

Andrey S Yasinskiy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improving corrosion resistance of Cu-Al-based anodes in $\text{KF-AlF}_3\text{-Al}_2\text{O}_3$ melts. Transactions of Nonferrous Metals Society of China, 2022, 32, 354-363.	4.2	3
2	Magnetron Sputtering High-Entropy Alloy Coatings: A Mini-Review. Metals, 2022, 12, 319.	2.3	22
3	Fluorination of two-dimensional graphene: A review. Journal of Fluorine Chemistry, 2022, 255-256, 109964.	1.7	12
4	Improving stability and thermal properties of TiO_2 -based nanofluids for concentrating solar energy using two methods of preparation. Journal of Thermal Analysis and Calorimetry, 2021, 144, 895-905.	3.6	7
5	Electrochemical reduction and dissolution of liquid aluminium in thin layers of molten halides. Electrochimica Acta, 2021, 366, 137436.	5.2	7
6	The Cathodic Behavior of Aluminum from $\text{Pt/Al}_2\text{O}_3$ Catalysts in Molten $\text{LiF-AlF}_3\text{-CaF}_2$ and Implications for Metal Recovery from Spent Catalysts. Journal of the Electrochemical Society, 2021, 168, 013505.	2.9	5
7	Electrochemical Reduction and Dissolution of Aluminium in a Thin-Layer Refinery Process. Minerals, Metals and Materials Series, 2021, , 519-524.	0.4	2
8	Liquid Bipolar Electrode for Extraction of Aluminium and PGM Concentrate from Spent Catalysts. Minerals, Metals and Materials Series, 2021, , 812-826.	0.4	0
9	Aluminum Smelting Carbon Dust as a Potential Raw Material for Gallium and Germanium Extraction. Jom, 2021, 73, 1103-1109.	1.9	9
10	Increasing the reliability of refrigerators used to produce green paste. Tsvetnye Metally, 2021, , 48-53.	0.2	0
11	Aluminium Recycling in Single- and Multiple-Capillary Laboratory Electrolysis Cells. Metals, 2021, 11, 1053.	2.3	6
12	A Review of Secondary Aluminum Production and Its Byproducts. Jom, 2021, 73, 2603-2614.	1.9	24
13	Towards Understanding the Cathode Process Mechanism and Kinetics in Molten LiF-AlF_3 during the Treatment of Spent $\text{Pt/Al}_2\text{O}_3$ Catalysts. Metals, 2021, 11, 1431.	2.3	3
14	Casting synthesis of $\text{Bi}_{12}\text{SiO}_{20}$. Mendeleev Communications, 2021, 31, 721-722.	1.6	4
15	Thermodynamics of the decomposition of aluminum chloride hexahydrate to prepare alumina. Journal of Materials Research and Technology, 2021, 15, 6640-6646.	5.8	9
16	Utilization Prospects of Carbon Concentrate – a Product of Aluminium Smelting Carbon Dust Processing. Ecology and Industry of Russia, 2021, 25, 12-17.	0.4	0
17	Simulating the Conditions for Cooling Bismuth Germanate Bi_2GeO_5 . Technical Physics Letters, 2021, 47, 745-748.	0.7	2
18	Recovery of Noble Metals from Spent Catalysts: A Review. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2020, 51, 2413-2435.	2.1	53

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19	Electrode processes in the $KF \cdot AlF_3 \cdot Al_2O_3$ melt. <i>New Journal of Chemistry</i> , 2020, 44, 5152-5164.	2.8	13
20	Anodic process on Cu-Al alloy in $KF \cdot AlF_3 \cdot Al_2O_3$ melts and suspensions. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 1419-1428.	4.2	12
21	Electrochemical Behaviour of Cu-Al Oxygen-Evolving Anodes in Low-Temperature Fluoride Melts and Suspensions. <i>Minerals, Metals and Materials Series</i> , 2020, , 591-599.	0.4	3
22	Behaviour of aluminium oxide in $KF \cdot AlF_3 \cdot Al_2O_3$ melts and suspensions. <i>Ceramics International</i> , 2020, 46, 11539-11548.	4.8	17
23	Electrolysis of Low-temperature Suspensions: An Update. <i>Minerals, Metals and Materials Series</i> , 2020, , 626-636.	0.4	5
24	An update on inert anodes for aluminium electrolysis. <i>Non-ferrous Metals</i> , 2020, , 15-23.	0.2	22
25	Use of mechanical activation to improve the performance of anode cover material. <i>Tsvetnye Metally</i> , 2020, , 54-59.	0.2	2
26	Potassium Balance and Its Distribution in Commercial Aluminum Reduction Cells—When Potassium-containing Alumina Is Used as the Raw Material for Aluminum Electrolysis. <i>Electrochemistry</i> , 2020, 88, 574-579.	1.4	0
27	Electrolytes and its additives used in aluminum reduction cell: a review. <i>Metallurgical Research and Technology</i> , 2019, 116, 410.	0.7	15
28	Anode Overvoltages on the Industrial Carbon Blocks. <i>Minerals, Metals and Materials Series</i> , 2019, , 811-816.	0.4	4
29	Electrochemical characterization of the liquid aluminium bipolar electrode for extraction of noble metals from spent catalysts. <i>Non-ferrous Metals</i> , 2019, , 23-30.	0.2	7
30	Anodic process on aluminium bronze in low-temperature cryolite-alumina melts and suspensions. <i>Tsvetnye Metally</i> , 2019, , 42-49.	0.2	5
31	Sedimentation behavior of high-temperature concentrated colloidal suspension based on potassium cryolite. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1492-1501.	2.4	5
32	Dramatically enhanced thermal properties for TiO_2 -based nanofluids for being used as heat transfer fluids in concentrating solar power plants. <i>Renewable Energy</i> , 2018, 119, 809-819.	8.9	44
33	Spatial particle distribution during Stokes sedimentation of alumina in high temperature concentrated suspension-electrolyte for aluminium production. <i>Tsvetnye Metally</i> , 2018, , 45-50.	0.2	4
34	Spikes generation on anode of aluminium reduction cell. <i>Tsvetnye Metally</i> , 2018, , 43-48.	0.2	5
35	Motion dynamics of anodic gas in the cryolite melt—alumina high-temperature slurry. <i>Russian Journal of Non-Ferrous Metals</i> , 2017, 58, 109-113.	0.6	6
36	Anode Processes Malfunctions Causes. An Overview. <i>Journal of Siberian Federal University Engineering & Technologies</i> , 2017, 10, 593-606.	0.1	1

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37	Impact of alumina partial density on the process conditions of aluminium reduction from cryolite-alumina slurry parameters. Tsvetnye Metally, 2016, , 33-38.	0.2	6
38	Investigation of Bubble Behaviour at Cryolite Melt “ Alumina Slurry Electrolysis. Journal of Siberian Federal University Engineering & Technologies, 2016, 9, 854-871.	0.1	2