Yong Shi

List of Publications by Year in Descending Order

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	Sentiment Analysis **2022**, 423-432		
78	Support Vector Machine Classification **2022**, 97-246		
77	Evaluation Analysis **2022**, 477-566		
76	Hyper-Heuristics to customise metaheuristics for continuous optimisation. *Swarm and Evolutionary Computation*, **2021**, 66, 100935	9.8	4
75	Token based crack detection. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 3501-3513	1.6	2
74	Optimal estimation of low-rank factors via feature level data fusion of multiplex signal systems. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	22
73	Large-scale linear nonparallel SVMs. *Soft Computing*, **2018**, 22, 1945-1957	3.5	3
72	Learning with label proportions based on nonparallel support vector machines. *Knowledge-Based Systems*, **2017**, 119, 126-141	7.3	13
71	Ramp loss K-Support Vector Classification-Regression; a robust and sparse multi-class approach to the intrusion detection problem. *Knowledge-Based Systems*, **2017**, 126, 113-126	7.3	64
70	. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 3434-3445	6.1	353
69	An effective intrusion detection framework based on MCLP/SVM optimized by time-varying chaos particle swarm optimization. *Neurocomputing*, **2016**, 199, 90-102	5.4	126
68	Ramp Loss Linear Programming Nonparallel Support Vector Machine. *Procedia Computer Science*, **2016**, 80, 1745-1754	1.6	2
67	A New Intrusion Detection Approach Using PSO based Multiple Criteria Linear Programming. *Procedia Computer Science*, **2015**, 55, 231-237	1.6	40
66	Kernel based simple regularized multiple criteria linear program for binary classification and regression. *Intelligent Data Analysis*, **2015**, 19, 505-527	1.1	3
65	Image Segmentation via Improving Clustering Algorithms with Density and Distance. *Procedia Computer Science*, **2015**, 55, 1015-1022	1.6	19
64	Ramp loss nonparallel support vector machine for pattern classification. *Knowledge-Based Systems*, **2015**, 85, 224-233	7.3	32
63	Supervised Object Boundary Detection Based on Structured Forests. *Lecture Notes in Computer Science*, **2015**, 87-94	0.9	1

62	Pavement Distress Detection Using Random Decision Forests. *Lecture Notes in Computer Science*, **2015**, 95-102	0.9	14
61	Improved twin support vector machine. *Science China Mathematics*, **2014**, 57, 417-432	0.8	51
60	Nonparallel support vector machines for pattern classification. *IEEE Transactions on Cybernetics*, **2014**, 44, 1067-79	10.2	161
59	A multi-instance learning algorithm based on nonparallel classifier. *Applied Mathematics and Computation*, **2014**, 241, 233-241	2.7	5
58	Parallel Regularized Multiple-criteria Linear Programming. *Procedia Computer Science*, **2014**, 31, 58-65	1.6	1
57	Website Quality and Profitability Evaluation in Ecommerce Firms Using Two-stage DEA Model. *Procedia Computer Science*, **2014**, 30, 4-13	1.6	11
56	A Hierarchy Method Based on LDA and SVM for News Classification **2014**,		5
55	Active Learning with Nonparallel Support Vector Machine for Binary Classification **2014**,		1
54	Self-Universum support vector machine. *Personal and Ubiquitous Computing*, **2014**, 18, 1813-1819	2.1	8
53	Failure Prediction in Commercial Banks with a Hybrid Prediction Model. *Annals of Data Science*, **2014**, 1, 209-220	1.6	
52	Analytic network process in risk assessment and decision analysis. *Computers and Operations Research*, **2014**, 42, 58-74	4.6	117
51	A new classification model using privileged information and its application. *Neurocomputing*, **2014**, 129, 146-152	5.4	9
50	Further Discussions on Induced Bias Matrix Model for the Pair-Wise Comparison Matrix. *Journal of Optimization Theory and Applications*, **2014**, 161, 980-993	1.6	1
49	Regularized multiple-criteria linear programming with universum and its application. *Neural Computing and Applications*, **2014**, 24, 621-628	4.8	2
48	Feature Selection with Attributes Clustering by Maximal Information Coefficient. *Procedia Computer Science*, **2013**, 17, 70-79	1.6	29
47	Parallel data mining techniques on Graphics Processing Unit with Compute Unified Device Architecture (CUDA). *Journal of Supercomputing*, **2013**, 64, 942-967	2.5	55
46	Cost-Sensitive Support Vector Machine for Semi-Supervised Learning. *Procedia Computer Science*, **2013**, 18, 1684-1689	1.6	15
45	The Application of Multiple Criteria Linear Programming in Advertisement Clicking Events Prediction. *Procedia Computer Science*, **2013**, 18, 1720-1729	1.6	3

44	A New Consistency Test Index for the Data in the AHP/ANP **2013**, 11-27		
43	IBMM for Inconsistent Data Identification and Adjustment in the AHP/ANP **2013**, 29-64		
42	Applications of IBMM **2013**, 107-127		
41	Structural twin support vector machine for classification. *Knowledge-Based Systems*, **2013**, 43, 74-81	7.3	106
40	A Simple Regularized Multiple Criteria Linear Programs for Binary Classification. *Procedia Computer Science*, **2013**, 18, 1690-1699	1.6	2
39	The analytic hierarchy process: task scheduling and resource allocation in cloud computing environment. *Journal of Supercomputing*, **2013**, 64, 835-848	2.5	158
38	The Role of Text Pre-processing in Sentiment Analysis. *Procedia Computer Science*, **2013**, 17, 26-32	1.6	245
37	Robust twin support vector machine for pattern classification. *Pattern Recognition*, **2013**, 46, 305-316	7.7	214
36	Induced Arithmetic Average Bias Matrix Model (IAABMM) **2013**, 129-135		1
35	Twin support vector machine with Universum data. *Neural Networks*, **2012**, 36, 112-9	9.1	98
34	RECENT ADVANCES ON SUPPORT VECTOR MACHINES RESEARCH. *Technological and Economic Development of Economy*, **2012**, 18, 5-33	4.7	90
33	EVALUATION OF CLASSIFICATION ALGORITHMS USING MCDM AND RANK CORRELATION. *International Journal of Information Technology and Decision Making*, **2012**, 11, 197-225	2.8	433
32	Bankruptcy prediction for Korean firms after the 1997 financial crisis: using a multiple criteria linear programming data mining approach. *Review of Quantitative Finance and Accounting*, **2012**, 38, 441-453	1.7	25
31	Regular Multiple Criteria Linear Programming for Semi-supervised Classification **2012**,		4
30	ENSEMBLE OF SOFTWARE DEFECT PREDICTORS: AN AHP-BASED EVALUATION METHOD. *International Journal of Information Technology and Decision Making*, **2011**, 10, 187-206	2.8	134
29	FAMCDM: A fusion approach of MCDM methods to rank multiclass classification algorithms. *Omega*, **2011**, 39, 677-689	7.2	149
28	Credit card churn forecasting by logistic regression and decision tree. *Expert Systems With Applications*, **2011**, 38, 15273-15285	7.8	105
27	BIMM: A Bias Induced Matrix Model for Incomplete Reciprocal Pairwise Comparison Matrix. *Journal of Multi-Criteria Decision Analysis*, **2011**, 18, 101-113	1.9	4

26	An empirical study of classification algorithm evaluation for financial risk prediction. *Applied Soft Computing Journal*, **2011**, 11, 2906-2915	7.5	120
25	A simple method to improve the consistency ratio of the pair-wise comparison matrix in ANP. *European Journal of Operational Research*, **2011**, 213, 246-259	5.6	162
24	A New Consistency Index for Comparison Matrices in the ANP. *Lecture Notes in Economics and Mathematical Systems*, **2011**, 47-56	0.4	3
23	The Domain Knowledge Driven Intelligent Data Auditing Model **2010**,		1
22	HIGH UTILITY ITEMSETS MINING. *International Journal of Information Technology and Decision Making*, **2010**, 09, 905-934	2.8	11
21	Multiple criteria optimization-based data mining methods and applications: a systematic survey. *Knowledge and Information Systems*, **2010**, 24, 369-391	2.4	30
20	The transitive trust in Java virtual machines **2009**,		1
19	Multiple criteria mathematical programming for multi-class classification and application in network intrusion detection. *Information Sciences*, **2009**, 179, 371-381	7.7	67
18	Finding the Hidden Pattern of Credit Card Holder's Churn: A Case of China. *Lecture Notes in Computer Science*, **2009**, 561-569	0.9	14
17	A Multi-criteria Convex Quadratic Programming model for credit data analysis. *Decision Support Systems*, **2008**, 44, 1016-1030	5.6	80
16	A DESCRIPTIVE FRAMEWORK FOR THE FIELD OF DATA MINING AND KNOWLEDGE DISCOVERY. *International Journal of Information Technology and Decision Making*, **2008**, 07, 639-682	2.8	239
15	A GEOMETRICAL METHOD ON MULTIDIMENSIONAL DYNAMIC CREDIT EVALUATION. *International Journal of Information Technology and Decision Making*, **2008**, 07, 103-114	2.8	8
14	MCLP-based methods for improving "Bad" catching rate in credit cardholder behavior analysis. *Applied Soft Computing Journal*, **2008**, 8, 1259-1265	7.5	25
13	From similarity retrieval to cluster analysis: The case of R*-trees **2007**,		1
12	A Dynamic Approach to Calculate Shadow Prices of Water Resources for Nine Major Rivers in China. *Journal of Systems Science and Complexity*, **2006**, 19, 76-87	1	3
11	Bankruptcy prediction for Japanese firms: using Multiple Criteria Linear Programming data mining approach. *International Journal of Business Intelligence and Data Mining*, **2006**, 1, 401	0.3	29
10	The Analysis on the Customers Churn of Charge Email Based on Data Mining Take One Internet Company for Example **2006**,		5
9	Recent trends in Data Mining (DM): Document Clustering of DM Publications **2006**,		5

8	Network Intrusion Detection by Multi-group Mathematical Programming based Classifier **2006**,		3
7	Application of Clustering Methods to Health Insurance Fraud Detection **2006**,		11
6	Discovering Credit Cardholders Behavior by Multiple Criteria Linear Programming. *Annals of Operations Research*, **2005**, 135, 261-274	3.2	54
5	CLASSIFYING CREDIT CARD ACCOUNTS FOR BUSINESS INTELLIGENCE AND DECISION MAKING: A MULTIPLE-CRITERIA QUADRATIC PROGRAMMING APPROACH. *International Journal of Information Technology and Decision Making*, **2005**, 04, 581-599	2.8	59
4	CLASSIFICATIONS OF CREDIT CARDHOLDER BEHAVIOR BY USING FUZZY LINEAR PROGRAMMING. *International Journal of Information Technology and Decision Making*, **2004**, 03, 633-650	2.8	49
3	Multiple criteria linear programming approach to data mining: Models, algorithm designs and software development. *Optimization Methods and Software*, **2003**, 18, 453-473	1.3	71
2	DATA MINING VIA MULTIPLE CRITERIA LINEAR PROGRAMMING: APPLICATIONS IN CREDIT CARD PORTFOLIO MANAGEMENT. *International Journal of Information Technology and Decision Making*, **2002**, 01, 131-151	2.8	89
1	FROM ENTERPRISE NETWORK TO NETWORK ENTERPRISE: ANOTHER PERSPECTIVE OF MULTIPLE CRITERIA DECISION MAKING FOR BUILDING CORPORATE INFORMATION SYSTEM **2000**, 389-402		