Ke Yan

List of Publications by Year
in descending order

98 papers	3,069 citations	172457 29 h-index	168389 53 g-index
101 all docs	101 docs citations	101 times ranked	2262 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.	3.0	10
2	Chiller Fault Diagnosis Based on VAE-Enabled Generative Adversarial Networks. IEEE Transactions on Automation Science and Engineering, 2022, 19, 387-395.	5.2	47
3	Highly accurate energy consumption forecasting model based on parallel LSTM neural networks. Advanced Engineering Informatics, 2022, 51, 101442.	8.0	66
4	A distributed learning based sentiment analysis methods with Web applications. World Wide Web, 2022, 25, 1905-1922.	4.0	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.	4.1	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.	1.1	19
7	Chiller faults detection and diagnosis with sensor network and adaptive 1D CNN. Digital Communications and Networks, 2022, 8, 531-539.	5.0	30
8	Comparison of models for predicting winter individual thermal comfort based on machine learning algorithms. Building and Environment, 2022, 215, 108970.	6.9	27
9	A Novel Anchorless Node Positioning Method for Wireless Sensor Network. Journal of Sensors, 2022, 2022, 1-10.	1.1	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.	4.9	4
11	Potential Benefits for Residential Building with Photovoltaic Battery System Participation in Peer-to-Peer Energy Trading. Energies, 2022, 15, 3913.	3.1	4
12	A space-embedding strategy for anomaly detection in multivariate time series. Expert Systems With Applications, 2022, 206, 117892.	7.6	8
13	Gait classification through CNN-based ensemble learning. Multimedia Tools and Applications, 2021, 80, 1565-1581.	3.9	12
14	A hybrid deep learning technology for PM2.5 air quality forecasting. Environmental Science and Pollution Research, 2021, 28, 39409-39422.	5.3	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.	3.0	7
16	Multi-Task Learning for Sentiment Analysis with Hard-Sharing and Task Recognition Mechanisms. Information (Switzerland), 2021, 12, 207.	2.9	13
17	Deep Learning Enhanced Solar Energy Forecasting with AI-Driven IoT. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	23
18	Chiller fault detection and diagnosis with anomaly detective generative adversarial network. Building and Environment, 2021, 201, 107982.	6.9	61

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19	Deep Learning Neural Network Model for Tunnel Ground Surface Settlement Prediction Based on Sensor Data. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	14
20	Multivariate Air Quality Forecasting With Nested Long Short Term Memory Neural Network. IEEE Transactions on Industrial Informatics, 2021, 17, 8514-8522.	11.3	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-Mediods clustering methods. World Wide Web, 2020, 23, 1177-1195.	4.0	15
28	Unsupervised learning for fault detection and diagnosis of air handling units. Energy and Buildings, 2020, 210, 109689.	6.7	103
29	Tunnel Surface Settlement Forecasting with Ensemble Learning. Sustainability, 2020, 12, 232.	3.2	30
30	Guest Editorial: AI and Machine Learning Solution Cyber Intelligence Technologies: New Methodologies and Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 6626-6631.	11.3	27
31	Generative adversarial network for fault detection diagnosis of chillers. Building and Environment, 2020, 172, 106698.	6.9	107
32	Short-Term Solar Irradiance Forecasting Based on a Hybrid Deep Learning Methodology. Information (Switzerland), 2020, 11, 32.	2.9	51
33	Multi-Task Learning Model Based on Multi-Scale CNN and LSTM for Sentiment Classification. IEEE Access, 2020, 8, 77060-77072.	4.2	79
34	Power ramp-rates of utility-scale PV systems under passing clouds: Module-level emulation with cloud shadow modeling. Applied Energy, 2020, 268, 114980.	10.1	33
35	Evaluating Ensemble Learning Impact on Gene Selection for Automated Cancer Diagnosis. Studies in Computational Intelligence, 2020, , 183-186.	0.9	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.	8.8	59
41	GPredicates: GPU Implementation of Robust and Adaptive Floating-Point Predicates for Computational Geometry. IEEE Access, 2019, 7, 60868-60876.	4.2	4
42	Short-Term Photovoltaic Power Forecasting Based on Long Short Term Memory Neural Network and Attention Mechanism. IEEE Access, 2019, 7, 78063-78074.	4.2	240
43	Emerging Privacy Issues and Solutions in Cyber-Enabled Sharing Services: From Multiple Perspectives. IEEE Access, 2019, 7, 26031-26059.	4.2	24
44	Modern Machine Learning Techniques for Univariate Tunnel Settlement Forecasting: A Comparative Study. Mathematical Problems in Engineering, 2019, 2019, 1-12.	1.1	35
45	Energy Efficiency Solutions for Buildings: Automated Fault Diagnosis of Air Handling Units Using Generative Adversarial Networks. Energies, 2019, 12, 527.	3.1	47
46	Representing implicit surfaces satisfying Lipschitz conditions by 4-dimensional point sets. Applied Mathematics and Computation, 2019, 354, 42-57.	2.2	2
47	Automatic geometry calibration for multiâ€projector display systems with arbitrary continuous curved surfaces. IET Image Processing, 2019, 13, 1050-1055.	2.5	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.	4.2	136

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55	Learning misclassification costs for imbalanced classification on gene expression data. BMC Bioinformatics, 2019, 20, 681.	2.6	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.	6.9	35
59	Immersive human–computer interactive virtual environment using large-scale display system. Future Generation Computer Systems, 2019, 96, 649-659.	7.5	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.	9.3	77
61	Kernel principal component analysis combining rotation forest method for linearly inseparable data. Cognitive Systems Research, 2019, 53, 111-122.	2.7	25
62	Random Convolutional Neural Network Based on Distributed Computing with Decentralized Architecture. Lecture Notes in Computer Science, 2019, , 504-510.	1.3	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.	3.9	17
64	Gait recognition based on Gabor wavelets and (2D)2PCA. Multimedia Tools and Applications, 2018, 77, 12545-12561.	3.9	35
65	Accelerating smooth molecular surface calculation. Journal of Mathematical Biology, 2018, 76, 779-793.	1.9	7
66	Automatic color correction for multi-projector display systems. Multimedia Tools and Applications, 2018, 77, 13115-13132.	3.9	3
67	Cost-sensitive and sequential feature selection for chiller fault detection and diagnosis. International Journal of Refrigeration, 2018, 86, 401-409.	3.4	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.	3.1	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

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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 Reparations 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.	6.7	112
79	Designing Localized MPPT for PV Systems Using Fuzzy-Weighted Extreme Learning Machine. Energies, 2018, 11, 2615.	3.1	42
80	Detecting Anomalies in Time Series Data via a Meta-Feature Based Approach. IEEE Access, 2018, 6, 27760-27776.	4.2	60
81	Learning Misclassification Costs for Imbalanced Datasets, Application in Gene Expression Data Classification. Lecture Notes in Computer Science, 2018, , 513-519.	1.3	2
82	Multiâ€Variate Gaussianâ€Based Inverse Kinematics. Computer Graphics Forum, 2017, 36, 418-428.	3.0	9
83	A hybrid feature selection algorithm for gene expression data classification. Neurocomputing, 2017, 256, 56-62.	5.9	263
84	Online fault detection methods for chillers combining extended kalman filter and recursive one-class SVM. Neurocomputing, 2017, 228, 205-212.	5.9	105
85	A cost-sensitive rotation forest algorithm for gene expression data classification. Neurocomputing, 2017, 228, 270-276.	5.9	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.	1.7	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.	1.9	64

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91	Molecular Skin Surface-Based Transformation Visualization between Biological Macromolecules. Journal of Healthcare Engineering, 2017, 2017, 1-12.	1.9	7
92	Classifying Non-linear Gene Expression Data Using a Novel Hybrid Rotation Forest Method. Lecture Notes in Computer Science, 2017, , 732-743.	1.3	2
93	Applying Cost-Sensitive Extreme Learning Machine and Dissimilarity Integration to Gene Expression Data Classification. Computational Intelligence and Neuroscience, 2016, 2016, 1-9.	1.7	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.	6.7	103
96	ARX model based fault detection and diagnosis for chillers using support vector machines. Energy and Buildings, 2014, 81, 287-295.	6.7	124
97	On Simplifying Deformation of Smooth Manifolds Defined by Large Weighted Point Sets. Lecture Notes in Computer Science, 2013, , 150-161.	1.3	1
98	Single-channel EEG automatic sleep staging based on transition optimized HMM. Multimedia Tools and Applications, 0, , .	3.9	0