

# Ajaya Kumar Pani

## List of Publications by Year in descending order

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21  
papers

339  
citations

932766

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h-index

1125271

13  
g-index

21  
all docs

21  
docs citations

21  
times ranked

242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-linear process monitoring using kernel principal component analysis: A review of the basic and modified techniques with industrial applications. Brazilian Journal of Chemical Engineering, 2022, 39, 327-344.	0.7	6
2	Adaptive non-linear soft sensor for quality monitoring in refineries using Just-in-Time Learning Generalized regression neural network approach. Applied Soft Computing Journal, 2022, 119, 108546.	4.1	9
3	Fault Detection of Complex Processes Using nonlinear Mean Function Based Gaussian Process Regression: Application to the Tennessee Eastman Process. Arabian Journal for Science and Engineering, 2021, 46, 6369-6390.	1.7	4
4	Support vector regression modeling in recursive just-in-time learning framework for adaptive soft sensing of naphtha boiling point in crude distillation unit. Petroleum Science, 2021, 18, 1230-1239.	2.4	14
5	Variable selection and modeling from NIR spectra data: A case study of diesel quality prediction using LASSO and Regression Tree. , 2020, , .		2
6	Temperature Optimization in Non-isothermal Tubular Reactor using Genetic Algorithm. , 2020, , .		0
7	Back Pressure Monitoring of Power Plant Condenser Using Multiple Adaptive Regression Spline. Advances in Intelligent Systems and Computing, 2020, , 1-10.	0.5	0
8	Pollutant monitoring in tail gas of sulfur recovery unit with statistical and soft computing models. Chemical Engineering Communications, 2019, 206, 69-85.	1.5	11
9	Quality monitoring in petroleum refinery with regression neural network: Improving prediction accuracy with appropriate design of training set. Measurement: Journal of the International Measurement Confederation, 2019, 134, 698-709.	2.5	28
10	Real-time quality monitoring in debutanizer column with regression tree and ANFIS. Journal of Industrial Engineering International, 2019, 15, 41-51.	1.8	12
11	Software sensor development for product concentration monitoring in fed-batch fermentation process using dynamic principal component regression. , 2018, , .		0
12	Inferential Sensing of Output Quality in Petroleum Refinery Using Principal Component Regression and Support Vector Regression. , 2017, , .		6
13	Online monitoring of cement clinker quality using multivariate statistics and Takagi-Sugeno fuzzy-inference technique. Control Engineering Practice, 2016, 57, 1-17.	3.2	38
14	Soft sensing of product quality in the debutanizer column with principal component analysis and feed-forward artificial neural network. AEJ - Alexandria Engineering Journal, 2016, 55, 1667-1674.	3.4	36
15	Online monitoring and control of particle size in the grinding process using least square support vector regression and resilient back propagation neural network. ISA Transactions, 2015, 56, 206-221.	3.1	42
16	Soft sensing of particle size in a grinding process: Application of support vector regression, fuzzy inference and adaptive neuro fuzzy inference techniques for online monitoring of cement fineness. Powder Technology, 2014, 264, 484-497.	2.1	36
17	Development and comparison of neural network based soft sensors for online estimation of cement clinker quality. ISA Transactions, 2013, 52, 19-29.	3.1	63
18	A hybrid soft sensing approach of a cement mill using principal component analysis and artificial neural networks. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
19	Data driven soft sensor of a cement mill using generalized regression neural network. , 2012, , .		9
20	Neural Network Soft Sensor Application in Cement Industry: Prediction of Clinker Quality Parameters. , 2011, , .		4
21	A Survey of Data Treatment Techniques for Soft Sensor Design. Chemical Product and Process Modeling. 2011, 6, .	0.5	15