

Santiago D Salas

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

111
citations

1307594

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h-index

1372567

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g-index

20
all docs

20
docs citations

20
times ranked

79
citing authors

#	ARTICLE	IF	CITATIONS
1	Framework design for weight-average molecular weight control in semi-batch polymerization. Control Engineering Practice, 2018, 78, 12-23.	5.5	18
2	Operability assessment on alternative natural gas liquids recovery schemes. Journal of Natural Gas Science and Engineering, 2019, 71, 102974.	4.4	14
3	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
4	Modular Framework for Simulation-Based Multi-objective Optimization of a Cryogenic Air Separation Unit. ACS Omega, 2022, 7, 11696-11709.	3.5	10
5	A multi-objective evolutionary optimization framework for a natural gas liquids recovery unit. Computers and Chemical Engineering, 2021, 151, 107363.	3.8	9
6	Joint dynamic data reconciliation/parameter estimation: Application to an industrial pyrolysis reactor. Applied Thermal Engineering, 2019, 158, 113726.	6.0	8
7	A geometric observer design for a semi-batch free-radical polymerization system. Computers and Chemical Engineering, 2019, 126, 391-402.	3.8	7
8	A hybrid heuristic approach for traffic light synchronization based on the MAXBAND. Soft Computing Letters, 2019, 1, 100001.	3.5	7
9	Data-Driven Estimation of Significant Kinetic Parameters Applied to the Synthesis of Polyolefins. Processes, 2019, 7, 309.	2.8	6
10	Online DEKF for State Estimation in Semi-Batch Free-Radical Polymerization Reactors. Computer Aided Chemical Engineering, 2017, 40, 1465-1470.	0.5	4
11	Simulation-Based Analysis of Hydrometallurgical Processes. Case Study: Small-Scale Gold Mining in Ecuador. Minerals (Basel, Switzerland), 2021, 11, 534.	2.0	4
12	Real-Time Nonlinear State Estimation in Polymerization Reactors for Smart Manufacturing. Computer Aided Chemical Engineering, 2018, , 1207-1212.	0.5	3
13	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
14	Many-Objective Simulation-Based Optimization of an Air Separation Unit. IFAC-PapersOnLine, 2021, 54, 522-527.	0.9	2
15	An intelligent control approach for defect-free friction stir welding. International Journal of Advanced Manufacturing Technology, 2021, 116, 2299-2308.	3.0	2
16	A Decoupled Data-Driven Strategy for Estimating Parameters with Nonlinear Dependence. , 2020, , .		1
17	Online Decoupled Data-Driven Estimation of Nonlinear Kinetic Parameters. Computer Aided Chemical Engineering, 2020, 48, 1231-1236.	0.5	0
18	Modelling and Temperature Uncertainty Analysis of a Fermentation Bioreactor at an Industrial Brewery. Computer Aided Chemical Engineering, 2021, , 1351-1356.	0.5	0

#	ARTICLE	IF	CITATIONS
19	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