

Vakamalla Teja Reddy

List of Publications by Year in descending order

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15
papers

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1039406

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16
all docs

16
docs citations

16
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of industrial hydrocyclones performance: Role of turbulence modelling. Separation and Purification Technology, 2017, 176, 23-39.	3.9	103
2	Development of novel hydrocyclone designs for improved fines classification using multiphase CFD model. Separation and Purification Technology, 2017, 175, 481-497.	3.9	78
3	Computational and experimental study of the effect of inclination on hydrocyclone performance. Separation and Purification Technology, 2014, 138, 104-117.	3.9	63
4	Airâ€Core Size Measurement of Operating Hydrocyclone by Electrical Resistance Tomography. Chemical Engineering and Technology, 2014, 37, 795-805.	0.9	33
5	Study on multi-component particle behaviour in a hydrocyclone classifier using experimental and computational fluid dynamics techniques. Separation and Purification Technology, 2019, 229, 115698.	3.9	29
6	Multiphase CFD Modelling of Mineral Separators Performance: Validation Against Tomography Data. Transactions of the Indian Institute of Metals, 2017, 70, 323-340.	0.7	23
7	Rheology-based CFD modeling of magnetite medium segregation in a dense medium cyclone. Powder Technology, 2015, 277, 275-286.	2.1	21
8	The dynamic behaviour of a largeâ€scale 250â€mm hydrocyclone: A CFD study. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2287.	0.8	12
9	Effects of wall-heating on the linear instability characteristics of pressure-driven two-layer channel flow. Chemical Engineering Science, 2011, 66, 6272-6279.	1.9	10
10	Iron ore slimes beneficiation using optimised hydrocyclone operation. Chemosphere, 2022, 301, 134513.	4.2	8
11	Comprehensive Dense Slurry CFD Model for Performance Evaluation of Industrial Hydrocyclones. Industrial & Engineering Chemistry Research, 2021, 60, 12403-12418.	1.8	7
12	Computational Fluid Dynamic study on the effect of near gravity material on dense medium cyclone treating coal using Discrete Phase Model and Algebraic Slip mixture multiphase model. Journal of Computational Multiphase Flows, 2017, 9, 58-70.	0.8	6
13	Effect of Drag Models on the Numerical Simulations of Bubbling and Turbulent Fluidized Beds. Chemical Engineering and Technology, 2021, 44, 865-874.	0.9	5
14	Computational modelling of particle-fluid dynamics in comminution and classification: a review. Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy, 2020, 129, 145-156.	0.1	4
15	Numerical simulation of near-gravity coal particle behavior in a dense medium cyclone using a mixture model coupled with a discrete phase model. International Journal of Coal Preparation and Utilization, 2018, , 1-23.	1.2	3