

# Xindong Wu

## 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.

407  
papers

16,648  
citations

48  
h-index

122  
g-index

456  
ext. papers

20,762  
ext. citations

4.3  
avg, IF

7.2  
L-index

#	Paper	IF	Citations
407	Top 10 algorithms in data mining. <i>Knowledge and Information Systems</i> , <b>2008</b> , 14, 1-37	2.4	2896
406	Data mining with big data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 97-107	4.2	1322
405	Object Detection With Deep Learning: A Review. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2019</b> , 30, 3212-3232	10.3	1264
404	General tensor discriminant analysis and gabor features for gait recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2007</b> , 29, 1700-15	13.3	884
403	Asymmetric bagging and random subspace for support vector machines-based relevance feedback in image retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2006</b> , 28, 1088-99	13.3	645
402	10 CHALLENGING PROBLEMS IN DATA MINING RESEARCH. <i>International Journal of Information Technology and Decision Making</i> , <b>2006</b> , 05, 597-604	2.8	508
401	Class Noise vs. Attribute Noise: A Quantitative Study. <i>Artificial Intelligence Review</i> , <b>2004</b> , 22, 177-210	9.7	487
400	Geometric mean for subspace selection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2009</b> , 31, 260-74	13.3	428
399	Visual-textual joint relevance learning for tag-based social image search. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 363-76	8.7	313
398	Efficient mining of both positive and negative association rules. <i>ACM Transactions on Information Systems</i> , <b>2004</b> , 22, 381-405	4.8	286
397	Multimodal graph-based reranking for web image search. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 4649-61	8.7	255
396	Supervised tensor learning. <i>Knowledge and Information Systems</i> , <b>2007</b> , 13, 1-42	2.4	246
395	Robust Joint Graph Sparse Coding for Unsupervised Spectral Feature Selection. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1263-1275	10.3	236
394	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 2088-2098	8.9	157
393	Image annotation by multiple-instance learning with discriminative feature mapping and selection. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 669-80	10.2	155
392	On Deep Learning for Trust-Aware Recommendations in Social Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1164-1177	10.3	147
391	Manifold elastic net: a unified framework for sparse dimension reduction. <i>Data Mining and Knowledge Discovery</i> , <b>2011</b> , 22, 340-371	5.6	144

390	Online feature selection with streaming features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 1178-92	13.3	136
389	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 1864-1877	4.2	120
388	Visual Classification by Sell <sub>1</sub> -Hypergraph Modeling. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 2564-2574	4.2	105
387	Learning Label-Specific Features and Class-Dependent Labels for Multi-Label Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 3309-3323	4.2	96
386	Automatic clustering using genetic algorithms. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 218, 1267-1279		92
385	Synthesizing high-frequency rules from different data sources. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2003</b> , 15, 353-367	4.2	88
384	Learning on Big Graph: Label Inference and Regularization with Anchor Hierarchy. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1101-1114	4.2	86
383	Tensor Rank One Discriminant Analysis: a convergent method for discriminative multilinear subspace selection. <i>Neurocomputing</i> , <b>2008</b> , 71, 1866-1882	5.4	85
382	Database classification for multi-database mining. <i>Information Systems</i> , <b>2005</b> , 30, 71-88	2.7	85
381	Streaming Feature Selection for Multilabel Learning Based on Fuzzy Mutual Information. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1491-1507	8.3	84
380	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2008</b> , 18, 1397-1410	6.4	84
379	Support vector machines based on K-means clustering for real-time business intelligence systems. <i>International Journal of Business Intelligence and Data Mining</i> , <b>2005</b> , 1, 54	0.3	81
378	Online feature selection for high-dimensional class-imbalanced data. <i>Knowledge-Based Systems</i> , <b>2017</b> , 136, 187-199	7.3	79
377	Mining sequential patterns with periodic wildcard gaps. <i>Applied Intelligence</i> , <b>2014</b> , 41, 99-116	4.9	75
376	Efficient string matching with wildcards and length constraints. <i>Knowledge and Information Systems</i> , <b>2006</b> , 10, 399-419	2.4	75
375	Learning from crowdsourced labeled data: a survey. <i>Artificial Intelligence Review</i> , <b>2016</b> , 46, 543-576	9.7	73
374	Joint Feature Selection and Classification for Multilabel Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 876-889	10.2	72
373	Combining proactive and reactive predictions for data streams <b>2005</b> ,		69

372	Towards Effective Bug Triage with Software Data Reduction Techniques. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 264-280	4.2	68
371	Video data mining: semantic indexing and event detection from the association perspective. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2005</b> , 17, 665-677	4.2	68
370	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2008</b> , 38, 917-932		67
369	Mining in Anticipation for Concept Change: Proactive-Reactive Prediction in Data Streams. <i>Data Mining and Knowledge Discovery</i> , <b>2006</b> , 13, 261-289	5.6	64
368	Exploring video content structure for hierarchical summarization. <i>Multimedia Systems</i> , <b>2004</b> , 10, 98-115	2.2	64
367	Multi-label feature selection with streaming labels. <i>Information Sciences</i> , <b>2016</b> , 372, 256-275	7.7	57
366	A Study on Big Knowledge and Its Engineering Issues. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 1630-1644	4.2	54
365	Learning Label Specific Features for Multi-label Classification <b>2015</b> ,		54
364	Robust ensemble learning for mining noisy data streams. <i>Decision Support Systems</i> , <b>2011</b> , 50, 469-479	5.6	54
363	Scalable and Accurate Online Feature Selection for Big Data. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2016</b> , 11, 1-39	4	54
362	Nonnegative Matrix Factorization on Orthogonal Subspace. <i>Pattern Recognition Letters</i> , <b>2010</b> , 31, 905-914	4.7	53
361	ApLeaf: An efficient android-based plant leaf identification system. <i>Neurocomputing</i> , <b>2015</b> , 151, 1112-1119	4.9	48
360	Learning from concept drifting data streams with unlabeled data. <i>Neurocomputing</i> , <b>2012</b> , 92, 145-155	5.4	48
359	Active learning with imbalanced multiple noisy labeling. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 1081-1092	4.8	47
358	Hierarchical video content description and summarization using unified semantic and visual similarity. <i>Multimedia Systems</i> , <b>2003</b> , 9, 31-53	2.2	47
357	Compressed labeling on distilled labelsets for multi-label learning. <i>Machine Learning</i> , <b>2012</b> , 88, 69-126	4	45
356	Multi-Instance Learning with Discriminative Bag Mapping. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 1065-1080	4.2	44
355	Optimizing Service Systems Based on Application-Level QoS. <i>IEEE Transactions on Services Computing</i> , <b>2009</b> , 2, 108-121	4.8	43

354	General Averaged Divergence Analysis <b>2007</b> ,		43
353	Positive and Unlabeled Multi-Graph Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 818-829	10.2	42
352	Online Feature Selection with Group Structure Analysis. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 3029-3041	4.2	42
351	Multi-Class Ground Truth Inference in Crowdsourcing with Clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 1080-1085	4.2	42
350	Cooperative sparse representation in two opposite directions for semi-supervised image annotation. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 4218-31	8.7	42
349	Towards Scalable and Accurate Online Feature Selection for Big Data <b>2014</b> ,		41
348	Subkilometer crater discovery with boosting and transfer learning. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2011</b> , 2, 1-22	8	41
347	A Fast Parallel Community Discovery Model on Complex Networks Through Approximate Optimization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 1638-1651	4.2	40
346	Imbalanced Multiple Noisy Labeling. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 489-503	4.2	40
345	Multi-document summarization using closed patterns. <i>Knowledge-Based Systems</i> , <b>2016</b> , 99, 28-38	7.3	40
344	Knowledge Engineering with Big Data. <i>IEEE Intelligent Systems</i> , <b>2015</b> , 30, 46-55	4.2	39
343	Authorship identification from unstructured texts. <i>Knowledge-Based Systems</i> , <b>2014</b> , 66, 99-111	7.3	39
342	Knowledge Discovery in Multiple Databases. <i>Advanced Information and Knowledge Processing</i> , <b>2004</b> ,	0.3	38
341	Efficient sequential pattern mining with wildcards for keyphrase extraction. <i>Knowledge-Based Systems</i> , <b>2017</b> , 115, 27-39	7.3	37
340	Learning concept-drifting data streams with random ensemble decision trees. <i>Neurocomputing</i> , <b>2015</b> , 166, 68-83	5.4	36
339	Short Text Topic Modeling Techniques, Applications, and Performance: A Survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	36
338	Improving Crowdsourced Label Quality Using Noise Correction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 1675-1688	10.3	36
337	Incremental Subgraph Feature Selection for Graph Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 128-142	4.2	36

336	Ensemble pruning via individual contribution ordering <b>2010</b> ,		36
335	Online streaming feature selection using adapted Neighborhood Rough Set. <i>Information Sciences</i> , <b>2019</b> , 481, 258-279	7.7	36
334	OFS-Density: A novel online streaming feature selection method. <i>Pattern Recognition</i> , <b>2019</b> , 86, 48-61	7.7	35
333	NOSEP: Nonoverlapping Sequence Pattern Mining With Gap Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2809-2822	10.2	34
332	PMBC: pattern mining from biological sequences with wildcard constraints. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 481-92	7	34
331	Predicting Long-Term Trajectories of Connected Vehicles via the Prefix-Projection Technique. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 2305-2315	6.1	33
330	An Epidemic Model for News Spreading on Twitter <b>2011</b> ,		33
329	A Distributed Cache for Hadoop Distributed File System in Real-Time Cloud Services <b>2012</b> ,		32
328	Bridging Local and Global Data Cleansing: Identifying Class Noise in Large, Distributed Data Datasets. <i>Data Mining and Knowledge Discovery</i> , <b>2006</b> , 12, 275-308	5.6	32
327	Graph-Based Learning via Auto-Grouped Sparse Regularization and Kernelized Extension. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 142-154	4.2	31
326	Spatiochromatic Context Modeling for Color Saliency Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 1177-89	10.3	28
325	Topic Modeling over Short Texts by Incorporating Word Embeddings. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 363-374	0.9	28
324	Image quality assessment based on matching pursuit. <i>Information Sciences</i> , <b>2014</b> , 273, 196-211	7.7	28
323	MLSLR: Multilabel Learning via Sparse Logistic Regression. <i>Information Sciences</i> , <b>2014</b> , 281, 310-320	7.7	28
322	NESVM: A Fast Gradient Method for Support Vector Machines <b>2010</b> ,		28
321	Mining maximal frequent itemsets from data streams. <i>Journal of Information Science</i> , <b>2007</b> , 33, 251-262	2	28
320	LOFS: A library of online streaming feature selection. <i>Knowledge-Based Systems</i> , <b>2016</b> , 113, 1-3	7.3	28
319	How to Estimate the Regularization Parameter for Spectral Regression Discriminant Analysis and its Kernel Version?. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2014</b> , 24, 211-223	6.4	27

318	A NEW SUPERVISED FEATURE SELECTION METHOD FOR PATTERN CLASSIFICATION. <i>Computational Intelligence</i> , <b>2014</b> , 30, 342-361	2.5	27
317	Anonymizing classification data using rough set theory. <i>Knowledge-Based Systems</i> , <b>2013</b> , 43, 82-94	7.3	27
316	Maximizing influence spread in modular social networks by optimal resource allocation. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 13128-13135	7.8	26
315	Self-Taught Active Learning from Crowds <b>2012</b> ,		26
314	A survey on online feature selection with streaming features. <i>Frontiers of Computer Science</i> , <b>2018</b> , 12, 479-493	2.2	26
313	Computing term similarity by large probabilistic isA knowledge <b>2013</b> ,		25
312	Image set classification based on cooperative sparse representation. <i>Pattern Recognition</i> , <b>2017</b> , 63, 206-217	7.17	25
311	Fundamentals of association rules in data mining and knowledge discovery. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , <b>2011</b> , 1, 97-116	6.9	25
310	SEEN: A Selective Encryption Method to Ensure Confidentiality for Big Sensing Data Streams. <i>IEEE Transactions on Big Data</i> , <b>2019</b> , 5, 379-392	3.2	25
309	Pattern matching with wildcards and gap-length constraints based on a centrality-degree graph. <i>Applied Intelligence</i> , <b>2013</b> , 39, 57-74	4.9	24
308	Penalized partial least square discriminant analysis with $\ell_1$ -norm for multi-label data. <i>Pattern Recognition</i> , <b>2015</b> , 48, 1724-1733	7.7	24
307	Computing the minimum-support for mining frequent patterns. <i>Knowledge and Information Systems</i> , <b>2008</b> , 15, 233-257	2.4	24
306	Class Noise Handling for Effective Cost-Sensitive Learning by Cost-Guided Iterative Classification Filtering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2006</b> , 18, 1435-1440	4.2	24
305	Effective classification of noisy data streams with attribute-oriented dynamic classifier selection. <i>Knowledge and Information Systems</i> , <b>2006</b> , 9, 339-363	2.4	24
304	Causality-based Feature Selection. <i>ACM Computing Surveys</i> , <b>2020</b> , 53, 1-36	13.4	24
303	Majority Voting and Pairing with Multiple Noisy Labeling. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 1355-1368	4.2	24
302	Strict pattern matching under non-overlapping condition. <i>Science China Information Sciences</i> , <b>2017</b> , 60, 1	3.4	23
301	Twitter K-H networks in action: Advancing biomedical literature for drug search. <i>Journal of Biomedical Informatics</i> , <b>2015</b> , 56, 157-68	10.2	22

300	Discretization Methods <b>2009</b> , 101-116		22
299	MReC4.5: C4.5 Ensemble Classification with MapReduce <b>2009</b> ,		22
298	NetNCSP: Nonoverlapping closed sequential pattern mining. <i>Knowledge-Based Systems</i> , <b>2020</b> , 196, 1058-112		22
297	News Filtering and Summarization on the Web. <i>IEEE Intelligent Systems</i> , <b>2010</b> , 25, 68-76	4.2	20
296	Data Mining: How Research Meets Practical Development?. <i>Knowledge and Information Systems</i> , <b>2003</b> , 5, 248-261	2.4	20
295	Short text clustering based on Pitman-Yor process mixture model. <i>Applied Intelligence</i> , <b>2018</b> , 48, 1802-1812	4.1	19
294	Corrupted and occluded face recognition via cooperative sparse representation. <i>Pattern Recognition</i> , <b>2016</b> , 56, 77-87	7.7	19
293	Mining Recurring Concept Drifts with Limited Labeled Streaming Data. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2012</b> , 3, 1-32	8	19
292	Multi-sphere Support Vector Data Description for Outliers Detection on Multi-distribution Data <b>2009</b> ,		19
291	RIEVL: recursive induction learning in hand gesture recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1998</b> , 20, 1174-1185	13.3	19
290	Association analysis with one scan of databases		19
289	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 2709-2723	4.2	19
288	Quality of information-based source assessment and selection. <i>Neurocomputing</i> , <b>2014</b> , 133, 95-102	5.4	18
287	A relation extraction method of Chinese named entities based on location and semantic features. <i>Applied Intelligence</i> , <b>2013</b> , 38, 1-15	4.9	18
286	A logical framework for identifying quality knowledge from different data sources. <i>Decision Support Systems</i> , <b>2006</b> , 42, 1673-1683	5.6	18
285	Three-layer concept drifting detection in text data streams. <i>Neurocomputing</i> , <b>2017</b> , 260, 393-403	5.4	17
284	Consensus algorithms for biased labeling in crowdsourcing. <i>Information Sciences</i> , <b>2017</b> , 382-383, 254-273	3.7	17
283	Trust Agent-Based Behavior Induction in Social Networks. <i>IEEE Intelligent Systems</i> , <b>2016</b> , 31, 24-30	4.2	17



282	Multi-Label Inference for Crowdsourcing <b>2018</b> ,		17
281	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 368-381	4.2	17
280	Group Feature Selection with Streaming Features <b>2013</b> ,		17
279	On big wisdom. <i>Knowledge and Information Systems</i> , <b>2019</b> , 58, 1-8	2.4	17
278	Cross-domain sentiment classification-feature divergence, polarity divergence or both?. <i>Pattern Recognition Letters</i> , <b>2015</b> , 65, 44-50	4.7	16
277	A set-level joint sparse representation for image set classification. <i>Information Sciences</i> , <b>2018</b> , 448-449, 75-90	7.7	16
276	Neighbor selection for multilabel classification. <i>Neurocomputing</i> , <b>2016</b> , 182, 187-196	5.4	16
275	BAMB. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2019</b> , 10, 1-25	8	16
274	Classification with Streaming Features: An Emerging-Pattern Mining Approach. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2015</b> , 9, 1-31	4	16
273	Knowledge reduction for decision tables with attribute value taxonomies. <i>Knowledge-Based Systems</i> , <b>2014</b> , 56, 68-78	7.3	16
272	Dealing with Predictive-but-Unpredictable Attributes in Noisy Data Sources. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 471-483	0.9	16
271	Discovering the \$k\$ Representative Skyline Over a Sliding Window. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 2041-2056	4.2	16
270	Towards efficient and effective discovery of Markov blankets for feature selection. <i>Information Sciences</i> , <b>2020</b> , 509, 227-242	7.7	16
269	Strict approximate pattern matching with general gaps. <i>Applied Intelligence</i> , <b>2015</b> , 42, 566-580	4.9	15
268	A Large Probabilistic Semantic Network Based Approach to Compute Term Similarity. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 2604-2617	4.2	15
267	Approximate pattern matching with gap constraints. <i>Journal of Information Science</i> , <b>2016</b> , 42, 639-658	2	15
266	Clustering Web Services for Automatic Categorization <b>2009</b> ,		15
265	Feature-Induced Partial Multi-label Learning <b>2018</b> ,		15

264	NetNPG: Nonoverlapping pattern matching with general gap constraints. <i>Applied Intelligence</i> , <b>2020</b> , 50, 1832-1845	4.9	14
263	Learning From Short Text Streams With Topic Drifts. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2697-2711	6.2	14
262	Mining globally interesting patterns from multiple databases using kernel estimation. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 10863-10869	7.8	14
261	Pattern Matching with Independent Wildcard Gaps <b>2009</b> ,		14
260	A matrix modular neural network based on task decomposition with subspace division by adaptive affinity propagation clustering. <i>Applied Mathematical Modelling</i> , <b>2010</b> , 34, 3884-3895	4.5	14
259	Discretization Methods <b>2005</b> , 113-130		14
258	Detecting and Assessing Anomalous Evolutionary Behaviors of Nodes in Evolving Social Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2019</b> , 13, 1-24	4	13
257	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2011</b> , 41, 717-729		13
256	Efficient missing data imputation for supervised learning <b>2010</b> ,		13
255	SiteHelper: a localized agent that helps incremental exploration of the World Wide Web. <i>Computer Networks</i> , <b>1997</b> , 29, 1249-1255		13
254	Conceptual equivalence for contrast mining in classification learning. <i>Data and Knowledge Engineering</i> , <b>2008</b> , 67, 413-429	1.5	13
253	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 3041-3052	4.2	12
252	Extracting elite pairwise constraints for clustering. <i>Neurocomputing</i> , <b>2013</b> , 99, 124-133	5.4	12
251	Markov Blanket Feature Selection Using Representative Sets. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 2775-2788	10.3	12
250	Optimizing widths with PSO for center selection of Gaussian radial basis function networks. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-17	3.4	12
249	CLAP: Collaborative pattern mining for distributed information systems. <i>Decision Support Systems</i> , <b>2011</b> , 52, 40-51	5.6	12
248	A RANDOM DECISION TREE ENSEMBLE FOR MINING CONCEPT DRIFTS FROM NOISY DATA STREAMS. <i>Applied Artificial Intelligence</i> , <b>2010</b> , 24, 680-710	2.3	12
247	A Chinese time ontology for the Semantic Web. <i>Knowledge-Based Systems</i> , <b>2011</b> , 24, 1057-1074	7.3	12

246	Mining emerging patterns by streaming feature selection <b>2012,</b>		12
245	Integrating induction and deduction for noisy data mining. <i>Information Sciences</i> , <b>2010</b> , 180, 2663-2673	7.7	12
244	A Semi-Random Multiple Decision-Tree Algorithm for Mining Data Streams. <i>Journal of Computer Science and Technology</i> , <b>2007</b> , 22, 711-724	1.7	12
243	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>1999</b> , 11, 805-812	4.2	12
242	Knowledge graph enhanced neural collaborative recommendation. <i>Expert Systems With Applications</i> , <b>2021</b> , 164, 113992	7.8	12
241	Scalable Active Learning by Approximated Error Reduction <b>2018,</b>		11
240	<b>2010,</b>		11
239	Mining distribution change in stock order streams <b>2010,</b>		11
238	Bayesian tensor analysis <b>2008,</b>		11
237	Discovering Relational Patterns across Multiple Databases <b>2007,</b>		11
236	Large scale data mining based on data partitioning. <i>Applied Artificial Intelligence</i> , <b>2001</b> , 15, 129-139	2.3	11
235	Mining Concept-Drifting Data Streams with Multiple Semi-Random Decision Trees. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 733-740	0.9	11
234	Deep Attributed Network Embedding by Preserving Structure and Attribute Information. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 1434-1445	7.3	11
233	User Vitality Ranking and Prediction in Social Networking Services: A Dynamic Network Perspective. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1343-1356	4.2	10
232	Transfer learning with deep manifold regularized auto-encoders. <i>Neurocomputing</i> , <b>2019</b> , 369, 145-154	5.4	10
231	NetDAP: (□)□ approximate pattern matching with length constraints. <i>Applied Intelligence</i> , <b>2020</b> , 50, 4094-4116	4.9	10
230	A twitter recruitment intelligent system: association rule mining for smoking cessation. <i>Social Network Analysis and Mining</i> , <b>2014</b> , 4, 1	2.2	10
229	Multi-level rough set reduction for decision rule mining. <i>Applied Intelligence</i> , <b>2013</b> , 39, 642-658	4.9	10

228	Multimedia encyclopedia construction by mining web knowledge. <i>Signal Processing</i> , <b>2013</b> , 93, 2361-2368	4.4	10
227	Ensemble learning from multiple information sources via label propagation and consensus. <i>Applied Intelligence</i> , <b>2014</b> , 41, 30-41	4.9	10
226	Personalized News Filtering and Summarization on the Web <b>2011</b> ,		10
225	Cleansing Noisy Data Streams <b>2008</b> ,		10
224	Sequential pattern mining in multiple streams		10
223	An Aggregate Ensemble for Mining Concept Drifting Data Streams with Noise. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 1021-1029	0.9	10
222	Online Feature Selection for Streaming Features Using Self-Adaption Sliding-Window Sampling. <i>IEEE Access</i> , <b>2019</b> , 7, 16088-16100	3.5	10
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213	Rule induction with extension matrices. <i>Journal of the Association for Information Science and Technology</i> , <b>1998</b> , 49, 435-454		9
212	SAIL-APPROX: An Efficient On-Line Algorithm for Approximate Pattern Matching with Wildcards and Length Constraints <b>2007</b> ,		9
211	Fuzzy interpretation of discretized intervals. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1999</b> , 7, 753-759	8.3	9

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203	Towards long-lead forecasting of extreme flood events <b>2013</b> ,		8
202	Web news extraction via path ratios <b>2013</b> ,		8
201	A Nettoree for pattern Matching with flexible wildcard Constraints <b>2010</b> ,		8
200	Inferring Functional Groups from Microbial Gene Catalogue with Probabilistic Topic Models <b>2011</b> ,		8
199	Active Learning with Adaptive Heterogeneous Ensembles <b>2009</b> ,		8
198	Estimating functional groups in human gut microbiome with probabilistic topic models. <i>IEEE Transactions on Nanobioscience</i> , <b>2012</b> , 11, 203-15	3.4	8
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188	SMILE: A Similarity-Based Approach for Multiple Instance Learning <b>2010</b> ,		7
187	A Double-Window-Based Classification Algorithm for Concept Drifting Data Streams <b>2010</b> ,		7
186	Keyword Extraction Based on Lexical Chains and Word Co-occurrence for Chinese News Web Pages <b>2008</b> ,		7
185	NETASPNO: Approximate Strict Pattern Matching Under Nonoverlapping Condition. <i>IEEE Access</i> , <b>2018</b> , 6, 24350-24361	3.5	7
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182	Plant Leaf Identification via a Growing Convolution Neural Network with Progressive Sample Learning. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 348-361	0.9	7
181	Parameter Estimation in Semi-Random Decision Tree Ensembling on Streaming Data. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 376-388	0.9	7
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169	Employing Semantic Context for Sparse Information Extraction Assessment. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2018</b> , 12, 1-36	4	6
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167	Mining stable patterns in multiple correlated databases. <i>Decision Support Systems</i> , <b>2013</b> , 56, 202-210	5.6	6
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165	Causal Associative Classification <b>2011</b> ,		6
164	Sequential Pattern Mining with Wildcards <b>2010</b> ,		6
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158	Collaborative deep recommendation with global and local item correlations. <i>Neurocomputing</i> , <b>2020</b> , 385, 278-291	5.4	6
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156	Online Feature Selection with Capricious Streaming Features: A General Framework <b>2019</b> ,		6
155	Local Graph Edge Partitioning with a Two-Stage Heuristic Method <b>2019</b> ,		6
154	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-15	7.3	6
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152	Toward Mining Capricious Data Streams: A Generative Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1228-1240	10.3	6
151	SALE: Self-adaptive LSH encoding for multi-instance learning. <i>Pattern Recognition</i> , <b>2017</b> , 71, 460-482	7.7	5
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149	Mining bridging rules between conceptual clusters. <i>Applied Intelligence</i> , <b>2012</b> , 36, 108-118	4.9	5
148	A structurally motivated framework for discriminant analysis. <i>Pattern Analysis and Applications</i> , <b>2011</b> , 14, 349-367	2.3	5
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146	Exploring Causal Relationships with Streaming Features. <i>Computer Journal</i> , <b>2012</b> , 55, 1103-1117	1.3	5
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142	Multi-layer incremental induction. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 24-32	0.9	5
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140	Comprehensive Heading Error Processing Technique Using Image Denoising and Tilt-Induced Error Compensation for Polarization Compass. <i>IEEE Access</i> , <b>2020</b> , 8, 187222-187231	3.5	5
139	WEFEST: Word Embedding Feature Extension for Short Text Classification <b>2016</b> ,		5



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137	Online Streaming Feature Selection via Conditional Independence. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2548	2.6	5
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135	A practical algorithm for solving the sparseness problem of short text clustering. <i>Intelligent Data Analysis</i> , <b>2019</b> , 23, 701-716	1.1	4
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133	Weighted partial order oriented three-way decisions under score-based common voting rules. <i>International Journal of Approximate Reasoning</i> , <b>2020</b> , 123, 41-54	3.6	4
132	Document-specific keyphrase candidate search and ranking. <i>Expert Systems With Applications</i> , <b>2018</b> , 97, 163-176	7.8	4
131	Web News Extraction via Tag Path Feature Fusion Using DS Theory. <i>Journal of Computer Science and Technology</i> , <b>2016</b> , 31, 661-672	1.7	4
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129	Markov Blanket Feature Selection with Non-faithful Data Distributions <b>2013,</b>		4
128	Community Influence Analysis Based on Social Network Structures <b>2015,</b>		4
127	Towards Mining Trapezoidal Data Streams <b>2015,</b>		4
126	TOP-10 DATA MINING CASE STUDIES. <i>International Journal of Information Technology and Decision Making</i> , <b>2012</b> , 11, 389-400	2.8	4
125	MINING APPROXIMATE REPEATING PATTERNS FROM SEQUENCE DATA WITH GAP CONSTRAINTS. <i>Computational Intelligence</i> , <b>2011</b> , 27, 336-362	2.5	4
124	Causal Discovery from Streaming Features <b>2010,</b>		4
123	Mining Frequent Patterns with Gaps and One-Off Condition <b>2009,</b>		4
122	Dynamic classifier selection for effective mining from noisy data streams		4
121	Multi-fuzzy-constrained graph pattern matching with big graph data. <i>Intelligent Data Analysis</i> , <b>2020</b> , 24, 941-958	1.1	4

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118	Automatic Knowledge Graph Construction: A Report on the 2019 ICDM/ICBK Contest <b>2019</b> ,		4
117	Supervised Data Synthesizing and Evolving DA Framework for Real-World Traffic Crash Severity Classification <b>2018</b> ,		4
116	A coarse-to-fine collective entity linking method for heterogeneous information networks. <i>Knowledge-Based Systems</i> , <b>2021</b> , 228, 107286	7.3	4
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109	Plant identification using triangular representation based on salient points and margin points <b>2015</b> ,		3
108	Extracting Web News Using Tag Path Patterns <b>2012</b> ,		3
107	Intrusion Detection Models Based on Data Mining. <i>International Journal of Computational Intelligence Systems</i> , <b>2012</b> , 5, 30-38	3.4	3
106	Keyphrase extraction based on semantic relatedness <b>2010</b> ,		3
105	Regional category parsing in undirected graphical models. <i>Pattern Recognition Letters</i> , <b>2009</b> , 30, 1264-1272	4.7	3
104	Explicit schematic information in knowledge representation and acquisition. <i>Expert Systems With Applications</i> , <b>1998</b> , 15, 215-221	7.8	3
103	Robust Application-Level QoS Management in Service-Oriented Systems <b>2008</b> ,		3

102	Real-Time Texture Synthesis Using s-Tile Set. <i>Journal of Computer Science and Technology</i> , <b>2007</b> , 22, 590-596	5.96	3
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99	Combining embedding-based and symbol-based methods for entity alignment. <i>Pattern Recognition</i> , <b>2021</b> , 108433	7.7	3
98	BPBM: An Algorithm for String Matching with Wildcards and Length Constraints. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 518-525	0.9	3
97	Rule Synthesizing from Multiple Related Databases. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 201-213	0.9	3
96	LDA-Based Topic Strength Analysis. <i>Computing and Informatics</i> , <b>2017</b> , 36, 1283-1311	2	3
95	A Framework for Subgraph Detection in Interdependent Networks via Graph Block-Structured Optimization. <i>IEEE Access</i> , <b>2020</b> , 8, 157800-157818	3.5	3
94	Online Learning from Data Streams with Varying Feature Spaces. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 3232-3239	5	3
93	Numerical sensitive data recognition based on hybrid gene expression programming for active distribution networks. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 91, 106213	7.5	3
92	Collective semantic behavior extraction in social networks. <i>Journal of Computational Science</i> , <b>2018</b> , 28, 236-244	3.4	3
91	Collaborative social deep learning for celebrity recommendation. <i>Intelligent Data Analysis</i> , <b>2018</b> , 22, 1375-1394	5.1	3
90	Knowledge Graph enhanced Neural Collaborative Filtering with Residual Recurrent Network. <i>Neurocomputing</i> , <b>2021</b> , 454, 417-429	5.4	3
89	Self-adaptive nonoverlapping sequential pattern mining. <i>Applied Intelligence</i> , 1	4.9	3
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87	Exploring anti-community structure in networks with application to incompatibility of traditional Chinese medicine. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2017</b> , 486, 31-43	3.3	2
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82	Adaptive Informative Sampling for Active Learning <b>2010</b> ,		2
81	Pattern Matching with Flexible Wildcards and Recurring Characters <b>2010</b> ,		2
80	A Nettee for Approximate Maximal Pattern Matching with Gaps and One-Off Constraint <b>2010</b> ,		2
79	Weighted Nonnegative Matrix Tri-Factorization for Co-clustering <b>2011</b> ,		2
78	Web News Extraction Based on Path Pattern Mining <b>2009</b> ,		2
77	Gene expression analyses using Genetic Algorithm based hybrid approaches <b>2008</b> ,		2
76	TKDE 20(12) (December 2008) EIC Editorial: State of the Transactions. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2008</b> , 20, 1585-1586	4.2	2
75	Mining Sequential Patterns across Time Sequences. <i>New Generation Computing</i> , <b>2007</b> , 26, 75-96	0.9	2
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68	A no self-edge stochastic block model and a heuristic algorithm for balanced anti-community detection in networks. <i>Information Sciences</i> , <b>2020</b> , 518, 95-112	7.7	2
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66	Suffix array for multi-pattern matching with variable length wildcards. <i>Intelligent Data Analysis</i> , <b>2021</b> , 25, 283-303	1.1	2
65	Block-Structured Optimization for Anomalous Pattern Detection in Interdependent Networks <b>2019</b> ,		2
64	Document Specific Supervised Keyphrase Extraction With Strong Semantic Relations. <i>IEEE Access</i> , <b>2019</b> , 7, 167507-167520	3.5	2
63	Multi-Label Truth Inference for Crowdsourcing Using Mixture Models. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 1-1	4.2	2
62	Unsupervised Statistical Text Simplification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 1802-1806	4.2	2
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59	Local Graph Edge Partitioning. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2021</b> , 12, 1-25	8	2
58	Deep Matrix Tri-Factorization: Mining Vertex-wise Interactions in Multi-Space Attributed Graphs <b>2020</b> , 334-342		1
57	DGDFS: Dependence Guided Discriminative Feature Selection for Predicting Adverse Drug-Drug Interaction. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	1
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53	Prediction of rice brown planthoppers based on system dynamics <b>2015</b> ,		1
52	Expanding dictionary for robust face recognition: pixel is not necessary while sparsity is. <i>IET Computer Vision</i> , <b>2015</b> , 9, 648-654	1.4	1
51	<b>2012</b> ,		1
50	A Twitter-based smoking cessation recruitment system <b>2013</b> ,		1
49	K-Means Clustering with Bagging and MapReduce <b>2011</b> ,		1

48	Error Detection and Uncertainty Modeling for Imprecise Data <b>2009</b> ,		1
47	Object-oriented modeling of multimedia documents. <i>Computer Networks</i> , <b>1998</b> , 30, 578-582		1
46			1
45	Iterative Refinement of Repeat Sequence Specification Using Constrained Pattern Matching <b>2007</b> ,		1
44	Sequential association mining for video summarization <b>2003</b> ,		1
43	Using knowledge anchors to reduce cognitive overhead. <i>Computer</i> , <b>2002</b> , 35, 111-112	1.6	1
42	NetDPO: (delta, gamma)-approximate pattern matching with gap constraints under one-off condition. <i>Applied Intelligence</i> ,1	4.9	1
41	A Dynamic Convolutional Neural Network Based Shared-Bike Demand Forecasting Model. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2021</b> , 12, 1-24	8	1
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38	Stacked Convolutional Sparse Auto-Encoders for Representation Learning. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2021</b> , 15, 1-21	4	1
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36	Knowledge Graph for China's Genealogy. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	1
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