

Yong Shi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

4,082
citations

30
h-index

63
g-index

86
ext. papers

4,814
ext. citations

3.5
avg, IF

5.71
L-index

#	Paper	IF	Citations
79	EVALUATION OF CLASSIFICATION ALGORITHMS USING MCDM AND RANK CORRELATION. <i>International Journal of Information Technology and Decision Making</i> , 2012 , 11, 197-225	2.8	433
78	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 3434-3445	6.1	353
77	The Role of Text Pre-processing in Sentiment Analysis. <i>Procedia Computer Science</i> , 2013 , 17, 26-32	1.6	245
76	A DESCRIPTIVE FRAMEWORK FOR THE FIELD OF DATA MINING AND KNOWLEDGE DISCOVERY. <i>International Journal of Information Technology and Decision Making</i> , 2008 , 07, 639-682	2.8	239
75	Robust twin support vector machine for pattern classification. <i>Pattern Recognition</i> , 2013 , 46, 305-316	7.7	214
74	A simple method to improve the consistency ratio of the pair-wise comparison matrix in ANP. <i>European Journal of Operational Research</i> , 2011 , 213, 246-259	5.6	162
73	Nonparallel support vector machines for pattern classification. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1067-79	10.2	161
72	The analytic hierarchy process: task scheduling and resource allocation in cloud computing environment. <i>Journal of Supercomputing</i> , 2013 , 64, 835-848	2.5	158
71	FAMCDM: A fusion approach of MCDM methods to rank multiclass classification algorithms. <i>Omega</i> , 2011 , 39, 677-689	7.2	149
70	ENSEMBLE OF SOFTWARE DEFECT PREDICTORS: AN AHP-BASED EVALUATION METHOD. <i>International Journal of Information Technology and Decision Making</i> , 2011 , 10, 187-206	2.8	134
69	An effective intrusion detection framework based on MCLP/SVM optimized by time-varying chaos particle swarm optimization. <i>Neurocomputing</i> , 2016 , 199, 90-102	5.4	126
68	An empirical study of classification algorithm evaluation for financial risk prediction. <i>Applied Soft Computing Journal</i> , 2011 , 11, 2906-2915	7.5	120
67	Analytic network process in risk assessment and decision analysis. <i>Computers and Operations Research</i> , 2014 , 42, 58-74	4.6	117
66	Structural twin support vector machine for classification. <i>Knowledge-Based Systems</i> , 2013 , 43, 74-81	7.3	106
65	Credit card churn forecasting by logistic regression and decision tree. <i>Expert Systems With Applications</i> , 2011 , 38, 15273-15285	7.8	105
64	Twin support vector machine with Universum data. <i>Neural Networks</i> , 2012 , 36, 112-9	9.1	98
63	RECENT ADVANCES ON SUPPORT VECTOR MACHINES RESEARCH. <i>Technological and Economic Development of Economy</i> , 2012 , 18, 5-33	4.7	90

62	DATA MINING VIA MULTIPLE CRITERIA LINEAR PROGRAMMING: APPLICATIONS IN CREDIT CARD PORTFOLIO MANAGEMENT. <i>International Journal of Information Technology and Decision Making</i> , 2002 , 01, 131-151	2.8	89
61	A Multi-criteria Convex Quadratic Programming model for credit data analysis. <i>Decision Support Systems</i> , 2008 , 44, 1016-1030	5.6	80
60	Multiple criteria linear programming approach to data mining: Models, algorithm designs and software development. <i>Optimization Methods and Software</i> , 2003 , 18, 453-473	1.3	71
59	Multiple criteria mathematical programming for multi-class classification and application in network intrusion detection. <i>Information Sciences</i> , 2009 , 179, 371-381	7.7	67
58	Ramp loss K-Support Vector Classification-Regression; a robust and sparse multi-class approach to the intrusion detection problem. <i>Knowledge-Based Systems</i> , 2017 , 126, 113-126	7.3	64
57	CLASSIFYING CREDIT CARD ACCOUNTS FOR BUSINESS INTELLIGENCE AND DECISION MAKING: A MULTIPLE-CRITERIA QUADRATIC PROGRAMMING APPROACH. <i>International Journal of Information Technology and Decision Making</i> , 2005 , 04, 581-599	2.8	59
56	Parallel data mining techniques on Graphics Processing Unit with Compute Unified Device Architecture (CUDA). <i>Journal of Supercomputing</i> , 2013 , 64, 942-967	2.5	55
55	Discovering Credit Cardholders Behavior by Multiple Criteria Linear Programming. <i>Annals of Operations Research</i> , 2005 , 135, 261-274	3.2	54
54	Improved twin support vector machine. <i>Science China Mathematics</i> , 2014 , 57, 417-432	0.8	51
53	CLASSIFICATIONS OF CREDIT CARDHOLDER BEHAVIOR BY USING FUZZY LINEAR PROGRAMMING. <i>International Journal of Information Technology and Decision Making</i> , 2004 , 03, 633-650	2.8	49
52	A New Intrusion Detection Approach Using PSO based Multiple Criteria Linear Programming. <i>Procedia Computer Science</i> , 2015 , 55, 231-237	1.6	40
51	Ramp loss nonparallel support vector machine for pattern classification. <i>Knowledge-Based Systems</i> , 2015 , 85, 224-233	7.3	32
50	Multiple criteria optimization-based data mining methods and applications: a systematic survey. <i>Knowledge and Information Systems</i> , 2010 , 24, 369-391	2.4	30
49	Feature Selection with Attributes Clustering by Maximal Information Coefficient. <i>Procedia Computer Science</i> , 2013 , 17, 70-79	1.6	29
48	Bankruptcy prediction for Japanese firms: using Multiple Criteria Linear Programming data mining approach. <i>International Journal of Business Intelligence and Data Mining</i> , 2006 , 1, 401	0.3	29
47	Bankruptcy prediction for Korean firms after the 1997 financial crisis: using a multiple criteria linear programming data mining approach. <i>Review of Quantitative Finance and Accounting</i> , 2012 , 38, 441-453	1.7	25
46	MCLP-based methods for improving Bad Debt catching rate in credit cardholder behavior analysis. <i>Applied Soft Computing Journal</i> , 2008 , 8, 1259-1265	7.5	25
45	Optimal estimation of low-rank factors via feature level data fusion of multiplex signal systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	22

44	Image Segmentation via Improving Clustering Algorithms with Density and Distance. <i>Procedia Computer Science</i> , 2015 , 55, 1015-1022	1.6	19
43	Cost-Sensitive Support Vector Machine for Semi-Supervised Learning. <i>Procedia Computer Science</i> , 2013 , 18, 1684-1689	1.6	15
42	Pavement Distress Detection Using Random Decision Forests. <i>Lecture Notes in Computer Science</i> , 2015 , 95-102	0.9	14
41	Finding the Hidden Pattern of Credit Card Holder's Churn: A Case of China. <i>Lecture Notes in Computer Science</i> , 2009 , 561-569	0.9	14
40	Learning with label proportions based on nonparallel support vector machines. <i>Knowledge-Based Systems</i> , 2017 , 119, 126-141	7.3	13
39	Website Quality and Profitability Evaluation in Ecommerce Firms Using Two-stage DEA Model. <i>Procedia Computer Science</i> , 2014 , 30, 4-13	1.6	11
38	HIGH UTILITY ITEMSETS MINING. <i>International Journal of Information Technology and Decision Making</i> , 2010 , 09, 905-934	2.8	11
37	Application of Clustering Methods to Health Insurance Fraud Detection 2006 ,		11
36	A new classification model using privileged information and its application. <i>Neurocomputing</i> , 2014 , 129, 146-152	5.4	9
35	Self-Universum support vector machine. <i>Personal and Ubiquitous Computing</i> , 2014 , 18, 1813-1819	2.1	8
34	A GEOMETRICAL METHOD ON MULTIDIMENSIONAL DYNAMIC CREDIT EVALUATION. <i>International Journal of Information Technology and Decision Making</i> , 2008 , 07, 103-114	2.8	8
33	A multi-instance learning algorithm based on nonparallel classifier. <i>Applied Mathematics and Computation</i> , 2014 , 241, 233-241	2.7	5
32	A Hierarchy Method Based on LDA and SVM for News Classification 2014 ,		5
31	The Analysis on the Customers Churn of Charge Email Based on Data Mining Take One Internet Company for Example 2006 ,		5
30	Recent trends in Data Mining (DM): Document Clustering of DM Publications 2006 ,		5
29	BIMM: A Bias Induced Matrix Model for Incomplete Reciprocal Pairwise Comparison Matrix. <i>Journal of Multi-Criteria Decision Analysis</i> , 2011 , 18, 101-113	1.9	4
28	Regular Multiple Criteria Linear Programming for Semi-supervised Classification 2012 ,		4
27	Hyper-Heuristics to customise metaheuristics for continuous optimisation. <i>Swarm and Evolutionary Computation</i> , 2021 , 66, 100935	9.8	4

26	Large-scale linear nonparallel SVMs. <i>Soft Computing</i> , 2018 , 22, 1945-1957	3.5	3
25	The Application of Multiple Criteria Linear Programming in Advertisement Clicking Events Prediction. <i>Procedia Computer Science</i> , 2013 , 18, 1720-1729	1.6	3
24	Kernel based simple regularized multiple criteria linear program for binary classification and regression. <i>Intelligent Data Analysis</i> , 2015 , 19, 505-527	1.1	3
23	A Dynamic Approach to Calculate Shadow Prices of Water Resources for Nine Major Rivers in China. <i>Journal of Systems Science and Complexity</i> , 2006 , 19, 76-87	1	3
22	Network Intrusion Detection by Multi-group Mathematical Programming based Classifier 2006 ,		3
21	A New Consistency Index for Comparison Matrices in the ANP. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2011 , 47-56	0.4	3
20	A Simple Regularized Multiple Criteria Linear Programs for Binary Classification. <i>Procedia Computer Science</i> , 2013 , 18, 1690-1699	1.6	2
19	Regularized multiple-criteria linear programming with universum and its application. <i>Neural Computing and Applications</i> , 2014 , 24, 621-628	4.8	2
18	Token based crack detection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 3501-3513	1.6	2
17	Ramp Loss Linear Programming Nonparallel Support Vector Machine. <i>Procedia Computer Science</i> , 2016 , 80, 1745-1754	1.6	2
16	Parallel Regularized Multiple-criteria Linear Programming. <i>Procedia Computer Science</i> , 2014 , 31, 58-65	1.6	1
15	Active Learning with Nonparallel Support Vector Machine for Binary Classification 2014 ,		1
14	Further Discussions on Induced Bias Matrix Model for the Pair-Wise Comparison Matrix. <i>Journal of Optimization Theory and Applications</i> , 2014 , 161, 980-993	1.6	1
13	The Domain Knowledge Driven Intelligent Data Auditing Model 2010 ,		1
12	The transitive trust in Java virtual machines 2009 ,		1
11	From similarity retrieval to cluster analysis: The case of R*-trees 2007 ,		1
10	Supervised Object Boundary Detection Based on Structured Forests. <i>Lecture Notes in Computer Science</i> , 2015 , 87-94	0.9	1
9	Induced Arithmetic Average Bias Matrix Model (IAABMM) 2013 , 129-135		1

8 A New Consistency Test Index for the Data in the AHP/ANP **2013**, 11-27

7 IBMM for Inconsistent Data Identification and Adjustment in the AHP/ANP **2013**, 29-64

6 Applications of IBMM **2013**, 107-127

5 Failure Prediction in Commercial Banks with a Hybrid Prediction Model. *Annals of Data Science*, **2014**, 1, 209-220 1.6

4 Sentiment Analysis **2022**, 423-432

3 Support Vector Machine Classification **2022**, 97-246

2 Evaluation Analysis **2022**, 477-566

1 FROM ENTERPRISE NETWORK TO NETWORK ENTERPRISE: ANOTHER PERSPECTIVE OF MULTIPLE CRITERIA DECISION MAKING FOR BUILDING CORPORATE INFORMATION SYSTEM **2000**, 389-402