

Faisal Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

257
citations

1163117
8
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1281871
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g-index

11
all docs

11
docs citations

11
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane separation processes for dehydration of bioethanol from fermentation broths: Recent developments, challenges, and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 105, 427-443.	16.4	94
2	A recursive PLS-based soft sensor for prediction of the melt index during grade change operations in HDPE plant. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 14-20.	2.7	54
3	A real-time model based on least squares support vector machines and output bias update for the prediction of NO _x emission from coal-fired power plant. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1029-1036.	2.7	31
4	Life-cycle greenhouse gas emissions and energy balances of a biodiesel production from palm fatty acid distillate (PFAD). <i>Applied Energy</i> , 2013, 111, 479-488.	10.1	27
5	Statistical data modeling based on partial least squares: Application to melt index predictions in high density polyethylene processes to achieve energy-saving operation. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 11-19.	2.7	12
6	A Fast Converging and Consistent Teaching-Learning-Self-Study Algorithm for Optimization: A Case Study of Tuning of LSSVM Parameters for the Prediction of NO _x Emissions from a Tangentially Fired Pulverized Coal Boiler. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 273-290.	0.6	12
7	Prediction of NO _x Emission from Coal Fired Power Plant Based on Real-Time Model Updates and Output Bias Update. <i>Journal of Chemical Engineering of Japan</i> , 2015, 48, 35-43.	0.6	9
8	A New Soft Sensor Based on Recursive Partial Least Squares for Online Melt Index Predictions in Grade-Changing HDPE Operations. <i>Chemical Product and Process Modeling</i> , 2009, 4, .	0.9	8
9	Comprehensive Comparison of Hetero-Homogeneous Catalysts for Fatty Acid Methyl Ester Production from Non-Edible <i>Jatropha curcas</i> Oil. <i>Catalysts</i> , 2021, 11, 1420.	3.5	7
10	A Kinetic Study for the Noncatalytic Esterification of Palm Fatty Acid Distillate. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 489-500.	1.6	2
11	A comparative study of teaching-learning-self-study algorithms on benchmark function optimization. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 628-641.	2.7	1