Shichao Zhang

List of Publications by Year
in descending order

133	7,521	94269 37	58464 82
papers	citations	h-index	g-index

139	139	139	5198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noise Removal in Embedded Image With Bit Approximation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1359-1369.	4.0	4
2	MSANet: Multi-scale attention networks for image classification. Multimedia Tools and Applications, 2022, 81, 34325-34344.	2.6	3
3	MSSPQ: Multiple Semantic Structure-Preserving Quantization for Cross-Modal Retrieval. , 2022, , .		4
4	Hyper-class representation of data. Neurocomputing, 2022, 503, 200-218.	3.5	10
5	Efficient Utilization of Missing Data in Cost-Sensitive Learning. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2425-2436.	4.0	52
6	Anomaly Detection With Kernel Preserving Embedding. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-18.	2.5	8
7	M2GUDA. , 2021, , .		6
8	Unsupervised nonlinear feature selection algorithm via kernel function. Neural Computing and Applications, 2020, 32, 6443-6454.	3.2	9
9	Mutual kNN based spectral clustering. Neural Computing and Applications, 2020, 32, 6435-6442.	3.2	10
10	Cost-sensitive KNN classification. Neurocomputing, 2020, 391, 234-242.	3.5	88
11	Spectral clustering via half-quadratic optimization. World Wide Web, 2020, 23, 1969-1988.	2.7	64
12	Adversarial Learning-Based Semantic Correlation Representation for Cross-Modal Retrieval. IEEE MultiMedia, 2020, 27, 79-90.	1.5	20
13	Self-paced hybrid dilated convolutional neural networks. Multimedia Tools and Applications, 2020, , 1.	2.6	1
14	Unsupervised Spectral Feature Selection with Dynamic Hyper-graph Learning. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	45
15	TDHPPIR: An Efficient Deep Hashing Based Privacy-Preserving Image Retrieval Method. Neurocomputing, 2020, 406, 386-398.	3.5	32
16	Self-weighted Multi-view Fuzzy Clustering. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-17.	2.5	20
17	Sparse Graph Connectivity for Image Segmentation. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-19.	2.5	3
18	Low-Rank Sparse Subspace for Spectral Clustering. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1532-1543.	4.0	139

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19	Robust Image Hashing with Tensor Decomposition. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 549-560.	4.0	87
20	One-Step Multi-View Spectral Clustering. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 2022-2034.	4.0	165
21	Local and Global Structure Preservation for Robust Unsupervised Spectral Feature Selection. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 517-529.	4.0	160
22	Sparse sample self-representation for subspace clustering. Neural Computing and Applications, 2018, 29, 43-49.	3.2	9
23	Efficient subspace clustering based on self-representation and grouping effect. Neural Computing and Applications, 2018, 29, 51-59.	3.2	4
24	Efficient kNN Classification With Different Numbers of Nearest Neighbors. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1774-1785.	7.2	775
25	Efficient Outlier Detection for High-Dimensional Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2451-2461.	5.9	52
26	A novel k NN algorithm with data-driven k parameter computation. Pattern Recognition Letters, 2018, 109, 44-54.	2.6	137
27	Unsupervised feature selection by combining subspace learning with feature self-representation. Pattern Recognition Letters, 2018, 109, 35-43.	2.6	17
28	Supervised feature selection algorithm via discriminative ridge regression. World Wide Web, 2018, 21, 1545-1562.	2.7	16
29	Image hashing with color vector angle. Neurocomputing, 2018, 308, 147-158.	3.5	32
30	Multiple-scale cost sensitive decision tree learning. World Wide Web, 2018, 21, 1787-1800.	2.7	10
31	Learning Instance Correlation Functions for Multilabel Classification. IEEE Transactions on Cybernetics, 2017, 47, 499-510.	6.2	39
32	Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1263-1275.	7.2	282
33	Feature selection by combining subspace learning with sparse representation. Multimedia Systems, 2017, 23, 285-291.	3.0	19
34	Low-rank feature selection for multi-view regression. Multimedia Tools and Applications, 2017, 76, 17479-17495.	2.6	17
35	Learning k for kNN Classification. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-19.	2.9	265
36	Spectral clustering based on hypergraph and self-re-presentation. Multimedia Tools and Applications, 2017, 76, 17559-17576.	2.6	9

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37	Graph PCA Hashing for Similarity Search. IEEE Transactions on Multimedia, 2017, 19, 2033-2044.	5.2	171
38	Leverage triple relational structures via low-rank feature reduction for multi-output regression. Multimedia Tools and Applications, 2017, 76, 17461-17477.	2.6	7
39	Low-rank unsupervised graph feature selection via feature self-representation. Multimedia Tools and Applications, 2017, 76, 12149-12164.	2.6	4
40	Graph self-representation method for unsupervised feature selection. Neurocomputing, 2017, 220, 130-137.	3.5	137
41	Unsupervised feature selection for visual classification via feature-representation property. Neurocomputing, 2017, 236, 5-13.	3.5	14
42	Supervised Feature Selection Algorithm Based on Low-Rank and Manifold Learning. Lecture Notes in Computer Science, 2017, , 273-286.	1.0	2
43	Adaptive Hypergraph Learning for Unsupervised Feature Selection. , 2017, , .		21
44	Self-representation nearest neighbor search for classification. Neurocomputing, 2016, 195, 137-142.	3.5	17
45	Block-Row Sparse Multiview Multilabel Learning for Image Classification. IEEE Transactions on Cybernetics, 2016, 46, 450-461.	6.2	278
46	Efficient kNN classification algorithm for big data. Neurocomputing, 2016, 195, 143-148.	3.5	389
47	Neighbor selection for multilabel classification. Neurocomputing, 2016, 182, 187-196.	3.5	24
48	Robust Image Hashing With Ring Partition and Invariant Vector Distance. IEEE Transactions on Information Forensics and Security, 2016, 11, 200-214.	4.5	194
49	Low-Rank Feature Reduction and Sample Selection for Multi-output Regression. Lecture Notes in Computer Science, 2016, , 126-141.	1.0	2
50	Supervised Feature Selection by Robust Sparse Reduced-Rank Regression. Lecture Notes in Computer Science, 2016, , 700-713.	1.0	0
51	Unsupervised Hypergraph Feature Selection with Low-Rank and Self-Representation Constraints. Lecture Notes in Computer Science, 2016, , 172-187.	1.0	0
52	Multi-view multi-sparsity kernel reconstruction for multi-class image classification. Neurocomputing, 2015, 169, 43-49.	3.5	16
53	Penalized pairwise least square discriminant analysis with <mml:math altimg="si0004.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	5.1	25
54	A NEW SUPERVISED FEATURE SELECTION METHOD FOR PATTERN CLASSIFICATION. Computational Intelligence, 2014, 30, 342-361.	2.1	33

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55	Clustering web documents using hierarchical representation with multi-granularity. World Wide Web, 2014, 17, 105-126.	2.7	12
56	Robust Perceptual Image Hashing Based on Ring Partition and NMF. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 711-724.	4.0	163
57	MLSLR: Multilabel Learning via Sparse Logistic Regression. Information Sciences, 2014, 281, 310-320.	4.0	35
58	Efficient kNN Algorithm Based on Graph Sparse Reconstruction. Lecture Notes in Computer Science, 2014, , 356-369.	1.0	18
59	kNN Algorithm with Data-Driven k Value. Lecture Notes in Computer Science, 2014, , 499-512.	1.0	59
60	Cost-Sensitive Classification with k-Nearest Neighbors. Lecture Notes in Computer Science, 2013, , 112-131.	1.0	26
61	Mixed-Norm Regression for Visual Classification. Lecture Notes in Computer Science, 2013, , 265-276.	1.0	2
62	Nearest neighbor selection for iteratively kNN imputation. Journal of Systems and Software, 2012, 85, 2541-2552.	3.3	255
63	Cost-sensitive classification with inadequate labeled data. Information Systems, 2012, 37, 508-516.	2.4	37
64	Decision tree classifiers sensitive to heterogeneous costs. Journal of Systems and Software, 2012, 85, 771-779.	3.3	40
65	Noisy data elimination using mutual k-nearest neighbor for classification mining. Journal of Systems and Software, 2012, 85, 1067-1074.	3.3	83
66	Mining bridging rules between conceptual clusters. Applied Intelligence, 2012, 36, 108-118.	3.3	5
67	A New Multi-label Learning Algorithm Using Shelly Neighbors. Lecture Notes in Computer Science, 2012, , 214-222.	1.0	0
68	Missing Value Estimation for Mixed-Attribute Data Sets. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 110-121.	4.0	229
69	Fundamentals of association rules in data mining and knowledge discovery. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 97-116.	4.6	39
70	Information enhancement for data mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 284-295.	4.6	4
71	Shell-neighbor method and its application in missing data imputation. Applied Intelligence, 2011, 35, 123-133.	3.3	105
72	Dealing with inconsistent secure messages by weighting majority. Knowledge-Based Systems, 2011, 24, 731-739.	4.0	1

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73	Missing data imputation by utilizing information within incomplete instances. Journal of Systems and Software, 2011, 84, 452-459.	3.3	75
74	Cost-sensitive classification with respect to waiting cost. Knowledge-Based Systems, 2010, 23, 369-378.	4.0	32
75	Summary queries for frequent itemsets mining. Journal of Systems and Software, 2010, 83, 405-411.	3.3	3
76	Handling over-fitting in test cost-sensitive decision tree learning by feature selection, smoothing and pruning. Journal of Systems and Software, 2010, 83, 1137-1147.	3.3	42
77	Acquiring knowledge from inconsistent data sources through weighting. Data and Knowledge Engineering, 2010, 69, 779-799.	2.1	8
78	Incorporating medical history to cost sensitive classification with lazy learning strategy. , 2010, , .		1
79	Cost Sensitive Classification in Data Mining. Lecture Notes in Computer Science, 2010, , 1-11.	1.0	10
80	Efficient missing data imputation for supervised learning. , 2010, , .		24
81	Weighting imputation methods and their evaluation under shell-neighbor machine. , 2010, , .		0
82	Estimating Semi-Parametric Missing Values with Iterative Imputation. International Journal of Data Warehousing and Mining, 2010, 6, 1-10.	0.4	4
83	CONFIDENCE METRICS FOR ASSOCIATION RULE MINING. Applied Artificial Intelligence, 2009, 23, 713-737.	2.0	4
84	POP algorithm: Kernel-based imputation to treat missing values in knowledge discovery from databases. Expert Systems With Applications, 2009, 36, 2794-2804.	4.4	54
85	A decremental algorithm of frequent itemset maintenance for mining updated databases. Expert Systems With Applications, 2009, 36, 10890-10895.	4.4	7
86	Mining globally interesting patterns from multiple databases using kernel estimation. Expert Systems With Applications, 2009, 36, 10863-10869.	4.4	19
87	Genetic algorithm-based strategy for identifying association rules without specifying actual minimum support. Expert Systems With Applications, 2009, 36, 3066-3076.	4.4	177
88	Missing Data Analysis: A Kernel-Based Multi-Imputation Approach. Lecture Notes in Computer Science, 2009, , 122-142.	1.0	7
89	Computing the minimum-support for mining frequent patterns. Knowledge and Information Systems, 2008, 15, 233-257.	2.1	37
90	Mining follow-up correlation patterns from time-related databases. Knowledge and Information Systems, 2008, 14, 81-100.	2.1	7

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91	Missing Value Imputation Based on Data Clustering. , 2008, , 128-138.		58
92	ON DATA STRUCTURES FOR ASSOCIATION RULE DISCOVERY. Applied Artificial Intelligence, 2007, 21, 57-79.	2.0	3
93	Distributed Frequent Closed Itemsets Mining. , 2007, , .		1
94	EDUA: An efficient algorithm for dynamic database mining. Information Sciences, 2007, 177, 2756-2767.	4.0	25
95	Semi-parametric optimization for missing data imputation. Applied Intelligence, 2007, 27, 79-88.	3.3	91
96	GBKII: An Imputation Method for Missing Values. , 2007, , 1080-1087.		28
97	Cost-Time Sensitive Decision Tree with Missing Values. , 2007, , 447-459.		5
98	Optimized Parameters for Missing Data Imputation. Lecture Notes in Computer Science, 2006, , 1010-1016.	1.0	11
99	Identifying Follow-Correlation Itemset-Pairs. IEEE International Conference on Data Mining, 2006, , .	0.0	5
100	Mining Multiple Data Sources: Local Pattern Analysis. Data Mining and Knowledge Discovery, 2006, 12, 121-125.	2.4	29
101	A logical framework for identifying quality knowledge from different data sources. Decision Support Systems, 2006, 42, 1673-1683.	3.5	26
102	Clustering-based Missing Value Imputation for Data Preprocessing. , 2006, , .		42
103	Database classification for multi-database mining. Information Systems, 2005, 30, 71-88.	2.4	110
104	ENDL: A Logical Framework for Verifying Secure Transaction Protocols. Knowledge and Information Systems, 2005, 7, 84-109.	2.1	8
105	"Missing is useful": missing values in cost-sensitive decision trees. IEEE Transactions on Knowledge and Data Engineering, 2005, 17, 1689-1693.	4.0	153
106	ARMGA: IDENTIFYING INTERESTING ASSOCIATION RULES WITH GENETIC ALGORITHMS. Applied Artificial Intelligence, 2005, 19, 677-689.	2.0	35
107	Identifying Interesting Customers through Web Log Classification. IEEE Intelligent Systems, 2005, 20, 55-59.	4.0	36
108	Decision trees with minimal costs. , 2004, , .		164

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109	Mining Term Association Rules for Heuristic Query Construction. Lecture Notes in Computer Science, 2004, , 145-154.	1.0	6
110	IDENTIFYING SOFTWARE COMPONENT ASSOCIATION WITH GENETIC ALGORITHM. International Journal of Software Engineering and Knowledge Engineering, 2004, 14, 441-447.	0.6	3
111	A fuzzy logic based method to acquire user threshold of minimum-support for mining association rules. Information Sciences, 2004, 164, 1-16.	4.0	15
112	An efficient strategy for mining exceptions in multi-databases. Information Sciences, 2004, 165, 1-20.	4.0	10
113	Efficient mining of both positive and negative association rules. ACM Transactions on Information Systems, 2004, 22, 381-405.	3.8	386
114	Guest editors' introduction - Information enhancement for data mining. IEEE Intelligent Systems, 2004, 19, 12-13.	4.0	18
115	MINING DEPENDENT PATTERNS IN PROBABILISTIC DATABASES. Cybernetics and Systems, 2004, 35, 399-424.	1.6	2
116	Cost-Sensitive Decision Trees with Multiple Cost Scales. Lecture Notes in Computer Science, 2004, , 380-390.	1.0	12
117	Is Minimum-Support Appropriate to Identifying Large Itemsets?. Lecture Notes in Computer Science, 2004, , 474-484.	1.0	0
118	Identifying Approximate Itemsets of Interest in Large Databases. Applied Intelligence, 2003, 18, 91-104.	3.3	21
119	Post-mining: maintenance of association rules by weighting. Information Systems, 2003, 28, 691-707.	2.4	46
120	Cooperative strategy for web data mining and cleaning. Applied Artificial Intelligence, 2003, 17, 443-460.	2.0	21
121	Synthesizing high-frequency rules from different data sources. IEEE Transactions on Knowledge and Data Engineering, 2003, 15, 353-367.	4.0	125
122	Data preparation for data mining. Applied Artificial Intelligence, 2003, 17, 375-381.	2.0	339
123	An agent-based hybrid framework for database mining. Applied Artificial Intelligence, 2003, 17, 383-398.	2.0	18
124	Toward databases mining: Pre-processing collected data. Applied Artificial Intelligence, 2003, 17, 545-561.	2.0	13
125	Temporal constraint satisfaction in matrix method. Applied Artificial Intelligence, 2003, 17, 135-154.	2.0	0
126	A Database-Independent Approach of Mining Association Rules with Genetic Algorithm. Lecture Notes in Computer Science, 2003, , 882-886.	1.0	4

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127	Verifying the Purchase Request in SET Protocol. Lecture Notes in Computer Science, 2003, , 263-274.	1.0	2
128	Propagating temporal relations of intervals by matrix. Applied Artificial Intelligence, 2002, 16, 1-27.	2.0	29
129	Discovering causality in large databases. Applied Artificial Intelligence, 2002, 16, 333-358.	2.0	7
130	Anytime mining for multiuser applications. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 515-521.	3.4	10
131	Large scale data mining based on data partitioning. Applied Artificial Intelligence, 2001, 15, 129-139.	2.0	13
132	A nearest neighborhood algebra for probabilistic databases. Intelligent Data Analysis, 2000, 4, 29-49.	0.4	4
133	Estimating Semi-Parametric Missing Values with Iterative Imputation. , 0, , 147-156.		0