

Xinmin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

353
citations

840776

11
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

227
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of deep and shallow predictive techniques for hot metal temperature prediction in blast furnace ironmaking. Computers and Chemical Engineering, 2019, 130, 106575.	3.8	56
2	Locally weighted kernel partial least squares regression based on sparse nonlinear features for virtual sensing of nonlinear time-varying processes. Computers and Chemical Engineering, 2017, 104, 164-171.	3.8	49
3	Imbalanced Sample Selection With Deep Reinforcement Learning for Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2022, 18, 2518-2527.	11.3	42
4	Quality Prediction in Complex Batch Processes with Just-in-Time Learning Model Based on Non-Gaussian Dissimilarity Measure. Industrial & Engineering Chemistry Research, 2015, 54, 7694-7705.	3.7	36
5	Ensemble pattern trees for predicting hot metal temperature in blast furnace. Computers and Chemical Engineering, 2019, 121, 442-449.	3.8	36
6	Prediction and causal analysis of defects in steel products: Handling nonnegative and highly overdispersed count data. Control Engineering Practice, 2020, 95, 104258.	5.5	31
7	DSTED: A Denoising Spatial-Temporal Encoder-Decoder Framework for Multistep Prediction of Burn-Through Point in Sintering Process. IEEE Transactions on Industrial Electronics, 2022, 69, 10735-10744.	7.9	18
8	Fast Locally Weighted PLS Modeling for Large-Scale Industrial Processes. Industrial & Engineering Chemistry Research, 2020, 59, 20779-20786.	3.7	17
9	Optimal Weighting Distance-Based Similarity for Locally Weighted PLS Modeling. Industrial & Engineering Chemistry Research, 2020, 59, 11552-11558.	3.7	15
10	Principal Polynomial Analysis for Fault Detection and Diagnosis of Industrial Processes. IEEE Access, 2018, 6, 52298-52307.	4.2	13
11	Quality-relevant independent component regression model for virtual sensing application. Computers and Chemical Engineering, 2018, 115, 141-149.	3.8	13
12	Regression and independence based variable importance measure. Computers and Chemical Engineering, 2020, 135, 106757.	3.8	7
13	Feature-Aligned Stacked Autoencoder: A Novel Semisupervised Deep Learning Model for Pattern Classification of Industrial Faults. IEEE Transactions on Artificial Intelligence, 2023, 4, 592-601.	4.7	7
14	Pattern trees modeling for prediction and control of hot metal temperature in blast furnace ironmaking. , 2017, , .		4
15	Defect Data Modeling and Analysis for Improving Product Quality and Productivity in Steel Industry. Computer Aided Chemical Engineering, 2018, 44, 2233-2238.	0.5	4
16	Cumulative dual-branch network framework for long-tailed multi-class classification. Engineering Applications of Artificial Intelligence, 2022, 114, 105080.	8.1	3
17	Soft-sensor reliability evaluation and y-analyzer fault identification with applications to vinyl acetate monomer (VAM) benchmark process. , 2017, , .		1
18	Poisson mixture model for defects prediction in steelmaking. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Lognormal and Gamma mixed negative binomial model for defects prediction in steel products. , 2021, , .		0
20	Identification of important factors influencing nonlinear counting systems. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 123-133.	2.6	0