towards Reprocessing Spent Oxide Fuels. ECS Transactions, 2010, 33, 371-379.	0.5	3
104	Stability of complex molybdenum(III) ions in molten alkali metal chlorides. Russian Metallurgy (Metally), 2012, 2012, 114-118.	0.5	3
105	Study of uranium solubility in gallium-indium eutectic alloy by emf method. Russian Metallurgy (Metally), 2013, 2013, 106-111.	0.5	3
106	Electronic Absorption Spectra of Niobium Species in Halide Melts. ECS Transactions, 2013, 50, 325-338.	0.5	3
107	Corrosion of Ferritic and Ferritic-Martensitic Steels in NaCl-KCl-VCl2 Melts. ECS Transactions, 2013, 50, 699-709.	0.5	3
108	Indirect Methods of Determination of K:Al Mole Ratio in Molten Chloroaluminates. ECS Transactions, 2014, 64, 461-472.	0.5	3

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109	Niobium Speciation in NaCl-KCl Based Melts: An Electrochemical and Spectroelectrochemical Study. ECS Transactions, 2014, 64, 389-404.	0.5	3
110	Electrochemical Properties of Molybdenum in Alkali Chloride Melts. ECS Transactions, 2014, 64, 377-387.	0.5	3
111	Electrode potentials of uranium in the LiClâ€“KClâ€“CsCl eutectic melt. Russian Metallurgy (Metally), 2015, 2015, 650-653.	0.5	3
112	Thermodynamics of Ndâ€“Gaâ€“Al and Uâ€“Gaâ€“Al alloys and uranium/neodymium separation factor in the molten Gaâ€“Al/3LiClâ€“2KCl system. Radiochemistry, 2015, 57, 591-595.	0.7	3
113	Thermodynamics of Nuclear Waste Reprocessing: Separation of Lanthanides Using Liquid Metals and Alloys. Journal of Nuclear Engineering and Radiation Science, 2015, 1, 031003.	0.4	3
114	A Spectroscopic and Electrochemical Study of Molybdenum(IV) and Tungsten(IV) Species in Alkali Chloride Melts. ECS Transactions, 2016, 75, 417-430.	0.5	3
115	High-temperature corrosion of metals in the salt and metallic melts containing rare earths. AIP Conference Proceedings, 2016, , .	0.4	3
116	Vanadium Speciation in Fused Alkali Chlorides. Journal of the Electrochemical Society, 2017, 164, H5139-H5144.	2.9	3
117	Corrosion resistance of nickel-based alloys in salt and metal melts containing REE. AIP Conference Proceedings, 2017, , .	0.4	3
118	Thermodynamic characteristics of praseodymium in the galliumâ€“aluminum eutectic melt. Russian Chemical Bulletin, 2018, 67, 1601-1607.	1.5	3
119	Reaction of uranium (III) and (VI) chlorides with oxide ions in 3LiClâ€“2KCl eutectic based melts. AIP Conference Proceedings, 2018, , .	0.4	3
120	Formation of Rare Earth Phosphates in the Melts Based on NaClâ€“KCl Equimolar Mixture. ECS Transactions, 2018, 86, 329-340.	0.5	3
121	Separation of Uranium and Zirconium: Electrochemical Properties of Zirconium in the 3LiClâ€“2KCl Melt. Russian Metallurgy (Metally), 2019, 2019, 155-158.	0.5	3
122	Synthesis of HfO2 from hafnium hydroxide hydrate. Journal of Alloys and Compounds, 2019, 790, 405-412.	5.5	3
123	Uranium reduction from chloride melts on solid and liquid metal cathodes. AIP Conference Proceedings, 2019, , .	0.4	3
124	Separation of uranium and zirconium in a â€œchloride melt â€“ Gaâ€“Zn eutectic alloyâ€•system. AIP Conference Proceedings, 2020, , .	0.4	3
125	Four thallium(I) uranates(VI), their preparation, structure and properties. Journal of Nuclear Materials, 2005, 344, 73-78.	2.7	2
126	The application of the spectroelectrochemical method in the studies of molybdenum, tungsten, and uranium in chloride melts. Russian Journal of Electrochemistry, 2010, 46, 640-645.	0.9	2

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127	Corrosion of Nickel-Chromium-Molybdenum Based Alloy in Chloride Melts Containing Transition Metal Ions. ECS Transactions, 2013, 50, 357-366.	0.5	2
128	Molybdenum(V) Species in Alkali Chloride Melts: An Electronic Absorption Spectroscopy Study. ECS Transactions, 2014, 64, 189-195.	0.5	2
129	Corrosion behavior of austenitic steels and their components in niobium-containing chloride melts. Russian Metallurgy (Metally), 2014, 2014, 159-165.	0.5	2
130	Redox potentials of uranium in molten eutectic mixture of lithium, potassium, and cesium chlorides. Russian Metallurgy (Metally), 2016, 2016, 729-732.	0.5	2
131	Electrochemical behavior of zirconium in LiClâ€“KCl eutectic melt. AIP Conference Proceedings, 2018, , .	0.4	2
132	Processes involving zirconium on solid and liquid cathodes in LiClâ€“KCl eutectic based melts. AIP Conference Proceedings, 2019, , .	0.4	2
133	Corrosion of Metals and Nickel-Based Alloys in Liquid Bismuthâ€“Lithium Alloy. Metals, 2021, 11, 791.	2.3	2
134	Separation of Uranium and Zirconium in Alkali Chloride Melts Using Liquid Metal Cathodes. ECS Transactions, 2020, 98, 355-364.	0.5	2
135	Corrosion of Metallic Materials in the Molten FLiNaK. ECS Transactions, 2020, 98, 453-462.	0.5	2
136	Electrochemistry of iron, nickel and chromium in LiFâ€“NaFâ€“KF (FLiNaK) eutectic melt: A cyclic voltammetry study. AIP Conference Proceedings, 2020, , .	0.4	2
137	Uranium Electrorefining in 3LiCl-2KCl Based Melts. ECS Transactions, 2020, 98, 443-451.	0.5	2
138	Kinetics of Reaction of Oxygen with Uranium(IV) Chloride in Alkali Chloride Melts. ECS Transactions, 2020, 98, 365-372.	0.5	2
139	A New General and Rapid Method for Investigating Hot Corrosion: Preliminary Tests on Electrodes for Molten Carbonate Fuel Cells. Materials Science Forum, 2004, 461-464, 1133-1140.	0.3	1
140	Uranium-involving electrode processes in chloride melts: An x-ray absorption spectroscopy study. Russian Journal of Electrochemistry, 2007, 43, 977-980.	0.9	1
141	Corrosion of Constructive Materials in Niobium-containing Melts. ECS Transactions, 2009, 16, 357-365.	0.5	1
142	Electrochemical and Spectroscopic Properties of Tellurium in Fused Alkali Chlorides. ECS Transactions, 2009, 16, 335-341.	0.5	1
143	Distribution of Impurities during Vanadium Electrorefining and Determination of Optimal Conditions of the Process. ECS Transactions, 2009, 16, 479-487.	0.5	1
144	Processing of Vanadium and Niobium Electrodeposited from Alkali Chloride Melts. ECS Transactions, 2010, 33, 297-302.	0.5	1

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145	Excessive thermodynamic properties of praseodymium in a gallium-indium alloy. Russian Metallurgy (Metally), 2013, 2013, 607-609.	0.5	1
146	Corrosion of Austenitic Steels and Their Components in Vanadium-Containing Chloride Melts. ECS Transactions, 2013, 50, 685-698.	0.5	1
147	Solubility of Transition Metal Halides in Chloroaluminate Melts. ECS Transactions, 2014, 64, 211-216.	0.5	1
148	Redox properties of samarium, europium and ytterbium in molten eutectic mixture of sodium, potassium and cesium chlorides. AIP Conference Proceedings, 2017, , .	0.4	1
149	A novel method of aluminumâ€“gadolinium master alloy production. AIP Conference Proceedings, 2017, , .	0.4	1
150	Thermodynamics and Separation Factor of Uranium from Fission Products in â€œLiquid Metal-Molten Saltâ€•System. , 0, , .		1
151	Reduction of uranium(VI) species in alkali chloride melts: An electronic absorption spectroscopy study of formation of uranium(V) ions. AIP Conference Proceedings, 2018, , .	0.4	1
152	Vanadium Electrorefining in NaClâ€“KClâ€“VCl2 Melts. ECS Transactions, 2018, 86, 37-43.	0.5	1
153	Kinetics of the Reduction of Rare Earth Metals in LiClâ€“KClâ€“CsCl Eutectic Melt. ECS Transactions, 2018, 86, 351-358.	0.5	1
154	Solubility of praseodymium in the gallium-aluminum eutectic alloy. AIP Conference Proceedings, 2018, , .	0.4	1
155	Thermodynamics of Rare-Earth Metal Chlorides in the Melts Based on a Eutectic Mixture of Lithium, Potassium, and Cesium Chlorides. Russian Metallurgy (Metally), 2019, 2019, 194-196.	0.5	1
156	Activity of Lanthanum in Zn-Containing Alloys: Laâ€“Zn, Laâ€“Uâ€“Zn, and Laâ€“Uâ€“Gaâ€“Zn Systems. Russian Metallurgy (Metally), 2019, 2019, 146-148.	0.5	1
157	Electrochemical Properties of Tungsten in Molten Alkali Metal Chlorides. Russian Metallurgy (Metally), 2019, 2019, 149-151.	0.5	1
158	Neodymium solubility in gallium-zinc eutectic alloy. AIP Conference Proceedings, 2019, , .	0.4	1
159	Stationary corrosion potential of technetium in LiClâ€“KClâ€“CsCl eutectic melt. AIP Conference Proceedings, 2019, , .	0.4	1
160	Study of ruthenium behavior in alkali chloride melts using electronic absorption spectroscopy. AIP Conference Proceedings, 2019, , .	0.4	1
161	High temperature IR-spectroscopy of lithium, sodium and potassium uranates. AIP Conference Proceedings, 2019, , .	0.4	1
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