

Wensheng Gan

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,260
citations

257101

24
h-index

233125

45
g-index

93
all docs

93
docs citations

93
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Utility-Oriented Pattern Mining. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1306-1327.	4.0	185
2	A Survey of Parallel Sequential Pattern Mining. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-34.	2.5	176
3	HUOPM: High-Utility Occupancy Pattern Mining. IEEE Transactions on Cybernetics, 2020, 50, 1195-1208.	6.2	115
4	A survey of incremental high-utility itemset mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1242.	4.6	110
5	Efficient algorithms for mining high-utility itemsets in uncertain databases. Knowledge-Based Systems, 2016, 96, 171-187.	4.0	103
6	Data mining in distributed environment: a survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1216.	4.6	91
7	Discovering high utility-occupancy patterns from uncertain data. Information Sciences, 2021, 546, 1208-1229.	4.0	87
8	FHN: An efficient algorithm for mining high-utility itemsets with negative unit profits. Knowledge-Based Systems, 2016, 111, 283-298.	4.0	73
9	Fast Utility Mining on Sequence Data. IEEE Transactions on Cybernetics, 2021, 51, 487-500.	6.2	66
10	ProUM: Projection-based utility mining on sequence data. Information Sciences, 2020, 513, 222-240.	4.0	65
11	Efficient algorithms for mining up-to-date high-utility patterns. Advanced Engineering Informatics, 2015, 29, 648-661.	4.0	64
12	FDHUP: Fast algorithm for mining discriminative high utility patterns. Knowledge and Information Systems, 2017, 51, 873-909.	2.1	59
13	Mining of frequent patterns with multiple minimum supports. Engineering Applications of Artificial Intelligence, 2017, 60, 83-96.	4.3	54
14	Extracting non-redundant correlated purchase behaviors by utility measure. Knowledge-Based Systems, 2018, 143, 30-41.	4.0	52
15	Weighted frequent itemset mining over uncertain databases. Applied Intelligence, 2016, 44, 232-250.	3.3	50
16	Efficient mining of high-utility itemsets using multiple minimum utility thresholds. Knowledge-Based Systems, 2016, 113, 100-115.	4.0	48
17	Privacy Preserving Utility Mining: A Survey. , 2018, , .		44
18	Fast algorithms for mining high-utility itemsets with various discount strategies. Advanced Engineering Informatics, 2016, 30, 109-126.	4.0	43

#	ARTICLE	IF	CITATIONS
19	Efficiently mining uncertain high-utility itemsets. <i>Soft Computing</i> , 2017, 21, 2801-2820.	2.1	43
20	RWFIM: Recent weighted-frequent itemsets mining. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 45, 18-32.	4.3	39
21	A secure blockchain-based group key agreement protocol for IoT. <i>Journal of Supercomputing</i> , 2021, 77, 9046-9068.	2.4	38
22	Correlated utility-based pattern mining. <i>Information Sciences</i> , 2019, 504, 470-486.	4.0	37
23	PSPF: An Open-Source Privacy-Preserving and Security Mining Framework. , 2018, , .		34
24	A fast updated algorithm to maintain the discovered high-utility itemsets for transaction modification. <i>Advanced Engineering Informatics</i> , 2015, 29, 562-574.	4.0	33
25	TKUS: Mining top-k high utility sequential patterns. <i>Information Sciences</i> , 2021, 570, 342-359.	4.0	31
26	An Incremental High-Utility Mining Algorithm with Transaction Insertion. <i>Scientific World Journal</i> , The, 2015, 2015, 1-15.	0.8	24
27	Utility-Driven Data Analytics on Uncertain Data. <i>IEEE Systems Journal</i> , 2020, 14, 4442-4453.	2.9	23
28	On the construction of a post-quantum blockchain for smart city. <i>Journal of Information Security and Applications</i> , 2021, 58, 102780.	1.8	23
29	Extracting recent weighted-based patterns from uncertain temporal databases. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 61, 161-172.	4.3	22
30	On-Shelf Utility Mining of Sequence Data. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2022, 16, 1-31.	2.5	22
31	Pattern Mining: Current Challenges and Opportunities. <i>Lecture Notes in Computer Science</i> , 2022, , 34-49.	1.0	20
32	FHUQI-Miner: Fast high utility quantitative itemset mining. <i>Applied Intelligence</i> , 2021, 51, 6785-6809.	3.3	19
33	Incrementally updating the discovered sequential patterns based on pre-large concept. <i>Intelligent Data Analysis</i> , 2015, 19, 1071-1089.	0.4	18
34	High utility-itemset mining and privacy-preserving utility mining. <i>Perspectives in Science</i> , 2016, 7, 74-80.	0.6	17
35	Utility Mining across Multi-Sequences with Individualized Thresholds. <i>ACM/IMS Transactions on Data Science</i> , 2020, 1, 1-29.	2.1	17
36	Explainable Fuzzy Utility Mining on Sequences. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 3620-3634.	6.5	16

#	ARTICLE	IF	CITATIONS
37	Maintaining the discovered sequential patterns for sequence insertion in dynamic databases. Engineering Applications of Artificial Intelligence, 2014, 35, 131-142.	4.3	15
38	More Efficient Algorithms for Mining High-Utility Itemsets with Multiple Minimum Utility Thresholds. Lecture Notes in Computer Science, 2016, , 71-87.	1.0	15
39	Exploiting highly qualified pattern with frequency and weight occupancy. Knowledge and Information Systems, 2018, 56, 165-196.	2.1	15
40	Utility Mining Across Multi-Dimensional Sequences. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-24.	2.5	15
41	Incrementally Updating High-Utility Itemsets with Transaction Insertion. Lecture Notes in Computer Science, 2014, , 44-56.	1.0	15
42	A fast maintenance algorithm of the discovered high-utility itemsets with transaction deletion. Intelligent Data Analysis, 2016, 20, 891-913.	0.4	14
43	Efficiently mining frequent itemsets with weight and recency constraints. Applied Intelligence, 2017, 47, 769-792.	3.3	13
44	Mining Weighted Frequent Itemsets without Candidate Generation in Uncertain Databases. International Journal of Information Technology and Decision Making, 2017, 16, 1549-1579.	2.3	13
45	Multiauthority Attribute-Based Encryption with Traceable and Dynamic Policy Updating. Security and Communication Networks, 2021, 2021, 1-13.	1.0	13
46	Efficiently Maintaining the Fast Updated Sequential Pattern Trees With Sequence Deletion. IEEE Access, 2014, 2, 1374-1383.	2.6	12
47	Mining High-Utility Itemsets with Both Positive and Negative Unit Profits from Uncertain Databases. Lecture Notes in Computer Science, 2017, , 434-446.	1.0	12
48	Utility-Driven Mining of Trend Information for Intelligent System. ACM Transactions on Management Information Systems, 2020, 11, 1-28.	2.1	11
49	Mining Recent High-Utility Patterns from Temporal Databases with Time-Sensitive Constraint. Lecture Notes in Computer Science, 2016, , 3-18.	1.0	9
50	FRI-miner: fuzzy rare itemset mining. Applied Intelligence, 2022, 52, 3387-3402.	3.3	9
51	Utility-Driven Mining of High Utility Episodes. , 2019, , .		8
52	ProUM: High Utility Sequential Pattern Mining. , 2019, , .		8
53	CoUPM: Correlated Utility-based Pattern Mining. , 2018, , .		7
54	Beyond Frequency. ACM Transactions on Internet Technology, 2021, 21, 1-32.	3.0	7

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55	On-shelf utility mining from transaction database. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 107, 104516.	4.3	7
56	Mining High-Utility Itemsets with Multiple Minimum Utility Thresholds. , 2008, , .		6
57	Mining high-utility itemsets with various discount strategies. , 2015, , .		6
58	Maintaining the discovered high-utility itemsets with transaction modification. <i>Applied Intelligence</i> , 2016, 44, 166-178.	3.3	6
59	Mining Discriminative High Utility Patterns. <i>Lecture Notes in Computer Science</i> , 2016, , 219-229.	1.0	6
60	Anomaly Rule Detection in Sequence Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2023, 35, 12095-12108.	4.0	5
61	OHUQI: Mining on-shelf high-utility quantitative itemsets. <i>Journal of Supercomputing</i> , 2022, 78, 8321-8345.	2.4	5
62	An efficient algorithm to maintain the discovered frequent sequences with record deletion. <i>Intelligent Data Analysis</i> , 2016, 20, 655-677.	0.4	4
63	Targeted High-Utility Itemset Querying. , 2021, , .		4
64	Multi-view knowledge graph fusion via knowledge-aware attentional graph neural network. <i>Applied Intelligence</i> , 2023, 53, 3652-3671.	3.3	4
65	Mining Weighted Frequent Itemsets with the Recency Constraint. <i>Lecture Notes in Computer Science</i> , 2015, , 635-646.	1.0	3
66	Cover Image, Volume 7, Issue 6. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2017, 7, e1234.	4.6	3
67	TopUMS: Top-k Utility Mining in Stream Data. , 2021, , .		3
68	Negative pattern discovery with individual support. <i>Knowledge-Based Systems</i> , 2022, 251, 109194.	4.0	3
69	Updating the Built Prelarge Fast Updated Sequential Pattern Trees with Sequence Modification. <i>International Journal of Data Warehousing and Mining</i> , 2015, 11, 1-22.	0.4	2
70	Efficiently Updating the Discovered Sequential Patterns for Sequence Modification. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2016, 26, 1285-1313.	0.6	2
71	Efficient algorithms for mining recent weighted frequent itemsets in temporal transactional databases. , 2016, , .		2
72	Exploiting High Utility Occupancy Patterns. <i>Lecture Notes in Computer Science</i> , 2017, , 239-247.	1.0	2

#	ARTICLE	IF	CITATIONS
73	Hewin: High expected weighted itemset mining in uncertain databases. , 2015, , .		1
74	Peer-to-peer usage analysis in dynamic databases. Peer-to-Peer Networking and Applications, 2015, 8, 851-862.	2.6	1
75	More Efficient Algorithm for Mining Frequent Patterns with Multiple Minimum Supports. Lecture Notes in Computer Science, 2016, , 3-16.	1.0	1
76	Updating high-utility pattern trees with transaction modification. Multimedia Tools and Applications, 2016, 75, 4887-4912.	2.6	1
77	Mining Recent High Expected Weighted Itemsets from Uncertain Databases. Lecture Notes in Computer Science, 2016, , 581-593.	1.0	1
78	Extracting Non-redundant Correlated Purchase Behaviors by Utility Measure. Lecture Notes in Computer Science, 2017, , 433-446.	1.0	1
79	Efficient Mining of Uncertain Data for High-Utility Itemsets. Lecture Notes in Computer Science, 2016, , 17-30.	1.0	1
80	Joint Utility and Frequency for Pattern Classification. , 2021, , .		1
81	CHUQI-Miner: Mining Correlated Quantitative High Utility Itemsets. , 2021, , .		1
82	Maintaining high-utility itemsets in dynamic databases. , 2014, , .		0
83	A Fast Algorithm to Maintain the Discovered High-Utility Itemsets with Modified Records. , 2015, , .		0
84	An Incremental Algorithm for Maintaining the Built FUSP Trees Based on the Pre-large Concepts. Advances in Intelligent Systems and Computing, 2014, , 135-144.	0.5	0
85	A Modified Maintenance Algorithm for Updating FUSP Tree in Dynamic Database. Lecture Notes in Computer Science, 2014, , 301-310.	1.0	0
86	UHUOPM: High Utility Occupancy Pattern Mining in Uncertain Data. , 2020, , .		0
87	Towards Revenue Maximization with Popular and Profitable Products. ACM/IMS Transactions on Data Science, 2021, 2, 1-21.	2.1	0
88	Mining On-shelf High-utility Quantitative Itemsets. , 2021, , .		0
89	NSPIS: Mining Negative Sequential Patterns with Individual Support. , 2021, , .		0
90	Smart System: Joint Utility and Frequency for Pattern Classification. ACM Transactions on Management Information Systems, 2022, 13, 1-24.	2.1	0