

Wenbin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3857627/publications.pdf>

Version: 2024-02-01

8
papers

432
citations

1684188

5
h-index

1720034

7
g-index

8
all docs

8
docs citations

8
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	Capturing CO ₂ from ambient air using a polyethyleneimine-silica adsorbent in fluidized beds. <i>Chemical Engineering Science</i> , 2014, 116, 306-316.	3.8	136
2	Parametric study on the regeneration heat requirement of an amine-based solid adsorbent process for post-combustion carbon capture. <i>Applied Energy</i> , 2016, 168, 394-405.	10.1	136
3	Performance of polyethyleneimine-silica adsorbent for post-combustion CO ₂ capture in a bubbling fluidized bed. <i>Chemical Engineering Journal</i> , 2014, 251, 293-303.	12.7	79
4	Gas cleaning strategies for biomass gasification product gas. <i>International Journal of Low-Carbon Technologies</i> , 2012, 7, 69-74.	2.6	40
5	Process simulations of post-combustion CO ₂ capture for coal and natural gas-fired power plants using a polyethyleneimine/silica adsorbent. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 276-289.	4.6	34
6	Cyclic performance evaluation of a polyethylenimine/silica adsorbent with steam regeneration using simulated NGCC flue gas and actual flue gas of a gas-fired boiler in a bubbling fluidized bed reactor. <i>International Journal of Greenhouse Gas Control</i> , 2020, 95, 102975.	4.6	6
7	Parametric analysis on the performance of a revolutionary rotary Ericsson heat pump/engine. <i>International Journal of Low-Carbon Technologies</i> , 2019, 14, 36-43.	2.6	1
8	Environmental Concerns Regarding CO ₂ . , 2013, , 415-454.		0