Eugene Donskoi

List of Publications by Year
in descending order

31	626	471509 17	580821 25
papers	citations	h-index	g-index

31	31	31	434
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated optical image analysis of goethitic iron ores. Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy, 2022, 131, 14-24.	0.2	6
2	Automated optical image analysis of natural and ÂsinteredÂiron ore. , 2022, , 127-178.		0
3	Automated Optical Image Analysis of Iron Ore Sinter. Minerals (Basel, Switzerland), 2021, 11, 562.	2.0	7
4	Advances in Optical Image Analysis Textural Segmentation in Ironmaking. Applied Sciences (Switzerland), 2020, 10, 6242.	2.5	7
5	Comparison of the Mineralogy of Iron Ore Sinters Using a Range of Techniques. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	27
6	Image analysis estimation of iron ore particle segregation in epoxy blocks. Minerals Engineering, 2018, 120, 102-109.	4.3	14
7	Importance of textural information in mathematical modelling of iron ore fines sintering performance. Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy, 2018, 127, 103-114.	0.2	3
8	Novel optical image analysis coke characterisation and its application to study of the relationships between coke Structure, coke strength and parent coal composition. Fuel, 2017, 208, 281-295.	6.4	20
9	Mineralogical quantification of iron ore sinter. Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy, 2016, 125, 156-164.	0.6	12
10	Iron ore textural information is the key for prediction of downstream process performance. Minerals Engineering, 2016, 86, 10-23.	4.3	27
11	Novel developments in optical image analysis for iron ore, sinter and coke characterisation. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2015, 124, 227-244.	0.8	13
12	Automated optical image analysis of natural and sintered iron ore. , 2015, , 101-159.		7
13	Automated relief-based discrimination of non-opaque minerals in optical image analysis. Minerals Engineering, 2014, 55, 111-124.	4.3	17
14	Comparative study of iron ore characterisation using a scanning electron microscope and optical image analysis. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2013, 122, 217-229.	0.8	19
15	Utilisation of ultrasonic treatment for upgrading of hematitic/goethitic iron ore fines. International Journal of Mineral Processing, 2012, 114-117, 80-92.	2.6	22
16	Modelling and optimization of hydrocyclone for iron ore fines beneficiation â€" using optical image analysis and iron ore texture classification. International Journal of Mineral Processing, 2008, 87, 106-119.	2.6	36
17	Modelling novel coal based direct reduction process. Ironmaking and Steelmaking, 2008, 35, 3-13.	2.1	9
18	Mathematical Modeling and Optimization of Iron Ore Sinter Properties. Israel Journal of Chemistry, 2007, 47, 373-379.	2.3	21

#	Article	IF	Citations
19	Utilization of optical image analysis and automatic texture classification for iron ore particle characterisation. Minerals Engineering, 2007, 20, 461-471.	4.3	57
20	Experimental study of coal based direct reduction in iron ore/coal composite pellets in a one layer bed under nonisothermal, asymmetric heating. Ironmaking and Steelmaking, 2006, 33, 24-28.	2.1	24
21	Modelling the reduction of an iron ore-coal composite pellet with conduction and convection in an axisymmetric temperature field. Mathematical and Computer Modelling, 2005, 42, 45-60.	2.0	35
22	Three-dimensional bistatic synthetic aperture radar imaging system: spatial resolution analysis. IET Radar, Sonar & Navigation, 2005, 152, 391.	2.1	7
23	Estimation and modeling of parameters for direct reduction in iron ore/coal composites: Part I. Physical parameters. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2003, 34, 93-102.	2.1	33
24	Estimation and modeling of parameters for direct reduction in iron ore/coal composites: Part II. Kinetic parameters. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2003, 34, 255-266.	2.1	58
25	Two Numerical Approaches â€“ Explicit Finite Difference and Finite Control Volume for Modelling Reduction in Coal-Iron Ore Composite Pellets Under Axisymmetric Heating â€“ a Comparative Study. Journal of Computational Methods in Sciences and Engineering, 2003, 3, 475-487.	0.2	0
26	Mathematical modelling of non-isothermal reduction in highly swelling iron oreâ€“coal char composite pellet. Ironmaking and Steelmaking, 2001, 28, 384-389.	2.1	41
27	Mathematical modelling of non-isothermal reduction in highly swelling iron oreâ€“coal char composite pellet. Ironmaking and Steelmaking, 2001, 28, 384-389.	2.1	12
28	Optimization of coal pyrolysis modeling. Combustion and Flame, 2000, 122, 359-367.	5.2	33
29	Asymptotic approximations to the Distributed Activation Energy Model. Applied Mathematics Letters, 1999, 12, 27-34.	2.7	18
30	Approximate modelling of coal pyrolysis. Fuel, 1999, 78, 825-835.	6.4	37
31	Sensitivity analysis of a model for direct reduction in swelling coal char-hematite composite pellets. ANZIAM Journal, 0, 44, 140.	0.0	4