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	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
2	Removal of cyanide from the gold cyanidation plant tailings using graphene-based magnetic nanocomposites. Chemical Papers, 2021, 75, 5543-5560.	2.2	6
3	Flotation froth image classification using convolutional neural networks. Minerals Engineering, 2020, 155, 106443.	4.3	57
4	Improving flocculation and dewatering performance of iron tailings thickeners. Journal of Water Process Engineering, 2019, 31, 100873.	5.6	36
5	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
6	Machine vision based monitoring and analysis of a coal column flotation circuit. Powder Technology, 2019, 343, 330-341.	4.2	63
7	Removal of the residual xanthate from flotation plant tailings using modified bentonite. Minerals Engineering, 2018, 119, 1-10.	4.3	51
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	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
10	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
11	Froth-based modeling and control of a batch flotation process. International Journal of Mineral Processing, 2016, 146, 90-96.	2.6	30
12	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
13	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
14	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
15	Development of a new algorithm for segmentation of flotation froth images. Mining, Metallurgy and Exploration, 2014, 31, 66-72.	0.8	10
16	FUZZY-BASED MODELING AND CONTROL OF AN INDUSTRIAL FLOTATION COLUMN. Chemical Engineering Communications, 2014, 201, 896-908.	2.6	15
17	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
18	USING DATA MINING TO ASSESS AND MODEL THE METALLURGICAL EFFICIENCY OF A COPPER CONCENTRATOR. Chemical Engineering Communications, 2014, 201, 1314-1326.	2.6	13

#	Article	IF	Citations
19	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
20	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
21	A new approach for froth image segmentation using fuzzy logic. , 2013, , .		1
22	Image processing-based monitoring of a batch flotation process. , 2013, , .		0
23	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
24	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
25	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
26	Hydrodynamic and metallurgical characteristics of industrial and pilot columns in rougher circuit. Minerals Engineering, 2009, 22, 96-99.	4.3	4
27	Froth zone characterization of an industrial flotation column in rougher circuit. Minerals Engineering, 2009, 22, 272-278.	4.3	14
28	Hydrodynamic and kinetic characterization of industrial columns in rougher circuit. Minerals Engineering, 2009, 22, 357-365.	4.3	32
29	Mixing characteristics of industrial columns in rougher circuit. Minerals Engineering, 2007, 20, 1360-1367.	4.3	15