

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	A survey of deep learning approaches for WiFi-based indoor positioning. Journal of Information and Telecommunication, 2022, 6, 163-216.	2.8	22
2	Twenty seconds of visual behaviour on social media gives insight into personality. Scientific Reports, 2022, 12, 1178.	3.3	2
3	CPSC: Conformal Prediction With Shrunk Centroids for Efficient Prediction Reliability Quantification and Data Augmentation, a Case in Alternative Herbal Medicine Classification With Electronic Nose. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	1
4	A Feed-Forward Neural Network for Increasing the Hopfield-Network Storage Capacity. International Journal of Neural Systems, 2022, , 2250027.	5.2	0
5	Boost AI Power: Data Augmentation Strategies With Unlabeled Data and Conformal Prediction, a Case in Alternative Herbal Medicine Discrimination With Electronic Nose. IEEE Sensors Journal, 2021, 21, 22995-23005.	4.7	7
6	A review of smartphones-based indoor positioning: Challenges and applications. IET Cyber-Systems and Robotics, 2021, 3, 1-30.	1.8	19
7	Protoporphyrin IX Based All-Solid-State Ion-Selective Electrodes for Choline Determination In Vitro. Applied Sciences (Switzerland), 2021, 11, 5549.	2.5	1
8	Solid-contact ion-selective electrodes for potentiometric determination of phenylethylamine in vitro. Measurement Science and Technology, 2021, 32, 115116.	2.6	3
9	Silent Speech Decoding Using Spectrogram Features Based on Neuromuscular Activities. Brain Sciences, 2020, 10, 442.	2.3	24
10	Epidemic contact tracing with smartphone sensors. Journal of Location Based Services, 2020, 14, 92-128.	1.9	21
11	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
12	Inductive conformal prediction for silent speech recognition. Journal of Neural Engineering, 2020, 17, 066019.	3.5	14
13	On Generating Efficient Data Summaries for Logistic Regression: A Coreset-based Approach. , 2020, , .		1
14	Realtime Tracking of Passengers on the London Underground Transport by Matching Smartphone Accelerometer Footprints. Sensors, 2019, 19, 4184.	3.8	4
15	Discrimination of Different Species of Dendrobium with an Electronic Nose Using Aggregated Conformal Predictor. Sensors, 2019, 19, 964.	3.8	8
16	Location Tracking Using Smartphone Accelerometer and Magnetometer Traces. , 2019, , .		6
17	Recurrent Auto-Encoder Model for Large-Scale Industrial Sensor Signal Analysis. Communications in Computer and Information Science, 2018, , 203-216.	0.5	6
18	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

#	ARTICLE	IF	CITATIONS
19	On assessing the positioning accuracy of Google Tango in challenging indoor environments. , 2017, , .		11
20	Co-location epidemic tracking on London public transports using low power mobile magnetometer. , 2017, , .		11
21	Conformal Prediction Based on K-Nearest Neighbors for Discrimination of Ginsengs by a Home-Made Electronic Nose. Sensors, 2017, 17, 1869.	3.8	14
22	Valid Probabilistic Predictions for Ginseng with Venn Machines Using Electronic Nose. Sensors, 2016, 16, 1088.	3.8	4
23	An experimental study of the intrinsic stability of random forest variable importance measures. BMC Bioinformatics, 2016, 17, 60.	2.6	114
24	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
25	Improved analysis of inorganic coal properties based on near-infrared reflectance spectroscopy. Analytical Methods, 2015, 7, 5282-5288.	2.7	12
26	Multiprobabilistic prediction in early medical diagnoses. Annals of Mathematics and Artificial Intelligence, 2015, 74, 203-222.	1.3	9
27	Reliable indoor location prediction using conformal prediction. Annals of Mathematics and Artificial Intelligence, 2015, 74, 133-153.	1.3	7
28	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
29	Artificial Intelligence Applications in Biomedicine. Advances in Artificial Intelligence, 2013, 2013, 1-2.	0.9	3
30	Two methods for reliable classification of network traffic. Progress in Artificial Intelligence, 2012, 1, 223-234.	2.4	4
31	Conformal predictors in early diagnostics of ovarian and breast cancers. Progress in Artificial Intelligence, 2012, 1, 245-257.	2.4	14
32	RELIABLE PROBABILISTIC CLASSIFICATION OF INTERNET TRAFFIC. International Journal of Information Acquisition, 2009, 06, 133-146.	0.2	5
33	Swarm intelligence based Dynamic Routing and Wavelength Assignment for wavelength constrained all-optical networks. , 2009, , .		3
34	Recognition of hypoxia EEG with a preset confidence level based on EEG analysis. , 2008, , .		6
35	Network Traffic Demand Prediction with Confidence. , 2008, , .		7
36	On-line Network Resource Consumption Prediction with Confidence. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Gene Selection for Cancer Classification using Wilcoxon Rank Sum Test and Support Vector Machine. , 2006, , .		27
38	Reliable classification of childhood acute leukaemia from gene expression data using confidence machines. , 0, , .		9