Yong Shi

List of Publications by Year in Descending Order

171 papers	5,426 citations	36 h-index	71 g-index
202 ext. papers	6,524 ext. citations	3.9 avg, IF	6.24 L-index

#	Paper	IF	Citations
171	Sentiment Analysis **2022**, 423-432		
170	Learning Analysis **2022**, 335-421		
169	Business and Engineering Applications **2022**, 569-641		
168	Support Vector Machine Classification **2022**, 97-246		
167	Advances in Big Data Analytics **2022**,		20
166	Feature Selection **2022**, 249-304		0
165	Data Stream Analysis **2022**, 305-333		
164	Evaluation Analysis **2022**, 477-566		
163	Big Data and Big Data Analytics **2022**, 3-21		
162	Link Analysis **2022**, 433-475		
161	Artificial Intelligence IQ Test **2022**, 671-724		
160	Multiple Criteria Optimization Classification **2022**, 23-96		
159	Healthcare Applications **2022**, 643-670		0
158	Improved incremental local outlier detection for data streams based on the landmark window model. *Knowledge and Information Systems*, **2021**, 63, 2129-2155	2.4	0
157	Concept-Cognitive Learning Model for Incremental Concept Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 809-821	7.3	10
156	SentiVec: Learning Sentiment-Context Vector via Kernel Optimization Function for Sentiment Analysis. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 2561-2572	10.3	4
155	RGSR: A two-step lossy JPG image super-resolution based on noise reduction. *Neurocomputing*, **2021**, 419, 322-334	5.4	3

154	Distant Supervision Relation Extraction via adaptive dependency-path and additional knowledge graph supervision. *Neural Networks*, **2021**, 134, 42-53	9.1	5
153	Stock movement prediction with sentiment analysis based on deep learning networks. *Concurrency Computation Practice and Experience*, **2021**, 33, e6076	1.4	9
152	Improved ACD-Based Financial Trade Durations Prediction Leveraging LSTM Networks and Attention Mechanism. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	1
151	Decision-Making Support for the Evaluation of Clustering Algorithms Based on MCDM. *Complexity*, **2020**, 2020, 1-17	1.6	6
150	Deep learning from label proportions with labeled samples. *Neural Networks*, **2020**, 128, 73-81	9.1	1
149	DigGCN: Learning Compact Graph Convolutional Networks via Diffusion Aggregation. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
148	User reviews: Sentiment analysis using lexicon integrated two-channel CNN–LSTM family models. *Applied Soft Computing Journal*, **2020**, 94, 106435	7.5	41
147	Investigating Laws of Intelligence Based on AI IQ Research. *Annals of Data Science*, **2020**, 7, 399-416	1.6	11
146	Fuzzy-Based Concept Learning Method: Exploiting Data With Fuzzy Conceptual Clustering. *IEEE Transactions on Cybernetics*, **2020**,	10.2	11
145	Modeling of Characteristics on Artificial Intelligence IQ Test: a Fuzzy Cognitive Map-Based Dynamic Scenario Analysis. *International Journal of Computers, Communications and Control*, **2020**, 14, 653	3.6	4
144	Token based crack detection. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 3501-3513	1.6	2
143	A Construction of Robust Representations for Small Data Sets Using Broad Learning System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	6
142	Recommender system for marketing optimization. *World Wide Web*, **2020**, 23, 1497-1517	2.9	2
141	. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 1-1	4.2	9
140	s-LWSR: Super Lightweight Super-Resolution Network. *IEEE Transactions on Image Processing*, **2020**, PP,	8.7	13
139	Three IQs of AI systems and their testing methods. *Journal of Engineering*, **2020**, 2020, 566-571	0.7	
138	Classifying With Adaptive Hyper-Spheres: An Incremental Classifier Based on Competitive Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 1218-1229	7.3	57
137	. *IEEE Transactions on Knowledge and Data Engineering*, **2020**, 32, 1348-1361	4.2	77

136	What are the underlying transmission patterns of COVID-19 outbreak? An age-specific social contact characterization. *EClinicalMedicine*, **2020**, 22, 100354	11.3	82
135	Parallel RMCLP Classification Algorithm and Its Application on the Medical Data. *IEEE Transactions on Cloud Computing*, **2020**, 8, 532-538	3.3	2
134	Survey on Classic and Latest Textual Sentiment Analysis Articles and Techniques. *International Journal of Information Technology and Decision Making*, **2019**, 18, 1243-1287	2.8	17
133	Concurrent concept-cognitive learning model for classification. *Information Sciences*, **2019**, 496, 65-81	7.7	18
132	Pyramid scheme model for consumption rebate frauds. *Chinese Physics B*, **2019**, 28, 078901	1.2	2
131	Unsupervised Single-Image Super-Resolution with Multi-Gram Loss. *Electronics (Switzerland)*, **2019**, 8, 833	2.6	6
130	A Fast Algorithm for Multi-Class Learning from Label Proportions. *Electronics (Switzerland)*, **2019**, 8, 609	2.6	2
129	Diffusion network embedding. *Pattern Recognition*, **2019**, 88, 518-531	7.7	15
128	Public blockchain evaluation using entropy and TOPSIS. *Expert Systems With Applications*, **2019**, 117, 204-210	7.5	90
127	Learning from label proportions with pinball loss. *International Journal of Machine Learning and Cybernetics*, **2019**, 10, 187-205	3.8	5
126	Feature selection with MCP(^2) regularization. *Neural Computing and Applications*, **2019**, 31, 6699-6709	4.8	3
125	Learning from label proportions on high-dimensional data. *Neural Networks*, **2018**, 103, 9-18	9.1	9
124	Feature Selection With $ell_{2,1-2}$ Regularization. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4967-4982	10.3	29
123	DWWP: Domain-specific new words detection and word propagation system for sentiment analysis in the tourism domain. *Knowledge-Based Systems*, **2018**, 146, 203-214	7.3	23
122	Adaboost-LLP: A Boosting Method for Learning With Label Proportions. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 3548-3559	10.3	17
121	Word Similarity Fails in Multiple Sense Word Embedding. *Lecture Notes in Computer Science*, **2018**, 489-498	0.9	2
120	Evaluating Doctor Performance: Ordinal Regression-Based Approach. *Journal of Medical Internet Research*, **2018**, 20, e240	7.6	2
119	A Text Mining Based Study of Investor Sentiment and Its Influence on Stock Returns. *Economic Computation and Economic Cybernetics Studies and Research*, **2018**, 52, 183-199	1.8	7

118	A Survey on Semantic Segmentation **2018**,		10
117	Intrinsic or Extrinsic Evaluation: An Overview of Word Embedding Evaluation **2018**,		3
116	Analyzing the Impact of Characteristics on Artificial Intelligence IQ Test: A Fuzzy Cognitive Map Approach. *Procedia Computer Science*, **2018**, 139, 82-90	1.6	2
115	Research on Artificial Intelligence Ethics Based on the Evolution of Population Knowledge Base. *IFIP Advances in Information and Communication Technology*, **2018**, 455-464	0.5	3
114	An interview with Professor Raj Reddy on Web Intelligence (WI) and Computational Social Science (CSS). *Web Intelligence*, **2018**, 16, 143-146	0.7	4
113	A nominal association matrix with feature selection for categorical data. *Communications in Statistics - Theory and Methods*, **2017**, 46, 7798-7819	0.5	3
112	Delivery efficiency and supplier performance evaluation in China□ E-retailing industry. *Journal of Systems Science and Complexity*, **2017**, 30, 392-410	1	12
111	How China Deals with Big Data. *Annals of Data Science*, **2017**, 4, 433-440	1.6	8
110	Intelligence Quotient and Intelligence Grade of Artificial Intelligence. *Annals of Data Science*, **2017**, 4, 179-191	1.6	20
109	Enhanced word embedding with multiple prototypes **2017**,		3
108	Inverse extreme learning machine for learning with label proportions **2017**,		4
107	Advertisement clicking prediction by using multiple criteria mathematical programming. *World Wide Web*, **2016**, 19, 707-724	2.9	6
106	Ramp loss least squares support vector machine. *Journal of Computational Science*, **2016**, 14, 61-68	3.4	25
105	A divide-and-combine method for large scale nonparallel support vector machines. *Neural Networks* , **2016**, 75, 12-21	9.1	9
104	. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 3434-3445	6.1	353
103	. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 2349-2362	4.2	142
102	Two New Decomposition Algorithms for Training Bound-Constrained Support Vector Machines*. *Foundations of Computing and Decision Sciences*, **2015**, 40, 67-86	0.7	2
101	World Search Engine IQ Test Based on the Internet IQ Evaluation Algorithms. *International Journal of Information Technology and Decision Making*, **2015**, 14, 221-237	2.8	7

100	Intelligent Knowledge. *SpringerBriefs in Business*, **2015**,	0.3	11
99	Successive overrelaxation for laplacian support vector machine. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 674-683	10.3	23
98	On the aggregation of credit, market and operational risks. *Review of Quantitative Finance and Accounting*, **2015**, 44, 161-189	1.7	36
97	Kernel based simple regularized multiple criteria linear program for binary classification and regression. *Intelligent Data Analysis*, **2015**, 19, 505-527	1.1	3
96	Ramp loss nonparallel support vector machine for pattern classification. *Knowledge-Based Systems*, **2015**, 85, 224-233	7.3	32
95	Exploring Big Data Analysis: Fundamental Scientific Problems. *Annals of Data Science*, **2015**, 2, 363-372	1.6	29
94	Improved twin support vector machine. *Science China Mathematics*, **2014**, 57, 417-432	0.8	51
93	Nonparallel support vector machines for pattern classification. *IEEE Transactions on Cybernetics*, **2014**, 44, 1067-79	10.2	161
92	HOW DOES CREDIT PORTFOLIO DIVERSIFICATION AFFECT BANKS RETURN AND RISK? EVIDENCE FROM CHINESE LISTED COMMERCIAL BANKS. *Technological and Economic Development of Economy* , **2014**, 20, 332-353	4.7	17
91	A nonparallel support vector machine for a classification problem with universum learning. *Journal of Computational and Applied Mathematics*, **2014**, 263, 288-298	2.4	20
90	The Search Engine IQ Test based on the Internet IQ Evaluation Algorithm. *Procedia Computer Science*, **2014**, 31, 1066-1073	1.6	8
89	Customer Churn Prediction Based on Feature Clustering and Nonparallel Support Vector Machine. *International Journal of Information Technology and Decision Making*, **2014**, 13, 1013-1027	2.8	7
88	Domestic Systemically Important Banks: A Quantitative Analysis for the Chinese Banking System. *Mathematical Problems in Engineering*, **2014**, 2014, 1-19	1.1	3
87	Analytic network process in risk assessment and decision analysis. *Computers and Operations Research*, **2014**, 42, 58-74	4.6	117
86	A new classification model using privileged information and its application. *Neurocomputing*, **2014**, 129, 146-152	5.4	9
85	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
84	Error Correction Method in Classification by Using Multiple-Criteria and Multiple-Constraint Levels Linear Programming. *International Journal of Computers, Communications and Control*, **2014**, 7, 976	3.6	3
83	Feature Selection with Attributes Clustering by Maximal Information Coefficient. *Procedia Computer Science*, **2013**, 17, 70-79	1.6	29

82	Efficient railway tracks detection and turnouts recognition method using HOG features. *Neural Computing and Applications*, **2013**, 23, 245-254	4.8	34
81	Extending twin support vector machine classifier for multi-category classification problems. *Intelligent Data Analysis*, **2013**, 17, 649-664	1.1	38
80	Multi-instance classification based on regularized multiple criteria linear programming. *Neural Computing and Applications*, **2013**, 23, 857-863	4.8	7
79	Spatial distance join based feature selection. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 2597-2607	7.2	5
78	Structural twin support vector machine for classification. *Knowledge-Based Systems*, **2013**, 43, 74-81	7.3	106
77	The analytic hierarchy process: task scheduling and resource allocation in cloud computing environment. *Journal of Supercomputing*, **2013**, 64, 835-848	2.5	158
76	The Role of Text Pre-processing in Sentiment Analysis. *Procedia Computer Science*, **2013**, 17, 26-32	1.6	245
75	Robust twin support vector machine for pattern classification. *Pattern Recognition*, **2013**, 46, 305-316	7.7	214
74	A framework for application-driven classification of data streams. *Neurocomputing*, **2012**, 92, 170-182	5.4	14
73	Laplacian twin support vector machine for semi-supervised classification. *Neural Networks*, **2012**, 35, 46-53	9.1	148
72	Twin support vector machine with Universum data. *Neural Networks*, **2012**, 36, 112-9	9.1	98
71	Modeling Return Rate Correlation between Shanghai and Shenzhen Stock Markets Using Copula Function **2012**,		2
70	RECENT ADVANCES ON SUPPORT VECTOR MACHINES RESEARCH. *Technological and Economic Development of Economy*, **2012**, 18, 5-33	4.7	90
69	EVALUATION OF CLASSIFICATION ALGORITHMS USING MCDM AND RANK CORRELATION. *International Journal of Information Technology and Decision Making*, **2012**, 11, 197-225	2.8	433
68	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
67	Database Keyword Search: A Perspective from Optimization **2012**,		2
66	A multicriteria decision making approach for estimating the number of clusters in a data set. *PLoS ONE*, **2012**, 7, e41713	3.7	15
65	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

64	Optimization Based Data Mining: Theory and Applications. *Advanced Information and Knowledge Processing*, **2011**,	0.3	117
63	Empirical Study of the Viscous Knowledge Transfer Effectiveness in Software Enterprises **2011**, 227-246		
62	FAMCDM: A fusion approach of MCDM methods to rank multiclass classification algorithms. *Omega*, **2011**, 39, 677-689	7.2	149
61	Robust ensemble learning for mining noisy data streams. *Decision Support Systems*, **2011**, 50, 469-479	5.6	54
60	Multiple criteria decision making and decision support systems Guest editor's introduction. *Decision Support Systems*, **2011**, 51, 247-249	5.6	40
59	A Dynamic Assessment Method for Urban Eco-environmental Quality Evaluation. *Journal of Multi-Criteria Decision Analysis*, **2011**, 18, 23-38	1.9	2
58	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
57	Credit risk evaluation with kernel-based affine subspace nearest points learning method. *Expert Systems With Applications*, **2011**, 38, 4272-4279	7.8	18
56	Post Mining of Multiple Criteria Linear Programming Classification Model for Actionable Knowledge in Credit Card Churning Management **2011**,		2
55	Classification for Orange Varieties Using Near Infrared Spectroscopy **2011**,		1
54	A Fuzzy Clustering Algorithm for Petroleum Data **2011**,		2
53	Entity Resolution with Attribute and Connection Graph **2011**,		1
52	A group of knowledge-incorporated multiple criteria linear programming classifiers. *Journal of Computational and Applied Mathematics*, **2011**, 235, 3705-3717	2.4	2
51	An empirical study of classification algorithm evaluation for financial risk prediction. *Applied Soft Computing Journal*, **2011**, 11, 2906-2915	7.5	120
50	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
49	Domain Driven Two-Phase Feature Selection Method Based on Bhattacharyya Distance and Kernel Distance Measurements **2011**,		3
48	A new nonlinear classification model based on cross-oriented Choquet integrals **2011**,		3
47	Decision Rule Extraction for Regularized Multiple Criteria Linear Programming Model. *International Journal of Data Warehousing and Mining*, **2011**, 7, 88-101	1	2

46	THE RESEARCH TREND OF INFORMATION TECHNOLOGY AND DECISION MAKING IN 2009. *International Journal of Information Technology and Decision Making*, **2010**, 09, 1-8	2.8	20
45	Multiple criteria programming models for VIP E-Mail behavior analysis. *Web Intelligence and Agent Systems*, **2010**, 8, 69-78		10
44	Semi-supervised PLSA for Document Clustering **2010**,		6
43	Find Intelligent Knowledge by Second-Order Mining: Three Cases from China **2010**,		4
42	Subspace Distance-Based Sampling Method for SVM **2010**,		2
41	HIGH UTILITY ITEMSETS MINING. *International Journal of Information Technology and Decision Making*, **2010**, 09, 905-934	2.8	11
40	Predicting Credit Card Holder Churn in Banks of China Using Data Mining and MCDM **2010**,		7
39	Active learning from stream data using optimal weight classifier ensemble. *IEEE Transactions on Systems, Man, and Cybernetics*, **2010**, 40, 1607-21		72
38	Domain-Driven Classification Based on Multiple Criteria and Multiple Constraint-Level Programming for Intelligent Credit Scoring. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 826-838	4.2	26
37	FMCDM: A fuzzy multi-criteria decision-making hybrid approach to evaluate the damage level of typhoon: Integration of fuzzy AHP and fuzzy TOPSIS **2010**,		4
36	Using Projection Gradient Method to Train Linear Support Vector Machines **2010**,		1
35	Multiple criteria optimization-based data mining methods and applications: a systematic survey. *Knowledge and Information Systems*, **2010**, 24, 369-391	2.4	30
34	Foundations of intelligent knowledge management. *Human Systems Management*, **2009**, 28, 145-161	1.9	23
33	CURRENT RESEARCH TREND: INFORMATION TECHNOLOGY AND DECISION MAKING IN 2008. *International Journal of Information Technology and Decision Making*, **2009**, 08, 1-5	2.8	12
32	Several multi-criteria programming methods for classification. *Computers and Operations Research*, **2009**, 36, 823-836	4.6	24
31	Regularized multiple criteria linear programs for classification. *Science in China Series F: Information Sciences*, **2009**, 52, 1812-1820		14
30	A class of classification and regression methods by multiobjective programming. *Frontiers of Computer Science*, **2009**, 3, 192-204		8
29	Multiple criteria mathematical programming for multi-class classification and application in network intrusion detection. *Information Sciences*, **2009**, 179, 371-381	7.7	67

28	A New Kernel-Based Classification Algorithm **2009**,		6
27	A New Research Field: Intelligent Knowledge Management **2009**,		5
26	An Aggregate Ensemble for Mining Concept Drifting Data Streams with Noise. *Lecture Notes in Computer Science*, **2009**, 1021-1029	0.9	10
25	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
24	A Bias-Variance Analysis of Multiple Criteria Linear Programming Classification Ensembles **2008**,		1
23	Research on Evaluation Model of Organisational Knowledge Assets. *Journal of Information and Knowledge Management*, **2008**, 07, 47-54	0.9	2
22	Categorizing and mining concept drifting data streams **2008**,		51
21	MCLP-based methods for improving Bad□catching rate in credit cardholder behavior analysis. *Applied Soft Computing Journal*, **2008**, 8, 1259-1265	7.5	25
20	A Regularized Multiple Criteria Linear Program for Classification **2007**,		6
19	DEVELOPING MINING-GRID CENTRIC E-FINANCE PORTALS FOR RISK MANAGEMENT AND DECISION MAKING. *International Journal of Pattern Recognition and Artificial Intelligence*, **2007**, 21, 639-658	1.1	5
18	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
17	A Data Mining Approach to Classify Credit Cardholders' Behavior **2006**,		2
16	Nonlinear Classification by Linear Programming with Signed Fuzzy Measures **2006**,		1
15	Discovering Credit Cardholders□Behavior by Multiple Criteria Linear Programming. *Annals of Operations Research*, **2005**, 135, 261-274	3.2	54
14	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
13	Classification of HIV-1-mediated neuronal dendritic and synaptic damage using multiple criteria linear programming. *Neuroinformatics*, **2004**, 2, 303-26	3.2	38
12	Human Resource Allocation in a CPA Firm: A Fuzzy Set Approach. *Review of Quantitative Finance and Accounting*, **2003**, 20, 277-290	1.7	14
11	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

10	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
9	An Integer Linear Programming Problem with Multi-Criteria and Multi-Constraint Levels: a Branch-and-Partition Algorithm. *International Transactions in Operational Research*, **2001**, 8, 497-509	2.9	3
8	Data Mining in Credit Card Portfolio Management: A Multiple Criteria Decision Making Approach. *Lecture Notes in Economics and Mathematical Systems*, **2001**, 427-436	0.4	67
7	A STATE-OF-THE-ART OF MC2 LINEAR PROGRAMMING **2000**, 304-330		
6	Optimal trade-offs of multiple factors in transfer pricing problems. *Journal of Multi-Criteria Decision Analysis*, **1998**, 7, 98-108	1.9	3
5	Capital budgeting with multiple criteria and multiple decision makers. *Review of Quantitative Finance and Accounting*, **1996**, 7, 97	1.7	16
4	Exploring Freight Loading Management by Deep Learning: a Case Study in Home Furnishing Industry. *Annals of Data Science*,1	1.6	0
3	Relationship between Herd Behavior and Chinese Stock Market Fluctuations during a Bullish Period Based on Complex Networks. *International Journal of Information Technology and Decision Making*,1-17	2.8	0
2	Method for Improving the Performance of Technical Analysis Indicators By Neural Network Models. *Computational Economics*,1	1.4	0
1	A Survey for Sparse Regularization Based Compression Methods. *Annals of Data Science*,1	1.6	