

Santiago D Salas

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

111
citations

1307594

7
h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

79
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Modular Framework for Simulation-Based Multi-objective Optimization of a Cryogenic Air Separation Unit. ACS Omega, 2022, 7, 11696-11709. | 3.5 | 10 |
| 2 | Many-Objective Simulation-Based Optimization of an Air Separation Unit. IFAC-PapersOnLine, 2021, 54, 522-527. | 0.9 | 2 |
| 3 | Modelling and Temperature Uncertainty Analysis of a Fermentation Bioreactor at an Industrial Brewery. Computer Aided Chemical Engineering, 2021, , 1351-1356. | 0.5 | 0 |
| 4 | A Model-Centric Multivariate Analysis for Reducing H ₂ S Emissions in Wastewater Treatment Plants. Computer Aided Chemical Engineering, 2021, 50, 1599-1604. | 0.5 | 0 |
| 5 | Simulation-Based Analysis of Hydrometallurgical Processes. Case Study: Small-Scale Gold Mining in Ecuador. Minerals (Basel, Switzerland), 2021, 11, 534. | 2.0 | 4 |
| 6 | An intelligent control approach for defect-free friction stir welding. International Journal of Advanced Manufacturing Technology, 2021, 116, 2299-2308. | 3.0 | 2 |
| 7 | A multi-objective evolutionary optimization framework for a natural gas liquids recovery unit. Computers and Chemical Engineering, 2021, 151, 107363. | 3.8 | 9 |
| 8 | Optimization of a Cyclone Reactor for Biomass Hydrolysis through Global Sensitivity Analysis and Stochastic Optimization. Computer Aided Chemical Engineering, 2020, 48, 667-672. | 0.5 | 3 |
| 9 | Online Decoupled Data-Driven Estimation of Nonlinear Kinetic Parameters. Computer Aided Chemical Engineering, 2020, 48, 1231-1236. | 0.5 | 0 |
| 10 | A Decoupled Data-Driven Strategy for Estimating Parameters with Nonlinear Dependence. , 2020, , . | | 1 |
| 11 | Operability assessment on alternative natural gas liquids recovery schemes. Journal of Natural Gas Science and Engineering, 2019, 71, 102974. | 4.4 | 14 |
| 12 | Data-Driven Estimation of Significant Kinetic Parameters Applied to the Synthesis of Polyolefins. Processes, 2019, 7, 309. | 2.8 | 6 |
| 13 | Joint dynamic data reconciliation/parameter estimation: Application to an industrial pyrolysis reactor. Applied Thermal Engineering, 2019, 158, 113726. | 6.0 | 8 |
| 14 | A geometric observer design for a semi-batch free-radical polymerization system. Computers and Chemical Engineering, 2019, 126, 391-402. | 3.8 | 7 |
| 15 | A hybrid heuristic approach for traffic light synchronization based on the MAXBAND. Soft Computing Letters, 2019, 1, 100001. | 3.5 | 7 |
| 16 | Real-Time Nonlinear State Estimation in Polymerization Reactors for Smart Manufacturing. Computer Aided Chemical Engineering, 2018, , 1207-1212. | 0.5 | 3 |
| 17 | Framework design for weight-average molecular weight control in semi-batch polymerization. Control Engineering Practice, 2018, 78, 12-23. | 5.5 | 18 |
| 18 | Optimization of Renewable Energy Businesses under Operational Level Uncertainties through Extensive Sensitivity Analysis and Stochastic Global Optimization. Industrial & Engineering Chemistry Research, 2017, 56, 3360-3372. | 3.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Online DEKF for State Estimation in Semi-Batch Free-Radical Polymerization Reactors. Computer Aided Chemical Engineering, 2017, 40, 1465-1470. | 0.5 | 4 |