Erik Hulthen

List of Publications by Year
in descending order

28	321	759233 12	888059 17
papers	citations	h-index	g-index

28	28	28	175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cone crusher performance evaluation using DEM simulations and laboratory experiments for model validation. Minerals Engineering, 2017, 103-104, 93-101.	4.3	35
2	Modelling and simulation of dynamic crushing plant behavior with MATLAB/Simulink. Minerals Engineering, 2013, 43-44, 112-120.	4.3	27
3	A fundamental model of an industrial-scale jaw crusher. Minerals Engineering, 2017, 105, 69-78.	4.3	25
4	Effects of screen decksâ€™ aperture shapes and materials on screening efficiency. Minerals Engineering, 2019, 139, 105699.	4.3	25
5	Development and implementation of key performance indicators for aggregate production using dynamic simulation. Minerals Engineering, 2020, 145, 106065.	4.3	22
6	Real-time algorithm for cone crusher control with two variables. Minerals Engineering, 2011, 24, 987-994.	4.3	19
7	Algorithm for dynamic cone crusher control. Minerals Engineering, 2009, 22, 296-303.	4.3	16
8	Size and shape simulation in a tertiary crushing stage, a multi objective perspective. Minerals Engineering, 2015, 77, 72-77.	4.3	16
9	Model of banana screen for robust performance. Minerals Engineering, 2016, 91, 66-73.	4.3	16
10	Modelling of discrete downtime in continuous crushing operation. Minerals Engineering, 2016, 98, 22-29.	4.3	15
11	Modelling and dynamic simulation of gradual performance deterioration of a crushing circuit â€“ Including time dependence and wear. Minerals Engineering, 2012, 33, 13-19.	4.3	13
12	Diagnostics of cone crusher feed segregation using power draw measurements. Minerals Engineering, 2018, 127, 15-21.	4.3	13
13	Application of the Discrete Element Method to Study the Effects of Stream Characteristics on Screening Performance. Minerals (Basel, Switzerland), 2019, 9, 788.	2.0	12
14	Application of multi-disciplinary optimization architectures in mineral processing simulations. Minerals Engineering, 2018, 128, 27-35.	4.3	11
15	Feed-hopper level estimation and control in cone crushers. Minerals Engineering, 2017, 110, 82-95.	4.3	9
16	Towards dynamical profit optimization of comminution circuits. Minerals Engineering, 2017, 103-104, 14-24.	4.3	9
17	Dynamic modeling and simulation of a SAG mill-pebble crusher circuit by controlling crusher operational parameters. Minerals Engineering, 2018, 127, 98-104.	4.3	8
18	Mass balance control of crushing circuits. Minerals Engineering, 2019, 135, 37-47.	4.3	8

#	Article	IF	Citations
19	Development of a Pre-Verified EPD Tool with Process Simulation Capabilities for the Aggregates Industry. Sustainability, 2021, 13, 9492.	3.2	5
20	Application of Optimization Method for Calibration and Maintenance of Power-Based Belt Scale. Minerals (Basel, Switzerland), 2021, 11, 412.	2.0	4
21	Bringing the Entrepreneurial Mindset into Mining Engineering Education. Mining, Metallurgy and Exploration, 2022, 39, 1333-1344.	0.8	4
22	Fit-for-Purpose VSI Modelling Framework for Process Simulation. Minerals (Basel, Switzerland), 2021, 11, 40.	2.0	3
23	SIMULATION-DRIVEN DEVELOPMENT FOR COARSE COMMINUTION PROCESS - A CASE STUDY OF GEITA GOLD MINE, TANZANIA USING PLANTSMITH PROCESS SIMULATOR. Proceedings of the Design Society, 2021, 1, 2681-2690.	0.8	2
24	Applied Calibration and Validation Method of Dynamic Process Simulation for Crushing Plants. Minerals (Basel, Switzerland), 2021, 11, 921.	2.0	2
25	Investigation of Synthetic Clay Courtâ€™s Response under Cyclic Loading. Proceedings (mdpi), 2018, 2, 280.	0.2	1
26	Evaluation of Refractory Metal Concentrations in Nano-Particulate Pressed-Powder Pellets Using LA-ICP-MS. Minerals (Basel, Switzerland), 2022, 12, 869.	2.0	1
27	IMPLEMENTATION OF CDIO INITIATIVE IN NEW EUROPEAN EDUCATION PROGRAMS IN RAW MATERIALS. EDULEARN Proceedings, 2017, , .	0.0	0
28	Understanding Current Challenges in Evaluating Environmental Impacts for Aggregate Producers through a Case Study in Western Sweden. Sustainability, 2022, 14, 1200.	3.2	0