

# Siddhartha Shrestha

## List of Publications by Year in descending order

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15  
papers

308  
citations

840585

11  
h-index

996849

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g-index

15  
all docs

15  
docs citations

15  
times ranked

302  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical analysis on palm kernel shell from oil palm industry as a feedstock for solid char production. <i>Reviews in Chemical Engineering</i> , 2016, 32, 489-505.	2.3	55
2	Particle shape effect on bubble dynamics in central air jet pseudo-2D fluidized beds: A CFD-DEM study. <i>Chemical Engineering Science</i> , 2019, 201, 448-466.	1.9	44
3	Cold flow model of dual fluidized bed: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1529-1548.	8.2	36
4	Bubble dynamics in bubbling fluidized beds of ellipsoidal particles. <i>AIChE Journal</i> , 2019, 65, e16736.	1.8	25
5	Hydrodynamic characteristics in cold model of dual fluidized bed gasifiers. <i>Powder Technology</i> , 2015, 286, 246-256.	2.1	22
6	Advances in reduction of NO and N <sub>2</sub> O <sub>1</sub> emission formation in an oxy-fired fluidized bed boiler. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 426-443.	1.7	21
7	Particle scale modelling of bubble properties in central air jet gas-solid fluidized beds. <i>Powder Technology</i> , 2018, 339, 70-80.	2.1	20
8	Effect of van der Waals force on bubble dynamics in bubbling fluidized beds of ellipsoidal particles. <i>Chemical Engineering Science</i> , 2020, 212, 115343.	1.9	19
9	Discrete particle simulation of heterogeneous gas-solid flows in riser and downer reactors. <i>Powder Technology</i> , 2020, 375, 221-232.	2.1	19
10	Orientation of spheroidal particles in single jet bubbling fluidized beds. <i>Powder Technology</i> , 2020, 361, 363-373.	2.1	14
11	Hydrodynamic properties of a cold model of dual fluidized bed gasifier: A modeling and experimental investigation. <i>Chemical Engineering Research and Design</i> , 2016, 109, 791-805.	2.7	12
12	Micromechanical analysis of bubbles formed in fluidized beds operated with a continuous single jet. <i>Powder Technology</i> , 2019, 357, 398-407.	2.1	7
13	Numerical simulation of fuel layered distribution iron ore sintering technology. <i>Ironmaking and Steelmaking</i> , 2022, 49, 83-100.	1.1	6
14	A CFD-DEM study of single bubble formation in gas fluidization of spherical and non-spherical particles. <i>EPJ Web of Conferences</i> , 2017, 140, 15026.	0.1	5
15	Effect of particle shape on bubble dynamics in bubbling fluidized bed. <i>EPJ Web of Conferences</i> , 2021, 249, 06012.	0.1	3