

# Andrei Poliakov

## List of Publications by Year in descending order

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15  
papers

166  
citations

1307594

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h-index

1199594

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron ore textural information is the key for prediction of downstream process performance. Minerals Engineering, 2016, 86, 10-23.	4.3	27
2	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
3	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
4	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
5	Automated relief-based discrimination of non-opaque minerals in optical image analysis. Minerals Engineering, 2014, 55, 111-124.	4.3	17
6	Image analysis estimation of iron ore particle segregation in epoxy blocks. Minerals Engineering, 2018, 120, 102-109.	4.3	14
7	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
8	Automated optical image analysis of natural and sintered iron ore. , 2015, , 101-159.		7
9	Advances in Optical Image Analysis Textural Segmentation in Ironmaking. Applied Sciences (Switzerland), 2020, 10, 6242.	2.5	7
10	Automated Optical Image Analysis of Iron Ore Sinter. Minerals (Basel, Switzerland), 2021, 11, 562.	2.0	7
11	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
12	Separation of touching particles in optical image analysis of iron ores and its effect on textural and liberation characterization. European Journal of Mineralogy, 2019, 31, 485-505.	1.3	4
13	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
14	Mineral 4/Recognition 4: A Universal Optical Image Analysis Package for Iron Ore, Sinter and Coke Characterization. Journal of Energy and Power Engineering, 2017, 11, .	0.2	0
15	Automated optical image analysis of natural and sintered iron ore. , 2022, , 127-178.		0