

Guo-Zheng Li

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

1,882
citations

236612

25
h-index

315357

38
g-index

113
all docs

113
docs citations

113
times ranked

1713
citing authors

#	ARTICLE	IF	CITATIONS
1	MultiP-SChlo: multi-label protein subchloroplast localization prediction with Chou's pseudo amino acid composition and a novel multi-label classifier. <i>Bioinformatics</i> , 2015, 31, 2639-2645.	1.8	115
2	Predicting Protein Structural Class with AdaBoost Learner. <i>Protein and Peptide Letters</i> , 2006, 13, 489-492.	0.4	103
3	Modelling of inquiry diagnosis for coronary heart disease in traditional Chinese medicine by using multi-label learning. <i>BMC Complementary and Alternative Medicine</i> , 2010, 10, 37.	3.7	81
4	Degree prediction of malignancy in brain glioma using support vector machines. <i>Computers in Biology and Medicine</i> , 2006, 36, 313-325.	3.9	66
5	Using AdaBoost for the prediction of subcellular location of prokaryotic and eukaryotic proteins. <i>Molecular Diversity</i> , 2008, 12, 41-45.	2.1	58
6	Incremental partial least squares analysis of big streaming data. <i>Pattern Recognition</i> , 2014, 47, 3726-3735.	5.1	58
7	Advances in Patient Classification for Traditional Chinese Medicine: A Machine Learning Perspective. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-18.	0.5	55
8	Predicting Subcellular Localization with AdaBoost Learner. <i>Protein and Peptide Letters</i> , 2008, 15, 286-289.	0.4	54
9	Symptom selection for multi-label data of inquiry diagnosis in traditional Chinese medicine. <i>Science China Information Sciences</i> , 2013, 56, 1-13.	2.7	49
10	An asymmetric classifier based on partial least squares. <i>Pattern Recognition</i> , 2010, 43, 3448-3457.	5.1	48
11	Computer-assisted lip diagnosis on traditional Chinese medicine using multi-class support vector machines. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 127.	3.7	48
12	Multi-location gram-positive and gram-negative bacterial protein subcellular localization using gene ontology and multi-label classifier ensemble. <i>BMC Bioinformatics</i> , 2015, 16, S1.	1.2	38
13	A Multi-Label Predictor for Identifying the Subcellular Locations of Singleplex and Multiplex Eukaryotic Proteins. <i>PLoS ONE</i> , 2012, 7, e36317.	1.1	38
14	Virus-ECC-mPloc: A Multi-Label Predictor for Predicting the Subcellular Localization of Virus Proteins with Both Single and Multiple Sites Based on a General Form of Chou's Pseudo Amino Acid Composition. <i>Protein and Peptide Letters</i> , 2013, 20, 309-317.	0.4	36
15	Application of metabolomics on diagnosis and treatment of patients with psoriasis in traditional Chinese medicine. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 280-288.	1.1	36
16	Asymmetric bagging and feature selection for activities prediction of drug molecules. <i>BMC Bioinformatics</i> , 2008, 9, S7.	1.2	33
17	Embedded Feature Selection for Multi-label Classification of Music Emotions. <i>International Journal of Computational Intelligence Systems</i> , 2012, 5, 668.	1.6	33
18	Support vector machine for SAR/QSAR of phenethyl-amines. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 1075-1086.	2.8	31

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19	Selecting subsets of newly extracted features from PCA and PLS in microarray data analysis. BMC Genomics, 2008, 9, S24.	1.2	31
20	Multilabel Learning via Random Label Selection for Protein Subcellular Multilocations Prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2013, 10, 436-446.	1.9	30
21	Cough detection using deep neural networks. , 2014, , .		29
22	Intelligent ZHENG Classification of Hypertension Depending on ML-kNN and Information Fusion. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-5.	0.5	28
23	Inquiry diagnosis of coronary heart disease in Chinese medicine based on symptom-syndrome interactions. Chinese Medicine, 2012, 7, 9.	1.6	28
24	Cough event classification by pretrained deep neural network. BMC Medical Informatics and Decision Making, 2015, 15, S2.	1.5	28
25	Predicting Membrane Protein Types with Bagging Learner. Protein and Peptide Letters, 2008, 15, 590-594.	0.4	27
26	MAPLSC: A novel multi-class classifier for medical diagnosis. International Journal of Data Mining and Bioinformatics, 2011, 5, 383.	0.1	26
27	A novel multi-target regression framework for time-series prediction of drug efficacy. Scientific Reports, 2017, 7, 40652.	1.6	26
28	Semiempirical Quantum Chemical Method and Artificial Neural Networks Applied for $\hat{\mu}_{\max}$ Computation of Some Azo Dyes. Journal of Chemical Information and Computer Sciences, 2004, 44, 2047-2050.	2.8	24
29	Feature Selection for Multi-class Problems Using Support Vector Machines. Lecture Notes in Computer Science, 2004, , 292-300.	1.0	24
30	Combining support vector regression with feature selection for multivariate calibration. Neural Computing and Applications, 2009, 18, 813-820.	3.2	24
31	Predicting toxic action mechanisms of phenols using AdaBoost Learner. Chemometrics and Intelligent Laboratory Systems, 2009, 96, 43-48.	1.8	24
32	Dimension reduction with redundant gene elimination for tumor classification. BMC Bioinformatics, 2008, 9, S8.	1.2	23
33	Development and psychometric validation of the Chinese version of Skindex-29 and Skindex-16. Health and Quality of Life Outcomes, 2014, 12, 190.	1.0	23
34	QSPR Study of $\log K_{ow}$ Octanol/Water Partition Coefficient of Some Aromatic Compounds Using Support Vector Regression. QSAR and Combinatorial Science, 2009, 28, 175-182.	1.5	21
35	Cough signal recognition with Gammatone Cepstral Coefficients. , 2013, , .		21
36	Automated skin biopsy histopathological image annotation using multi-instance representation and learning. BMC Medical Genomics, 2013, 6, S10.	0.7	21

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37	Computerized tongue image segmentation via the double geo-vector flow. Chinese Medicine, 2014, 9, 7.	1.6	20
38	A study of damp-heat syndrome classification using Word2vec and TF-IDF. , 2016, , .		19
39	End-to-End Models to Imitate Traditional Chinese Medicine Syndrome Differentiation in Lung Cancer Diagnosis: Model Development and Validation. JMIR Medical Informatics, 2020, 8, e17821.	1.3	19
40	Partial Least Squares Based Dimension Reduction with Gene Selection for Tumor Classification. , 2007, , .		18
41	C2G2FSnake: automatic tongue image segmentation utilizing prior knowledge. Science China Information Sciences, 2013, 56, 1-14.	2.7	18
42	Qualitative and Quantitative Analysis for Facial Complexion in Traditional Chinese Medicine. BioMed Research International, 2014, 2014, 1-17.	0.9	18
43	Multilabel Learning for Protein Subcellular Location Prediction. IEEE Transactions on Nanobioscience, 2012, 11, 237-243.	2.2	17
44	Virus-ECC-mPloc: A Multi-Label Predictor for Predicting the Subcellular Localization of Virus Proteins with Both Single and Multiple Sites Based on a General Form of Chou's Pseudo Amino Acid Composition. Protein and Peptide Letters, 2013, 20, 309-317.	0.4	16
45	A hybrid imputation approach for microarray missing value estimation. BMC Genomics, 2015, 16, S1.	1.2	16
46	Irrelevant gene elimination for Partial Least Squares based Dimension Reduction by using feature probes. International Journal of Data Mining and Bioinformatics, 2009, 3, 85.	0.1	15
47	Feature selection for multi-class problems by using pairwise-class and all-class techniques. International Journal of General Systems, 2011, 40, 381-394.	1.2	13
48	Clinical multi-label free text classification by exploiting disease label relation. , 2013, , .		12
49	A similarity based learning framework for interim analysis of outcome prediction of acupuncture for neck pain. International Journal of Data Mining and Bioinformatics, 2013, 8, 381.	0.1	12
50	Incomplete label distribution learning based on supervised neighborhood information. International Journal of Machine Learning and Cybernetics, 2020, 11, 111-121.	2.3	11
51	Question Answering System Based on Knowledge Graph in Traditional Chinese Medicine Diagnosis and Treatment of Viral Hepatitis B. BioMed Research International, 2022, 2022, 1-8.	0.9	11
52	Improving prediction accuracy of tumor classification by reusing genes discarded during gene selection. BMC Genomics, 2008, 9, S3.	1.2	10
53	Patient classification of hypertension in Traditional Chinese Medicine using multi-label learning techniques. BMC Medical Genomics, 2015, 8, S4.	0.7	10
54	Classification of Brain Glioma by Using SVMs Bagging with Feature Selection. Lecture Notes in Computer Science, 2006, , 124-130.	1.0	10

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55	Feature Selection for Bagging of Support Vector Machines. Lecture Notes in Computer Science, 2006, , 271-277.	1.0	10
56	Feature Selection for Partial Least Square Based Dimension Reduction. Studies in Computational Intelligence, 2009, , 3-37.	0.7	9
57	Model selection for partial least squares based dimension reduction. Pattern Recognition Letters, 2012, 33, 524-529.	2.6	8
58	Semi-supervised imputation for microarray missing value estimation. , 2014, , .		8
59	Scientific computation of big data in real-world clinical research. Frontiers of Medicine, 2014, 8, 310-315.	1.5	7
60	Audio signals encoding for cough classification using convolutional neural networks: A comparative study. , 2015, , .		7
61	Improving prediction accuracy of drug activities by utilising unlabelled instances with feature selection. International Journal of Computational Biology and Drug Design, 2008, 1, 1.	0.3	6
62	A TCM Platform for Maters' Experience Sharing. , 2009, , .		6
63	A novel tongue segmentation approach utilizing double geodesic flow. , 2012, , .		6
64	High Mean Water Vapour Pressure Promotes the Transmission of Bacillary Dysentery. PLoS ONE, 2015, 10, e0124478.	1.1	6
65	Syndrome Differentiation Analysis on Mars500 Data of Traditional Chinese Medicine. Scientific World Journal, The, 2015, 2015, 1-9.	0.8	6
66	AN ENHANCED LIPSCHITZ EMBEDDING CLASSIFIER FOR MULTI-EMOTION SPEECH ANALYSIS. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1685-1700.	0.7	5
67	Supervised redundant feature detection for tumor classification. BMC Medical Genomics, 2014, 7, S5.	0.7	5
68	Big data is essential for further development of integrative medicine. Chinese Journal of Integrative Medicine, 2015, 21, 323-331.	0.7	5
69	Analysis and Modeling for Big Data in Cancer Research. BioMed Research International, 2017, 2017, 1-2.	0.9	5
70	Feature Selection for Ensemble Learning and Its Application. , 0, , 135-155.		4
71	Gene selection by using an improved Fast Correlation-Based Filter. , 2010, , .		4
72	Dimension Reduction for p53 Protein Recognition by Using Incremental Partial Least Squares. IEEE Transactions on Nanobioscience, 2014, 13, 73-79.	2.2	4

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73	Feature selection for co-training. Journal of Shanghai University, 2008, 12, 47-51.	0.1	3
74	Embedded Gene Selection for Imbalanced Microarray Data Analysis. , 2008, , .		3
75	Multi-class feature selection using Pairwise-class and All-class techniques. , 2010, , .		3
76	Medical Diagnosis by Using Machine Learning Techniques. , 2014, , 39-79.		3
77	On Multivariate Calibration Problems. Lecture Notes in Computer Science, 2004, , 389-394.	1.0	3
78	Estimation of the Future Earthquake Situation by Using Neural Networks Ensemble. Lecture Notes in Computer Science, 2006, , 1231-1236.	1.0	3
79	Support vector machine method for forecasting future strong earthquakes in Chinese mainland. Acta Seismologica Sinica, 2006, 19, 30-38.	0.2	2
80	Prediction of malignancy degree in brain glioma using selective neural networks ensemble. Journal of Shanghai University, 2006, 10, 244-246.	0.1	2
81	Symptom selection of inquiry diagnosis data for coronary heart disease in Traditional Chinese Medicine by using social network techniques. , 2010, , .		2
82	Multi-label Learning for Protein Subcellular Location Prediction. , 2011, , .		2
83	Balance-bagging-PRFS algorithm for feature optimization on insomnia data intervened by traditional Chinese Medicine. , 2011, , .		2
84	Special issue on massive data processing by using machine learning. International Journal of General Systems, 2011, 40, 351-354.	1.2	2
85	Comparing of feature selection and classification methods on report-based subhealth data. , 2016, , .		2
86	A comprehensive study on color correction for medical facial images. International Journal of Machine Learning and Cybernetics, 2019, 10, 935-947.	2.3	2
87	Leveraging a Joint learning Model to Extract Mixture Symptom Mentions from Traditional Chinese Medicine Clinical Notes. BioMed Research International, 2022, 2022, 1-7.	0.9	2
88	Feature Selection and Partial Least Squares Based Dimension Reduction for Tumor Classification. , 2007, , .		1
89	Redundant Gene Selection Based on Particle Swarm Optimization. , 2009, , .		1
90	Gloss Feature Extraction for Surface Examination in Traditional Chinese Medicine. , 2010, , .		1

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91	MultiP-SChlo: Multi-label protein subchloroplast localization prediction. , 2014, , .		1
92	Facial color management for mobile health in the wild. , 2015, , .		1
93	ISMAC: An Intelligent System for Customized Clinical Case Management and Analysis. Scientific World Journal, The, 2015, 2015, 1-12.	0.8	1
94	Prediction of the efficacy of Wuji Pills by machine learning methods. , 2016, , .		1
95	Facial Color Management for Mobile Health in the Wild. IEEE Transactions on Nanobioscience, 2016, 15, 316-327.	2.2	1
96	Machine Learning for Clinical Data Processing. , 2012, , 875-897.		1
97	Summarizing Professor Lei Zhang's Therapeutic Experience of Dyspnea Disease Based on Machine Learning. , 2020, , .		1
98	Machine Learning for Clinical Data Processing. Advances in Digital Crime, Forensics, and Cyber Terrorism, 0, , 193-215.	0.4	1
99	Analysis of the characteristics of hepatitis B in various regions of China from 2009 to 2011 and the analysis of TCM diagnosis and treatment plans. , 2021, , .		1
100	Support Vector Regression with Feature Selection for the Multivariate Calibration of Spectrofluorimetric Determination of Aromatic Amino Acids. , 2007, , .		0
101	Asymmetric Bagging and Feature Selection for ActivitiesPrediction of Drug Molecules. , 2007, , .		0
102	Using Rough Reducts Based SVM Ensemble for SAR of the Ethofenprox Analogous of Pesticide. , 2008, , .		0
103	Sparse Representation for Face Verification in Social Insurance System. , 2010, , .		0
104	Dimension reduction for p53 protein recognition by using incremental partial least squares. , 2013, , .		0
105	Customized management of clinical data in traditional Chinese medicine. , 2013, , .		0
106	Triple imputation for microarray missing value estimation. , 2015, , .		0
107	A hybrid iterative approach for microarray missing value estimation. , 2016, , .		0
108	Classification of facial diagnosis gloss in Chinese medicine based on different algorithms. Chinese Journal of Integrative Medicine, 2016, , 1.	0.7	0

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109	Analysis of Professor Lei Zhang's Medical Records of Banxia XieXin Decoction Analogous Prescriptions Based on Principle of attribute partial ordering. , 2020, , .		0
110	Research on the synergy law of Pinellia tuber and Golden thread by improved association rule algorithm. , 2020, , .		0
111	Asymmetric Bagging and Feature Selection for Activities Prediction of Drug Molecules. , 2007, , .		0