

Zhiyuan Luo

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

516
citations

759233

12
h-index

752698

20
g-index

38
all docs

38
docs citations

38
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study of the intrinsic stability of random forest variable importance measures. BMC Bioinformatics, 2016, 17, 60.	2.6	114
2	Improved PLS regression based on SVM classification for rapid analysis of coal properties by near-infrared reflectance spectroscopy. Sensors and Actuators B: Chemical, 2014, 193, 723-729.	7.8	53
3	An electronic nose-based assistive diagnostic prototype for lung cancer detection with conformal prediction. Measurement: Journal of the International Measurement Confederation, 2020, 158, 107588.	5.0	31
4	Gene Selection for Cancer Classification using Wilcoxon Rank Sum Test and Support Vector Machine. , 2006, , .		27
5	Silent Speech Decoding Using Spectrogram Features Based on Neuromuscular Activities. Brain Sciences, 2020, 10, 442.	2.3	24
6	A survey of deep learning approaches for WiFi-based indoor positioning. Journal of Information and Telecommunication, 2022, 6, 163-216.	2.8	22
7	Epidemic contact tracing with smartphone sensors. Journal of Location Based Services, 2020, 14, 92-128.	1.9	21
8	A review of smartphonesâ€based indoor positioning: Challenges and applications. IET Cyber-Systems and Robotics, 2021, 3, 1-30.	1.8	19
9	Comparison and data fusion of an electronic nose and near-infrared reflectance spectroscopy for the discrimination of ginsengs. Analytical Methods, 2016, 8, 1265-1273.	2.7	18
10	An optimized multi-classifiers ensemble learning for identification of ginsengs based on electronic nose. Sensors and Actuators A: Physical, 2017, 266, 135-144.	4.1	15
11	Conformal predictors in early diagnostics of ovarian and breast cancers. Progress in Artificial Intelligence, 2012, 1, 245-257.	2.4	14
12	Conformal Prediction Based on K-Nearest Neighbors for Discrimination of Ginsengs by a Home-Made Electronic Nose. Sensors, 2017, 17, 1869.	3.8	14
13	Inductive conformal prediction for silent speech recognition. Journal of Neural Engineering, 2020, 17, 066019.	3.5	14
14	Improved analysis of inorganic coal properties based on near-infrared reflectance spectroscopy. Analytical Methods, 2015, 7, 5282-5288.	2.7	12
15	On assessing the positioning accuracy of Google Tango in challenging indoor environments. , 2017, , .		11
16	Co-location epidemic tracking on London public transports using low power mobile magnetometer. , 2017, , .		11
17	Reliable classification of childhood acute leukaemia from gene expression data using confidence machines. , 0, , .		9
18	Multiprobabilistic prediction in early medical diagnoses. Annals of Mathematics and Artificial Intelligence, 2015, 74, 203-222.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Discrimination of Different Species of Dendrobium with an Electronic Nose Using Aggregated Conformal Predictor. <i>Sensors</i> , 2019, 19, 964.	3.8	8
20	Network Traffic Demand Prediction with Confidence. , 2008, , .		7
21	Reliable indoor location prediction using conformal prediction. <i>Annals of Mathematics and Artificial Intelligence</i> , 2015, 74, 133-153.	1.3	7
22	Boost AI Power: Data Augmentation Strategies With Unlabeled Data and Conformal Prediction, a Case in Alternative Herbal Medicine Discrimination With Electronic Nose. <i>IEEE Sensors Journal</i> , 2021, 21, 22995-23005.	4.7	7
23	Recognition of hypoxia EEG with a preset confidence level based on EEG analysis. , 2008, , .		6
24	Recurrent Auto-Encoder Model for Large-Scale Industrial Sensor Signal Analysis. <i>Communications in Computer and Information Science</i> , 2018, , 203-216.	0.5	6
25	Location Tracking Using Smartphone Accelerometer and Magnetometer Traces. , 2019, , .		6
26	RELIABLE PROBABILISTIC CLASSIFICATION OF INTERNET TRAFFIC. <i>International Journal of Information Acquisition</i> , 2009, 06, 133-146.	0.2	5
27	Two methods for reliable classification of network traffic. <i>Progress in Artificial Intelligence</i> , 2012, 1, 223-234.	2.4	4
28	Valid Probabilistic Predictions for Ginseng with Venn Machines Using Electronic Nose. <i>Sensors</i> , 2016, 16, 1088.	3.8	4
29	Realtime Tracking of Passengers on the London Underground Transport by Matching Smartphone Accelerometer Footprints. <i>Sensors</i> , 2019, 19, 4184.	3.8	4
30	Swarm intelligence based Dynamic Routing and Wavelength Assignment for wavelength constrained all-optical networks. , 2009, , .		3
31	Artificial Intelligence Applications in Biomedicine. <i>Advances in Artificial Intelligence</i> , 2013, 2013, 1-2.	0.9	3
32	Solid-contact ion-selective electrodes for potentiometric determination of phenylethylamine in vitro. <i>Measurement Science and Technology</i> , 2021, 32, 115116.	2.6	3
33	Twenty seconds of visual behaviour on social media gives insight into personality. <i>Scientific Reports</i> , 2022, 12, 1178.	3.3	2
34	Protoporphyrin IX Based All-Solid-State Ion-Selective Electrodes for Choline Determination In Vitro. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5549.	2.5	1
35	On Generating Efficient Data Summaries for Logistic Regression: A Coreset-based Approach. , 2020, , .		1
36	CPSC: Conformal Prediction With Shrunk Centroids for Efficient Prediction Reliability Quantification and Data Augmentation, a Case in Alternative Herbal Medicine Classification With Electronic Nose. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-11.	4.7	1

#	ARTICLE	IF	CITATIONS
37	On-line Network Resource Consumption Prediction with Confidence. , 2007, , .		0
38	A Feed-Forward Neural Network for Increasing the Hopfield-Network Storage Capacity. International Journal of Neural Systems, 2022, , 2250027.	5.2	0