Mohammad Massinaei

List of Publications by Year
in descending order

29 papers	843 citations	471509 17 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	503 citing authors

#	Article	IF	Citations
1	Prediction of the metallurgical performances of a batch flotation system by image analysis and neural networks. Minerals Engineering, 2014, 69, 137-145.	4.3	91
2	Estimation of particle size distribution on an industrial conveyor belt using image analysis and neural networks. Powder Technology, 2014, 261, 185-190.	4.2	75
3	Machine vision based monitoring and analysis of a coal column flotation circuit. Powder Technology, 2019, 343, 330-341.	4.2	63
4	Flotation froth image classification using convolutional neural networks. Minerals Engineering, 2020, 155, 106443.	4.3	57
5	Removal of the residual xanthate from flotation plant tailings using modified bentonite. Minerals Engineering, 2018, 119, 1-10.	4.3	51
6	Removal of the residual xanthate from flotation plant tailings using bentonite modified by magnetic nano-particles. Minerals Engineering, 2019, 134, 142-155.	4.3	48
7	Machine vision based monitoring of an industrial flotation cell in an iron flotation plant. International Journal of Mineral Processing, 2014, 133, 60-66.	2.6	47
8	An image segmentation algorithm for measurement of flotation froth bubble size distributions. Measurement: Journal of the International Measurement Confederation, 2017, 111, 29-37.	5.0	44
9	Modeling the Relationship between Froth Bubble Size and Flotation Performance Using Image Analysis and Neural Networks. Chemical Engineering Communications, 2015, 202, 911-919.	2.6	37
10	Modeling of bubble surface area flux in an industrial rougher column using artificial neural network and statistical techniques. Minerals Engineering, 2010, 23, 83-90.	4.3	36
11	Improving flocculation and dewatering performance of iron tailings thickeners. Journal of Water Process Engineering, 2019, 31, 100873.	5.6	36
12	Hydrodynamic and kinetic characterization of industrial columns in rougher circuit. Minerals Engineering, 2009, 22, 357-365.	4.3	32
13	Novel tunable composites based on bentonite and modified tragacanth gum for removal of acid dyes from aqueous solutions. RSC Advances, 2015, 5, 55731-55745.	3.6	32
14	Froth-based modeling and control of a batch flotation process. International Journal of Mineral Processing, 2016, 146, 90-96.	2.6	30
15	Development of a machine vision system for real-time monitoring and control of batch flotation process. International Journal of Mineral Processing, 2017, 167, 16-26.	2.6	22
16	Application of Statistical and Intelligent Techniques for Modeling of Metallurgical Performance of a Batch Flotation Process. Chemical Engineering Communications, 2016, 203, 151-160.	2.6	19
17	Application of Image Processing and Adaptive Neuro-fuzzy System for Estimation of the Metallurgical Parameters of a Flotation Process. Chemical Engineering Communications, 2016, 203, 1395-1402.	2.6	18
18	Mixing characteristics of industrial columns in rougher circuit. Minerals Engineering, 2007, 20, 1360-1367.	4.3	15

#	Article	IF	Citations
19	FUZZY-BASED MODELING AND CONTROL OF AN INDUSTRIAL FLOTATION COLUMN. Chemical Engineering Communications, 2014, 201, 896-908.	2.6	15
20	Froth zone characterization of an industrial flotation column in rougher circuit. Minerals Engineering, 2009, 22, 272-278.	4.3	14
21	Optimisation of metallurgical performance of industrial flotation column using neural network and gravitational search algorithm. Canadian Metallurgical Quarterly, 2013, 52, 115-122.	1.2	13
22	USING DATA MINING TO ASSESS AND MODEL THE METALLURGICAL EFFICIENCY OF A COPPER CONCENTRATOR. Chemical Engineering Communications, 2014, 201, 1314-1326.	2.6	13
23	Development of a new algorithm for segmentation of flotation froth images. Mining, Metallurgy and Exploration, 2014, 31, 66-72.	0.8	10
24	Recognition of process conditions of a coal column flotation circuit using computer vision and machine learning. International Journal of Coal Preparation and Utilization, 2022, 42, 2204-2218.	2.1	9
25	Removal of cyanide from the gold cyanidation plant tailings using graphene-based magnetic nanocomposites. Chemical Papers, 2021, 75, 5543-5560.	2.2	6
26	New image-processing algorithm for measurement of bubble size distribution from flotation froth images. Mining, Metallurgy and Exploration, 2011, 28, 146-150.	0.8	5
27	Hydrodynamic and metallurgical characteristics of industrial and pilot columns in rougher circuit. Minerals Engineering, 2009, 22, 96-99.	4.3	4
28	A new approach for froth image segmentation using fuzzy logic. , 2013, , .		1
29	Image processing-based monitoring of a batch flotation process. , 2013, , .		0