

JosÃ©-Francisco PÃ©rez-Calvo

List of Publications by Year in descending order

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13
papers

454
citations

1162367

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391
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Comparison of Technologies for CO ₂ Capture from Cement Production – Part 1: Technical Evaluation. Energies, 2019, 12, 559. | 1.6 | 137 |
| 2 | Comparison of Technologies for CO ₂ Capture from Cement Production – Part 2: Cost Analysis. Energies, 2019, 12, 542. | 1.6 | 135 |
| 3 | Postcombustion CO ₂ Capture: A Comparative Techno-Economic Assessment of Three Technologies Using a Solvent, an Adsorbent, and a Membrane. ACS Engineering Au, 2021, 1, 50-72. | 2.3 | 70 |
| 4 | Optimal design of an MDEA CO ₂ capture plant for low-carbon hydrogen production – A rigorous process optimization approach. Separation and Purification Technology, 2021, 279, 119715. | 3.9 | 25 |
| 5 | Determination of kinetics in batch cooling crystallization processes – A sequential parameter estimation approach. AIChE Journal, 2016, 62, 3992-4012. | 1.8 | 18 |
| 6 | Advanced configurations for post-combustion CO ₂ capture processes using an aqueous ammonia solution as absorbent. Separation and Purification Technology, 2021, 274, 118959. | 3.9 | 18 |
| 7 | Techno-economic assessment of post-combustion CO ₂ capture using aqueous piperazine at different flue gas compositions and flowrates via a general optimization methodology. International Journal of Greenhouse Gas Control, 2022, 114, 103587. | 2.3 | 14 |
| 8 | Application of a Chilled Ammonia-based Process for CO ₂ Capture to Cement Plants. Energy Procedia, 2017, 114, 6197-6205. | 1.8 | 12 |
| 9 | Solid Formation in Ammonia-based Processes for CO ₂ Capture – Turning a Challenge into an Opportunity. Energy Procedia, 2017, 114, 866-872. | 1.8 | 8 |
| 10 | On the optimal design of forward osmosis desalination systems with NH ₃ -CO ₂ -H ₂ O solutions. Environmental Science: Water Research and Technology, 2017, 3, 811-829. | 1.2 | 7 |
| 11 | Rigorous rate-based model for CO ₂ capture via monoethanolamine-based solutions: effect of kinetic models, mass transfer, and holdup correlations on prediction accuracy. Separation Science and Technology, 2021, 56, 1491-1509. | 1.3 | 6 |
| 12 | A methodology for the heuristic optimization of solvent-based CO ₂ capture processes when applied to new flue gas compositions: A case study of the Chilled Ammonia Process for capture in cement plants. Chemical Engineering Science: X, 2020, 8, 100074. | 1.5 | 3 |
| 13 | Density and Viscosity of Aqueous (Ammonia + Carbon Dioxide) Solutions at Atmospheric Pressure and Temperatures between 278.15 and 318.15 K. Journal of Chemical & Engineering Data, 2021, 66, 1787-1801. | 1.0 | 1 |