Andrey S Yasinskiy

List of Publications by Year
in descending order

38 papers	347 citations	1040056 9 h-index	888059 17 g-index
40 all docs	40 docs citations	40 times ranked	227 citing authors

#	Article	IF	Citations
1	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
2	Dramatically enhanced thermal properties for TiO2-based nanofluids for being used as heat transfer fluids in concentrating solar power plants. Renewable Energy, 2018, 119, 809-819.	8.9	44
3	A Review of Secondary Aluminum Production and Its Byproducts. Jom, 2021, 73, 2603-2614.	1.9	24
4	An update on inert anodes for aluminium electrolysis. Non-ferrous Metals, 2020, , 15-23.	0.2	22
5	Magnetron Sputtering High-Entropy Alloy Coatings: A Mini-Review. Metals, 2022, 12, 319.	2.3	22
6	Behaviour of aluminium oxide in KF-AlF3-Al2O3 melts and suspensions. Ceramics International, 2020, 46, 11539-11548.	4.8	17
7	Electrolytes and its additives used in aluminum reduction cell: a review. Metallurgical Research and Technology, 2019, 116, 410.	0.7	15
8	Electrode processes in the KFâ€“AlF₃â€“Al₂O₃ melt. New Journal of Chemistry, 2020, 44, 5152-5164.	2.8	13
9	Anodic process on Cuâ^'Al alloy in KFâ^'AlF3â^'Al2O3 melts and suspensions. Transactions of Nonferrous Metals Society of China, 2020, 30, 1419-1428.	4.2	12
10	Fluorination of two-dimensional graphene: A review. Journal of Fluorine Chemistry, 2022, 255-256, 109964.	1.7	12
11	Aluminum Smelting Carbon Dust as a Potential Raw Material for Gallium and Germanium Extraction. Jom, 2021, 73, 1103-1109.	1.9	9
12	Thermodynamics of the decomposition of aluminum chloride hexahydrate to prepare alumina. Journal of Materials Research and Technology, 2021, 15, 6640-6646.	5.8	9
13	Improving stability and thermal properties of TiO2-based nanofluids for concentrating solar energy using two methods of preparation. Journal of Thermal Analysis and Calorimetry, 2021, 144, 895-905.	3.6	7
14	Electrochemical reduction and dissolution of liquid aluminium in thin layers of molten halides. Electrochimica Acta, 2021, 366, 137436.	5.2	7
15	Electrochemical characterization of the liquid aluminium bipolar electrode for extraction of noble metals from spent catalysts. Non-ferrous Metals, 2019, , 23-30.	0.2	7
16	Motion dynamics of anodic gas in the cryolite meltâ€“alumina high-temperature slurry. Russian Journal of Non-Ferrous Metals, 2017, 58, 109-113.	0.6	6
17	Aluminium Recycling in Single- and Multiple-Capillary Laboratory Electrolysis Cells. Metals, 2021, 11, 1053.	2.3	6
18	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

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19	Sedimentation behavior of high-temperature concentrated colloidal suspension based on potassium cryolite. Journal of Dispersion Science and Technology, 2018, 39, 1492-1501.	2.4	5
20	The Cathodic Behavior of Aluminum from Pt/Al₂O₃ Catalysts in Molten LiF-AlF₃-CaF₂ and Implications for Metal Recovery from Spent Catalysts. Journal of the Electrochemical Society, 2021, 168, 013505.	2.9	5
21	Electrolysis of Low-temperature Suspensions: An Update. Minerals, Metals and Materials Series, 2020, , 626-636.	0.4	5
22	Spikes generation on anode of aluminium reduction cell. Tsvetnye Metally, 2018, , 43-48.	0.2	5
23	Anodic process on aluminium bronze in low-temperature cryolite-alumina melts and suspensions. Tsvetnye Metally, 2019, , 42-49.	0.2	5
24	Anode Overvoltages on the Industrial Carbon Blocks. Minerals, Metals and Materials Series, 2019, , 811-816.	0.4	4
25	Spatial particle distribution during Stokes sedimentation of alumina in high temperature concentrated suspension-electrolyte for aluminium production. Tsvetnye Metally, 2018, , 45-50.	0.2	4
26	Casting synthesis of Bi12SiO20. Mendeleev Communications, 2021, 31, 721-722.	1.6	4
27	Electrochemical Behaviour of Cu-Al Oxygen-Evolving Anodes in Low-Temperature Fluoride Melts and Suspensions. Minerals, Metals and Materials Series, 2020, , 591-599.	0.4	3
28	Towards Understanding the Cathode Process Mechanism and Kinetics in Molten LiFâ€“AlF3 during the Treatment of Spent Pt/Al2O3 Catalysts. Metals, 2021, 11, 1431.	2.3	3
29	Improving corrosion resistance of Cuâ^'Al-based anodes in KFâ^'AlF3â^'Al2O3 melts. Transactions of Nonferrous Metals Society of China, 2022, 32, 354-363.	4.2	3
30	Electrochemical Reduction and Dissolution of Aluminium in a Thin-Layer Refinery Process. Minerals, Metals and Materials Series, 2021, , 519-524.	0.4	2
31	Investigation of Bubble Behaviour at Cryolite Melt â€“ Alumina Slurry Electrolysis. Journal of Siberian Federal University Engineering & Technologies, 2016, 9, 854-871.	0.1	2
32	Use of mechanical activation to improve the performance of anode cover material. Tsvetnye Metally, 2020, , 54-59.	0.2	2
33	Simulating the Conditions for Cooling Bismuth Germanate Bi2GeO5. Technical Physics Letters, 2021, 47, 745-748.	0.7	2
34	Anode Processes Malfunctions Causes. An Overview. Journal of Siberian Federal University Engineering & Technologies, 2017, 10, 593-606.	0.1	1
35	Liquid Bipolar Electrode for Extraction of Aluminium and PGM Concentrate from Spent Catalysts. Minerals, Metals and Materials Series, 2021, , 812-826.	0.4	0
36	Increasing the reliability of refrigerators used to produce green paste. Tsvetnye Metally, 2021, , 48-53.	0.2	0

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37	Potassium Balance and Its Distribution in Commercial Aluminum Reduction Cellsâ€"When Potassium-containing Alumina Is Used as the Raw Material for Aluminum Electrolysis. Electrochemistry, 2020, 88, 574-579.	1.4	0
38	Utilization Prospects of Carbon Concentrate â€“ a Product of Aluminium Smelting Carbon Dust Processing. Ecology and Industry of Russia, 2021, 25, 12-17.	0.4	0