

Arunkumar Samanta

List of Publications by Year in descending order

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9
papers

1,771
citations

1477746

6
h-index

1473754

9
g-index

9
all docs

9
docs citations

9
times ranked

2577
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | Post-Combustion CO ₂ Capture Using Solid Sorbents: A Review. Industrial & Engineering Chemistry Research, 2012, 51, 1438-1463. | 1.8 | 1,524 |
| 2 | Carbon Dioxide Adsorption on Amine-Impregnated Mesoporous SBA-15 Sorbents: Experimental and Kinetics Study. Industrial & Engineering Chemistry Research, 2013, 52, 6480-6491. | 1.8 | 158 |
| 3 | Postcombustion CO ₂ capture using N-(3-trimethoxysilylpropyl)diethylenetriamine-grafted solid adsorbent. Energy Science and Engineering, 2015, 3, 207-220. | 1.9 | 50 |
| 4 | Performance and Kinetic Evaluation of Synthesized CuO/SBA-15 Oxygen Carrier for Chemical Looping with Oxygen Uncoupling. Energy Technology, 2019, 7, 1900407. | 1.8 | 9 |
| 5 | Carbon dioxide capture under postcombustion conditions using amine-functionalized SBA-15: Kinetics and multicyclic performance. Separation Science and Technology, 2018, 53, 2683-2694. | 1.3 | 8 |
| 6 | Evaluation of ash-free coal for chemical looping combustion -part I: Thermogravimetric single cycle study and the reaction mechanism. Canadian Journal of Chemical Engineering, 2017, 95, 623-633. | 0.9 | 7 |
| 7 | Microwave-synthesized high-performance mesoporous SBA-15 silica materials for CO ₂ capture. Korean Journal of Chemical Engineering, 2020, 37, 1951-1962. | 1.2 | 7 |
| 8 | Investigations on the chemical looping with oxygen uncoupling process using Indian coal and copper oxide oxygen carrier. Fuel, 2022, 311, 122546. | 3.4 | 7 |
| 9 | Evaluation of ash-free coal for chemical looping combustion -part II: Thermogravimetric multi-cycle performance. Canadian Journal of Chemical Engineering, 2017, 95, 832-838. | 0.9 | 1 |