

Ke Yan

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,069
citations

196777

29
h-index

190340

53
g-index

101
all docs

101
docs citations

101
times ranked

2515
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Transfer Learning for Cross-Species Plant Disease Diagnosis Adapting Mixed Subdomains. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 2555-2564.	1.9	10
2	Chiller Fault Diagnosis Based on VAE-Enabled Generative Adversarial Networks. IEEE Transactions on Automation Science and Engineering, 2022, 19, 387-395.	3.4	47
3	Highly accurate energy consumption forecasting model based on parallel LSTM neural networks. Advanced Engineering Informatics, 2022, 51, 101442.	4.0	66
4	A distributed learning based sentiment analysis methods with Web applications. World Wide Web, 2022, 25, 1905-1922.	2.7	7
5	Collaborative deep learning framework on IoT data with bidirectional NLSTM neural networks for energy consumption forecasting. Journal of Parallel and Distributed Computing, 2022, 163, 248-255.	2.7	29
6	Enhancing Interpretability of Data-Driven Fault Detection and Diagnosis Methodology with Maintainability Rules in Smart Building Management. Journal of Sensors, 2022, 2022, 1-48.	0.6	19
7	Chiller faults detection and diagnosis with sensor network and adaptive 1D CNN. Digital Communications and Networks, 2022, 8, 531-539.	2.7	30
8	Comparison of models for predicting winter individual thermal comfort based on machine learning algorithms. Building and Environment, 2022, 215, 108970.	3.0	27
9	A Novel Anchorless Node Positioning Method for Wireless Sensor Network. Journal of Sensors, 2022, 2022, 1-10.	0.6	1
10	AI Empowered Virtual Reality Integrated Systems for Sleep Stage Classification and Quality Enhancement. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1494-1503.	2.7	4
11	Potential Benefits for Residential Building with Photovoltaic Battery System Participation in Peer-to-Peer Energy Trading. Energies, 2022, 15, 3913.	1.6	4
12	A space-embedding strategy for anomaly detection in multivariate time series. Expert Systems With Applications, 2022, 206, 117892.	4.4	8
13	Gait classification through CNN-based ensemble learning. Multimedia Tools and Applications, 2021, 80, 1565-1581.	2.6	12
14	A hybrid deep learning technology for PM2.5 air quality forecasting. Environmental Science and Pollution Research, 2021, 28, 39409-39422.	2.7	58
15	Guest Editorial: Machine Learning for AI-Enhanced Healthcare and Medical Services: New Development and Promising Solution. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 850-851.	1.9	7
16	Multi-Task Learning for Sentiment Analysis with Hard-Sharing and Task Recognition Mechanisms. Information (Switzerland), 2021, 12, 207.	1.7	13
17	Deep Learning Enhanced Solar Energy Forecasting with AI-Driven IoT. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	23
18	Chiller fault detection and diagnosis with anomaly detective generative adversarial network. Building and Environment, 2021, 201, 107982.	3.0	61

#	ARTICLE	IF	CITATIONS
19	Deep Learning Neural Network Model for Tunnel Ground Surface Settlement Prediction Based on Sensor Data. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-14.	0.6	14
20	Multivariate Air Quality Forecasting With Nested Long Short Term Memory Neural Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 8514-8522.	7.2	57
21	A deep learning model for PM2.5 concentration prediction. , 2021, , .		2
22	Short-term Solar Irradiation Prediction Model Based on WCNN_ALSTM. , 2021, , .		4
23	Multi-task sentiment classification model based on DistilBert and multi-scale CNN. , 2021, , .		2
24	Innovative Digital Twin Platform Construction for Smart Grid System. , 2021, , .		2
25	Parallel LSTM Enhanced Forecasting System for Dependable and Secure Household Energy Consumption. , 2021, , .		0
26	Intelligent and Automated Fault Detection and Diagnosis Strategy for HVAC Systems Based on Maintainability Rules for Construction 4.0. , 2021, , .		1
27	Intelligent maintenance frameworks of large-scale grid using genetic algorithm and K-Medoids clustering methods. <i>World Wide Web</i> , 2020, 23, 1177-1195.	2.7	15
28	Unsupervised learning for fault detection and diagnosis of air handling units. <i>Energy and Buildings</i> , 2020, 210, 109689.	3.1	103
29	Tunnel Surface Settlement Forecasting with Ensemble Learning. <i>Sustainability</i> , 2020, 12, 232.	1.6	30
30	Guest Editorial: AI and Machine Learning Solution Cyber Intelligence Technologies: New Methodologies and Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6626-6631.	7.2	27
31	Generative adversarial network for fault detection diagnosis of chillers. <i>Building and Environment</i> , 2020, 172, 106698.	3.0	107
32	Short-Term Solar Irradiance Forecasting Based on a Hybrid Deep Learning Methodology. <i>Information (Switzerland)</i> , 2020, 11, 32.	1.7	51
33	Multi-Task Learning Model Based on Multi-Scale CNN and LSTM for Sentiment Classification. <i>IEEE Access</i> , 2020, 8, 77060-77072.	2.6	79
34	Power ramp-rates of utility-scale PV systems under passing clouds: Module-level emulation with cloud shadow modeling. <i>Applied Energy</i> , 2020, 268, 114980.	5.1	33
35	Evaluating Ensemble Learning Impact on Gene Selection for Automated Cancer Diagnosis. <i>Studies in Computational Intelligence</i> , 2020, , 183-186.	0.7	2
36	Improved Cascade R-CNN for Medical Images of Pulmonary Nodules Detection Combining Dilated HRNet. , 2020, , .		2

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37	Modified Hybrid Task Cascade for Lung Nodules Segmentation in CT Images with Guided Anchoring. , 2020, , .		0
38	Children's Drawing Psychological Analysis using Shallow Convolutional Neural Network. , 2020, , .		4
39	Fault Detection and Diagnosis of Chillers with S&D Convolutional Neural Network. , 2020, , .		4
40	MPPT Perturbation Optimization of Photovoltaic Power Systems Based on Solar Irradiance Data Classification. IEEE Transactions on Sustainable Energy, 2019, 10, 514-521.	5.9	59
41	GPredicates: GPU Implementation of Robust and Adaptive Floating-Point Predicates for Computational Geometry. IEEE Access, 2019, 7, 60868-60876.	2.6	4
42	Short-Term Photovoltaic Power Forecasting Based on Long Short Term Memory Neural Network and Attention Mechanism. IEEE Access, 2019, 7, 78063-78074.	2.6	240
43	Emerging Privacy Issues and Solutions in Cyber-Enabled Sharing Services: From Multiple Perspectives. IEEE Access, 2019, 7, 26031-26059.	2.6	24
44	Modern Machine Learning Techniques for Univariate Tunnel Settlement Forecasting: A Comparative Study. Mathematical Problems in Engineering, 2019, 2019, 1-12.	0.6	35
45	Energy Efficiency Solutions for Buildings: Automated Fault Diagnosis of Air Handling Units Using Generative Adversarial Networks. Energies, 2019, 12, 527.	1.6	47
46	Representing implicit surfaces satisfying Lipschitz conditions by 4-dimensional point sets. Applied Mathematics and Computation, 2019, 354, 42-57.	1.4	2
47	Automatic geometry calibration for multi-projector display systems with arbitrary continuous curved surfaces. IET Image Processing, 2019, 13, 1050-1055.	1.4	6
48	Forecasting Based Virtual Inertia Control of PV Systems for Islanded Micro-Grid. , 2019, , .		6
49	Design and Simulation of Peer-to-Peer Energy Trading Framework with Dynamic Electricity Price. , 2019, , .		9
50	Virtual Reality Therapy and Machine Learning Techniques in Drug Addiction Treatment. , 2019, , .		14
51	Constructing Knowledge Graph from Big Data of Smart Grids. , 2019, , .		9
52	Breast Cancer Histopathological Image Classification using Deep Learning. , 2019, , .		11
53	Improved Mask R-CNN for Lung Nodule Segmentation. , 2019, , .		10
54	A Hybrid LSTM Neural Network for Energy Consumption Forecasting of Individual Households. IEEE Access, 2019, 7, 157633-157642.	2.6	136

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55	Learning misclassification costs for imbalanced classification on gene expression data. BMC Bioinformatics, 2019, 20, 681.	1.2	16
56	Life Assistants for the Elderly Based on Mobile Devices. , 2019, , .		2
57	Deep Learning Technology for Chiller Faults Diagnosis. , 2019, , .		7
58	A novel computational approach for discord search with local recurrence rates in multivariate time series. Information Sciences, 2019, 477, 220-233.	4.0	35
59	Immersive human-computer interactive virtual environment using large-scale display system. Future Generation Computer Systems, 2019, 96, 649-659.	4.9	17
60	Fast and Accurate Classification of Time Series Data Using Extended ELM: Application in Fault Diagnosis of Air Handling Units. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1349-1356.	5.9	77
61	Kernel principal component analysis combining rotation forest method for linearly inseparable data. Cognitive Systems Research, 2019, 53, 111-122.	1.9	25
62	Random Convolutional Neural Network Based on Distributed Computing with Decentralized Architecture. Lecture Notes in Computer Science, 2019, , 504-510.	1.0	0
63	Hand gesture recognition based on concentric circular scan lines and weighted K-nearest neighbor algorithm. Multimedia Tools and Applications, 2018, 77, 209-223.	2.6	17
64	Gait recognition based on Gabor wavelets and (2D)2PCA. Multimedia Tools and Applications, 2018, 77, 12545-12561.	2.6	35
65	Accelerating smooth molecular surface calculation. Journal of Mathematical Biology, 2018, 76, 779-793.	0.8	7
66	Automatic color correction for multi-projector display systems. Multimedia Tools and Applications, 2018, 77, 13115-13132.	2.6	3
67	Cost-sensitive and sequential feature selection for chiller fault detection and diagnosis. International Journal of Refrigeration, 2018, 86, 401-409.	1.8	100
68	A Hybrid Ensemble Algorithm Combining AdaBoost and Genetic Algorithm for Cancer Classification with Gene Expression Data. , 2018, , .		5
69	Cross-Scene Feature Selection for Hyperspectral Images Based on Cross-Domain Information Gain. , 2018, , .		5
70	Multi-Step Short-Term Power Consumption Forecasting with a Hybrid Deep Learning Strategy. Energies, 2018, 11, 3089.	1.6	124
71	An Extended Genetic Algorithm Based Gene Selection Framework for Cancer Diagnosis. , 2018, , .		3
72	An Improved Tikhonov Method for Magnetic Induction Tomography. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
73	DNN-Based Image Classification for Software GUI Testing. , 2018, , .		4
74	Extracting Photoplethysmographic Waveform from Bulbar Conjunctiva Video. , 2018, , .		0
75	Intelligent Placement Model Based on Decision Tree. , 2018, , .		1
76	Vote Parallel SVM: An Extension of Parallel Support Vector Machine. , 2018, , .		1
77	Data-Driven Intelligent Maintenance Planning of Smart Meter Repairs for Large-Scale Smart Electric Power Grid. , 2018, , .		10
78	Semi-supervised learning for early detection and diagnosis of various air handling unit faults. Energy and Buildings, 2018, 181, 75-83.	3.1	112
79	Designing Localized MPPT for PV Systems Using Fuzzy-Weighted Extreme Learning Machine. Energies, 2018, 11, 2615.	1.6	42
80	Detecting Anomalies in Time Series Data via a Meta-Feature Based Approach. IEEE Access, 2018, 6, 27760-27776.	2.6	60
81	Learning Misclassification Costs for Imbalanced Datasets, Application in Gene Expression Data Classification. Lecture Notes in Computer Science, 2018, , 513-519.	1.0	2
82	Multi- ϵ -Variate Gaussian-Based Inverse Kinematics. Computer Graphics Forum, 2017, 36, 418-428.	1.8	9
83	A hybrid feature selection algorithm for gene expression data classification. Neurocomputing, 2017, 256, 56-62.	3.5	263
84	Online fault detection methods for chillers combining extended kalman filter and recursive one-class SVM. Neurocomputing, 2017, 228, 205-212.	3.5	105
85	A cost-sensitive rotation forest algorithm for gene expression data classification. Neurocomputing, 2017, 228, 270-276.	3.5	64
86	Hybrid Adaboost based on Genetic Algorithm for Gene Expression Data Classification. , 2017, , .		1
87	A Method of Determining the Cost Weight with High-Dimensional Fitting. , 2017, , .		0
88	ChildGuard: A Child-Safety Monitoring System. IEEE MultiMedia, 2017, 24, 48-57.	1.5	4
89	A linear programming computational framework integrates phosphor-proteomics and prior knowledge to predict drug efficacy. BMC Systems Biology, 2017, 11, 127.	3.0	8
90	Mathematical and Computational Modeling in Complex Biological Systems. BioMed Research International, 2017, 2017, 1-16.	0.9	64

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91	Molecular Skin Surface-Based Transformation Visualization between Biological Macromolecules. Journal of Healthcare Engineering, 2017, 2017, 1-12.	1.1	7
92	Classifying Non-linear Gene Expression Data Using a Novel Hybrid Rotation Forest Method. Lecture Notes in Computer Science, 2017, , 732-743.	1.0	2
93	Applying Cost-Sensitive Extreme Learning Machine and Dissimilarity Integration to Gene Expression Data Classification. Computational Intelligence and Neuroscience, 2016, 2016, 1-9.	1.1	23
94	Construction of Open Teaching Platform Based on Cloud Computing for Computer Education. , 2016, , .		1
95	Robust model-based fault diagnosis for air handling units. Energy and Buildings, 2015, 86, 698-707.	3.1	103
96	ARX model based fault detection and diagnosis for chillers using support vector machines. Energy and Buildings, 2014, 81, 287-295.	3.1	124
97	On Simplifying Deformation of Smooth Manifolds Defined by Large Weighted Point Sets. Lecture Notes in Computer Science, 2013, , 150-161.	1.0	1
98	Single-channel EEG automatic sleep staging based on transition optimized HMM. Multimedia Tools and Applications, 0, , .	2.6	0