

# Xinmin Zhang

## List of Publications by Year in descending order

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20  
papers

353  
citations

840776

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996975

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g-index

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docs citations

20  
times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Imbalanced Sample Selection With Deep Reinforcement Learning for Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2022, 18, 2518-2527.	11.3	42
3	Identification of important factors influencing nonlinear counting systems. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 123-133.	2.6	0
4	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
5	Cumulative dual-branch network framework for long-tailed multi-class classification. Engineering Applications of Artificial Intelligence, 2022, 114, 105080.	8.1	3
6	Lognormal and Gamma mixed negative binomial model for defects prediction in steel products. , 2021, , .		0
7	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
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	Regression and independence based variable importance measure. Computers and Chemical Engineering, 2020, 135, 106757.	3.8	7
11	Poisson mixture model for defects prediction in steelmaking. , 2019, , .		1
12	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
13	Ensemble pattern trees for predicting hot metal temperature in blast furnace. Computers and Chemical Engineering, 2019, 121, 442-449.	3.8	36
14	Principal Polynomial Analysis for Fault Detection and Diagnosis of Industrial Processes. IEEE Access, 2018, 6, 52298-52307.	4.2	13
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	Quality-relevant independent component regression model for virtual sensing application. Computers and Chemical Engineering, 2018, 115, 141-149.	3.8	13
17	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
18	Pattern trees modeling for prediction and control of hot metal temperature in blast furnace ironmaking. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Soft-sensor reliability evaluation and y-analyzer fault identification with applications to vinyl acetate monomer (VAM) benchmark process. , 2017, , .		1
20	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