

Yurii Semenov

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

234
citations

840776

11
h-index

1058476

14
g-index

41
all docs

41
docs citations

41
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	New Method for Predicting the Compactability of Charges Made from Fine Materials of the Mining and Smelting Industry. Metallurgist, 2022, 65, 941.	0.6	2
2	Development and Implementation of Decision Support Systems for Blast Smelting Control in the Conditions of PrJSC "Kamet-Steel". Metals, 2022, 12, 985.	2.3	3
3	Blast Furnace Operation Improvement by Forming Uniform Circular Distribution of Raceway's Thermal Mode. , 2021, , .		3
4	Experimental verification of new compaction equations for fine materials of the mining & metallurgical complex. Part 1. Basic compaction equation. Novye Ogneupory (new Refractories), 2021, , 20-29.	0.1	1
5	Decision Support System for Controlling Thermal State of Blast Furnace Smelting. Steel in Translation, 2021, 51, 261-266.	0.3	5
6	Experimental Verification of New Compaction Equations for Fine Materials of the Mining and Metallurgical Complex. Part 1. Basic Compaction Equation. Refractories and Industrial Ceramics, 2021, 62, 15-24.	0.6	5
7	Experimental Verification of New Compaction Equations for Fine Materials of the Mining and Metallurgical Complex. Part 2. Basic Compaction Equation. Refractories and Industrial Ceramics, 2021, 62, 25-31.	0.6	2
8	Method to predict strength characteristics of briquettes obtained from dry fine-grained materials. Chernye Metally, 2021, , 59-64.	0.3	3
9	Method for Predicting the Strength of Pellets Produced from Dry Fine-Grained Materials. Powder Metallurgy and Metal Ceramics, 2021, 60, 247-256.	0.8	5
10	Experimental verification of new compaction equations for fine materials of the mining & metallurgical complex. Part 2. Stage compaction equatin. Novye Ogneupory (new Refractories), 2021, 1, 7-13.	0.1	1
11	NEW METHOD FOR PREDICTING COMPACTION OF CHARGES FROM FINE-FRACTION MATERIALS OF MINING AND METALLURGICAL COMPLEX. Metallurgist, 2021, , 15-22.	0.2	1
12	Ways to improve the efficiency of sinter-blast furnace production in the raw materials and energy conditions of the metallurgical enterprises of Ukraine. Metal and Casting of Ukraine, 2021, 29, 8-15.	0.3	0
13	INTRODUCTION OF DECISION SUPPORT SYSTEMS FOR BLAST SMELTING CONTROL IN THE CONDITIONS OF METALLURGICAL PRODUCTION OF PRJSC "DNIPROVSKYI COKE PLANT". Fundamentalnye I Prikladnye Problemy Aĕrnoj Metallurgii, 2021, , 78-94.	0.1	0
14	SCHEMATIC DIAGRAM OF THE MODEL OF END-TO-END TECHNOLOGY FOR THE PRODUCTION OF COMPETITIVE METAL PRODUCTS BY UKRAINIAN ENTERPRISES OPERATING IN UNSTABLE RAW MATERIALS AND ENERGY CONDITIONS. Fundamentalnye I Prikladnye Problemy Aĕrnoj Metallurgii, 2021, , 95-107.	0.1	0
15	Measures for Preventing Disruption in the Blast Furnace Operation under Use of Pulverized Coal. Steel in Translation, 2020, 50, 100-106.	0.3	11
16	Experience of Using Manganese-Containing Materials in Blast-Furnace Charge. Metallurgist, 2020, 63, 1013-1023.	0.6	16
17	Efficiency increase of powdered coal application at hot metal production and limestone calcination under unstable technology conditions. Ferrous Metallurgy Bulletin of Scientific Technical and Economic Information, 2020, 76, 676-690.	0.2	3
18	Elaboration and realization of new approaches to diagnostic and control of blast furnace heat. Ferrous Metallurgy Bulletin of Scientific Technical and Economic Information, 2020, 76, 123-131.	0.2	5

#	ARTICLE	IF	CITATIONS
19	New scientific and applied results of studies efficiency use of pulverized coal in the production of cast iron and lime burning. Metal and Casting of Ukraine, 2020, 28, 15-26.	0.3	3
20	Trends in the Engineering of Blast Furnaces in Modern Fuel and Raw Materials Conditions. Steel in Translation, 2019, 49, 110-117.	0.3	3
21	Influence of Transient Blast Furnace Conditions on the Temperature in the Cooling System. Steel in Translation, 2019, 49, 397-401.	0.3	2
22	Development and implementation of the new approaches to diagnostics and management of the blast furnace smelting. Fundamental i Prikladnye Problemy Āernoĳ Metallurgii, 2019, , 61-77.	0.1	0
23	Expert Module of the Thermal Probes System for Blast Furnace Charging Control. Steel in Translation, 2018, 48, 802-806.	0.3	12
24	Kaolin Raw Material Briquetting for Lump Chamotte Production. Refractories and Industrial Ceramics, 2018, 59, 333-337.	0.6	12
25	Selecting the Batch Composition in Briquetting. Steel in Translation, 2018, 48, 509-512.	0.3	12
26	Efficient Management of the Charging of Blast Furnaces and the Application of Contemporary Means of Control Over the Variable Technological Conditions. Metallurgist, 2018, 61, 950-958.	0.6	16
27	Complex Mathematical Model of the Distribution of Multicomponent Charge in a Blast Furnace. Metallurgist, 2018, 62, 95-100.	0.6	12
28	Development of technology of pulverized coal injection in Ukraineâ€™s blast furnaces in variable liquid and gas dynamic conditions. Fundamental i Prikladnye Problemy Āernoĳ Metallurgii, 2018, , 28-41.	0.1	2
29	Monitoring Blast Furnace Lining Condition During Five Years of Operation. Metallurgist, 2017, 61, 291-297.	0.6	13
30	Temperature distribution of the gas flux in blast furnaces. Steel in Translation, 2017, 47, 473-477.	0.3	13
31	Using thermal probes to regulate the batch distribution in a blast furnace with pulverized-coal injection. Steel in Translation, 2017, 47, 389-393.	0.3	19
32	Introduction of pulverized-coal injection at Yenakieve Iron and Steel Works. Steel in Translation, 2017, 47, 313-319.	0.3	12
33	Blast Furnace Shaft Thermal State Monitoring System. Steel in Translation, 2017, 47, 728-731.	0.3	8
34	Effect of the Fuel, Raw Materials, and Process Conditions on the Behavior of Temperature Change in a Blast-Furnace Lining. Metallurgist, 2015, 59, 290-299.	0.6	13
35	Assessing the Feasibility of Using Electrical Potentials Recorded Between the Tuyeres and Shell of a Blast Furnace to Analyze Processes in the Furnace Hearth. Metallurgist, 2014, 57, 968-975.	0.6	0
36	Model system for selecting and correcting charging programs for blast furnaces equipped with a bell-less charging apparatus. Metallurgist, 2013, 56, 652-657.	0.6	11

#	ARTICLE	IF	CITATIONS
37	Gas-dynamic assessment of blast furnaces on the basis of radiolocation data. Steel in Translation, 2012, 42, 224-229.	0.3	0
38	Study of the movement of charge materials in the shaft of a blast furnace. Metallurgist, 2010, 54, 540-547.	0.6	0
39	Predicting the thermal state of the blast-furnace hearth. Steel in Translation, 2009, 39, 402-405.	0.3	4