

Philippe Fournier-Viger

List of Publications by Year in descending order

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306
papers

8,030
citations

61857

43
h-index

76769

74
g-index

319
all docs

319
docs citations

319
times ranked

2415
citing authors

#	ARTICLE	IF	CITATIONS
1	The SPMF Open-Source Data Mining Library Version 2. Lecture Notes in Computer Science, 2016, , 36-40.	1.0	324
2	Binary dragonfly optimization for feature selection using time-varying transfer functions. Knowledge-Based Systems, 2018, 161, 185-204.	4.0	318
3	FHM: Faster High-Utility Itemset Mining Using Estimated Utility Co-occurrence Pruning. Lecture Notes in Computer Science, 2014, , 83-92.	1.0	263
4	Efficient Algorithms for Mining Top-K High Utility Itemsets. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 54-67.	4.0	200
5	A Survey of Utility-Oriented Pattern Mining. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1306-1327.	4.0	185
6	EFIM: a fast and memory efficient algorithm for high-utility itemset mining. Knowledge and Information Systems, 2017, 51, 595-625.	2.1	179
7	A Survey of Parallel Sequential Pattern Mining. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-34.	2.5	176
8	A survey of itemset mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1207.	4.6	163
9	Fast Vertical Mining of Sequential Patterns Using Co-occurrence Information. Lecture Notes in Computer Science, 2014, , 40-52.	1.0	149
10	Frequent itemset mining: A 25 years review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1329.	4.6	138
11	HUOPM: High-Utility Occupancy Pattern Mining. IEEE Transactions on Cybernetics, 2020, 50, 1195-1208.	6.2	115
12	A survey of incremental high-utility itemset mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1242.	4.6	110
13	Efficient algorithms for mining high-utility itemsets in uncertain databases. Knowledge-Based Systems, 2016, 96, 171-187.	4.0	103
14	CMRules: Mining sequential rules common to several sequences. Knowledge-Based Systems, 2012, 25, 63-76.	4.0	102
15	EFIM: A Highly Efficient Algorithm for High-Utility Itemset Mining. Lecture Notes in Computer Science, 2015, , 530-546.	1.0	101
16	Efficient Algorithms for Mining the Concise and Lossless Representation of High Utility Itemsets. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 726-739.	4.0	95
17	A binary PSO approach to mine high-utility itemsets. Soft Computing, 2017, 21, 5103-5121.	2.1	95
18	Mining high-utility itemsets based on particle swarm optimization. Engineering Applications of Artificial Intelligence, 2016, 55, 320-330.	4.3	93

#	ARTICLE	IF	CITATIONS
19	A sanitization approach for hiding sensitive itemsets based on particle swarm optimization. Engineering Applications of Artificial Intelligence, 2016, 53, 1-18.	4.3	87
20	An efficient algorithm to mine high average-utility itemsets. Advanced Engineering Informatics, 2016, 30, 233-243.	4.0	85
21	Mining of skyline patterns by considering both frequent and utility constraints. Engineering Applications of Artificial Intelligence, 2019, 77, 229-238.	4.3	83
22	An efficient algorithm for mining the top- k high utility itemsets, using novel threshold raising and pruning strategies. Knowledge-Based Systems, 2016, 104, 106-122.	4.0	77
23	FHN: An efficient algorithm for mining high-utility itemsets with negative unit profits. Knowledge-Based Systems, 2016, 111, 283-298.	4.0	73
24	Efficient high utility itemset mining using buffered utility-lists. Applied Intelligence, 2018, 48, 1859-1877.	3.3	73
25	Mining high-utility itemsets in dynamic profit databases. Knowledge-Based Systems, 2019, 175, 130-144.	4.0	69
26	RuleGrowth. , 2011, , .		67
27	Fast and effective cluster-based information retrieval using frequent closed itemsets. Information Sciences, 2018, 453, 154-167.	4.0	67
28	Fast Utility Mining on Sequence Data. IEEE Transactions on Cybernetics, 2021, 51, 487-500.	6.2	66
29	EHAUPM: Efficient High Average-Utility Pattern Mining With Tighter Upper Bounds. IEEE Access, 2017, 5, 12927-12940.	2.6	61
30	Using artificial intelligence techniques for COVID-19 genome analysis. Applied Intelligence, 2021, 51, 3086-3103.	3.3	61
31	Mining Partially-Ordered Sequential Rules Common to Multiple Sequences. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2203-2216.	4.0	60
32	Mining local and peak high utility itemsets. Information Sciences, 2019, 481, 344-367.	4.0	60
33	FDHUP: Fast algorithm for mining discriminative high utility patterns. Knowledge and Information Systems, 2017, 51, 873-909.	2.1	59
34	Fast algorithms for hiding sensitive high-utility itemsets in privacy-preserving utility mining. Engineering Applications of Artificial Intelligence, 2016, 55, 269-284.	4.3	58
35	A Survey of High Utility Itemset Mining. Studies in Big Data, 2019, , 1-45.	0.8	55
36	Mining of frequent patterns with multiple minimum supports. Engineering Applications of Artificial Intelligence, 2017, 60, 83-96.	4.3	54

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37	Efficient Vertical Mining of High Average-Utility Itemsets Based on Novel Upper-Bounds. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 301-314.	4.0	54
38	Extracting non-redundant correlated purchase behaviors by utility measure. Knowledge-Based Systems, 2018, 143, 30-41.	4.0	52
39	A predictive GA-based model for closed high-utility itemset mining. Applied Soft Computing Journal, 2021, 108, 107422.	4.1	52
40	Compact Prediction Tree: A Lossless Model for Accurate Sequence Prediction. Lecture Notes in Computer Science, 2013, , 177-188.	1.0	51
41	Weighted frequent itemset mining over uncertain databases. Applied Intelligence, 2016, 44, 232-250.	3.3	50
42	Mining Top-K Association Rules. Lecture Notes in Computer Science, 2012, , 61-73.	1.0	49
43	Efficient mining of high-utility itemsets using multiple minimum utility thresholds. Knowledge-Based Systems, 2016, 113, 100-115.	4.0	48
44	TKS: Efficient Mining of Top-K Sequential Patterns. Lecture Notes in Computer Science, 2013, , 109-120.	1.0	47
45	VMSP: Efficient Vertical Mining of Maximal Sequential Patterns. Lecture Notes in Computer Science, 2014, , 83-94.	1.0	46
46	CPT+: Decreasing the Time/Space Complexity of the Compact Prediction Tree. Lecture Notes in Computer Science, 2015, , 625-636.	1.0	46
47	FOSHU. , 2015, , .		45
48	Extracting useful knowledge from event logs: A frequent itemset mining approach. Knowledge-Based Systems, 2018, 139, 132-148.	4.0	45
49	Efficient algorithms to identify periodic patterns in multiple sequences. Information Sciences, 2019, 489, 205-226.	4.0	45
50	Hiding sensitive itemsets with multiple objective optimization. Soft Computing, 2019, 23, 12779-12797.	2.1	45
51	ERMiner: Sequential Rule Mining Using Equivalence Classes. Lecture Notes in Computer Science, 2014, , 108-119.	1.0	45
52	Fast algorithms for mining high-utility itemsets with various discount strategies. Advanced Engineering Informatics, 2016, 30, 109-126.	4.0	43
53	Efficiently mining uncertain high-utility itemsets. Soft Computing, 2017, 21, 2801-2820.	2.1	43
54	CLS-Miner: efficient and effective closed high-utility itemset mining. Frontiers of Computer Science, 2019, 13, 357-381.	1.6	43

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55	PHM: Mining Periodic High-Utility Itemsets. Lecture Notes in Computer Science, 2016, , 64-79.	1.0	43
56	Mining diversified association rules in big datasets: A cluster/GPU/genetic approach. Information Sciences, 2018, 459, 117-134.	4.0	42
57	An efficient algorithm for mining periodic high-utility sequential patterns. Applied Intelligence, 2018, 48, 4694-4714.	3.3	40
58	Efficient high average-utility itemset mining using novel vertical weak upper-bounds. Knowledge-Based Systems, 2019, 183, 104847.	4.0	40
59	A Sanitization Approach to Secure Shared Data in an IoT Environment. IEEE Access, 2019, 7, 25359-25368.	2.6	40
60	RWFIM: Recent weighted-frequent itemsets mining. Engineering Applications of Artificial Intelligence, 2015, 45, 18-32.	4.3	39
61	A fast Algorithm for mining fuzzy frequent itemsets. Journal of Intelligent and Fuzzy Systems, 2015, 29, 2373-2379.	0.8	38
62	Novel Concise Representations of High Utility Itemsets Using Generator Patterns. Lecture Notes in Computer Science, 2014, , 30-43.	1.0	38
63	Efficient Mining of High-Utility Sequential Rules. Lecture Notes in Computer Science, 2015, , 157-171.	1.0	38
64	EFIM-Closed: Fast and Memory Efficient Discovery of Closed High-Utility Itemsets. Lecture Notes in Computer Science, 2016, , 199-213.	1.0	37
65	A Survey of High Utility Sequential Pattern Mining. Studies in Big Data, 2019, , 97-129.	0.8	37
66	Mining closed+ high utility itemsets without candidate generation. , 2015, , .		36
67	A fast algorithm for mining high average-utility itemsets. Applied Intelligence, 2017, 47, 331-346.	3.3	36
68	TUB-HAUPM: Tighter Upper Bound for Mining High Average-Utility Patterns. IEEE Access, 2018, 6, 18655-18669.	2.6	34
69	PPSF: An Open-Source Privacy-Preserving and Security Mining Framework. , 2018, , .		34
70	Exploiting GPU parallelism in improving bees swarm optimization for mining big transactional databases. Information Sciences, 2019, 496, 326-342.	4.0	34
71	Mining cost-effective patterns in event logs. Knowledge-Based Systems, 2020, 191, 105241.	4.0	34
72	MEMU: More Efficient Algorithm to Mine High Average-Utility Patterns With Multiple Minimum Average-Utility Thresholds. IEEE Access, 2018, 6, 7593-7609.	2.6	33

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73	A two-phase approach to mine short-period high-utility itemsets in transactional databases. <i>Advanced Engineering Informatics</i> , 2017, 33, 29-43.	4.0	32
74	Using Partially-Ordered Sequential Rules to Generate More Accurate Sequence Prediction. <i>Lecture Notes in Computer Science</i> , 2012, , 431-442.	1.0	32
75	Building Intelligent Tutoring Systems for Ill-Defined Domains. <i>Studies in Computational Intelligence</i> , 2010, , 81-101.	0.7	31
76	A Knowledge Discovery Framework for Learning Task Models from User Interactions in Intelligent Tutoring Systems. <i>Lecture Notes in Computer Science</i> , 2008, , 765-778.	1.0	31
77	FCloSM, FGenSM: two efficient algorithms for mining frequent closed and generator sequences using the local pruning strategy. <i>Knowledge and Information Systems</i> , 2017, 53, 71-107.	2.1	30
78	Efficient Mining of a Concise and Lossless Representation of High Utility Itemsets. , 2011, , .		29
79	An efficient algorithm for mining top-k on-shelf high utility itemsets. <i>Knowledge and Information Systems</i> , 2017, 52, 621-655.	2.1	29
80	A guided FP-Growth algorithm for mining multitude-targeted item-sets and class association rules in imbalanced data. <i>Information Sciences</i> , 2021, 553, 353-375.	4.0	29
81	VGEN: Fast Vertical Mining of Sequential Generator Patterns. <i>Lecture Notes in Computer Science</i> , 2014, , 476-488.	1.0	28
82	Mining of high utility-probability sequential patterns from uncertain databases. <i>PLoS ONE</i> , 2017, 12, e0180931.	1.1	28
83	Mining local periodic patterns in a discrete sequence. <i>Information Sciences</i> , 2021, 544, 519-548.	4.0	28
84	Mining Maximal Sequential Patterns without Candidate Maintenance. <i>Lecture Notes in Computer Science</i> , 2013, , 169-180.	1.0	28
85	An efficient algorithm for mining top-rank-k frequent patterns. <i>Applied Intelligence</i> , 2016, 45, 96-111.	3.3	27
86	Mining Top-K Sequential Rules. <i>Lecture Notes in Computer Science</i> , 2011, , 180-194.	1.0	27
87	Discovering Stable Periodic-Frequent Patterns in Transactional Data. <i>Lecture Notes in Computer Science</i> , 2019, , 230-244.	1.0	26
88	FMaxCloHUSM: An efficient algorithm for mining frequent closed and maximal high utility sequences. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 85, 1-20.	4.3	26
89	A Multi-Core Approach to Efficiently Mining High-Utility Itemsets in Dynamic Profit Databases. <i>IEEE Access</i> , 2020, 8, 85890-85899.	2.6	26
90	Mining correlated high-utility itemsets using various measures. <i>Logic Journal of the IGPL</i> , 2020, 28, 19-32.	1.3	26

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91	One scan based high average-utility pattern mining in static and dynamic databases. Future Generation Computer Systems, 2020, 111, 143-158.	4.9	26
92	Mining Correlated High-Utility Itemsets Using the Bond Measure. Lecture Notes in Computer Science, 2016, , 53-65.	1.0	26
93	FHN: Efficient Mining of High-Utility Itemsets with Negative Unit Profits. Lecture Notes in Computer Science, 2014, , 16-29.	1.0	25
94	Mining Top-K Non-redundant Association Rules. Lecture Notes in Computer Science, 2012, , 31-40.	1.0	25
95	High average-utility sequential pattern mining based on uncertain databases. Knowledge and Information Systems, 2020, 62, 1199-1228.	2.1	24
96	Efficient Chain Structure for High-Utility Sequential Pattern Mining. IEEE Access, 2020, 8, 40714-40722.	2.6	24
97	Hiding sensitive information in eHealth datasets. Future Generation Computer Systems, 2021, 117, 169-180.	4.9	24
98	FHM \$\$\$: Faster High-Utility Itemset Mining Using Length Upper-Bound Reduction. Lecture Notes in Computer Science, 2016, , 115-127.	1.0	24
99	An efficient algorithm for Hiding High Utility Sequential Patterns. International Journal of Approximate Reasoning, 2018, 95, 77-92.	1.9	23
100	Analysis of public reactions to the novel Coronavirus (COVID-19) outbreak on Twitter. Kybernetes, 2021, 50, 1633-1653.	1.2	23
101	HUE-Span: Fast High Utility Episode Mining. Lecture Notes in Computer Science, 2019, , 169-184.	1.0	23
102	Efficient hiding of confidential high-utility itemsets with minimal side effects. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 1225-1245.	1.8	22
103	Extracting recent weighted-based patterns from uncertain temporal databases. Engineering Applications of Artificial Intelligence, 2017, 61, 161-172.	4.3	22
104	TSPIN: mining top-k stable periodic patterns. Applied Intelligence, 2022, 52, 6917-6938.	3.3	22
105	HANP-Miner: High average utility nonoverlapping sequential pattern mining. Knowledge-Based Systems, 2021, 229, 107361.	4.0	22
106	TKE: Mining Top-K Frequent Episodes. Lecture Notes in Computer Science, 2020, , 832-845.	1.0	22
107	Mining Sequential Rules Common to Several Sequences with the Window Size Constraint. Lecture Notes in Computer Science, 2012, , 299-304.	1.0	21
108	MEIT: Memory Efficient Itemset Tree for Targeted Association Rule Mining. Lecture Notes in Computer Science, 2013, , 95-106.	1.0	21

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109	Inferring social network user profiles using a partial social graph. <i>Journal of Intelligent Information Systems</i> , 2016, 47, 313-344.	2.8	20
110	Analyzing students' attention in class using wearable devices. , 2017, , .		20
111	PFP: Discovering Periodic Frequent Patterns with Novel Periodicity Measures. , 0, , .		20
112	Damped sliding based utility oriented pattern mining over stream data. <i>Knowledge-Based Systems</i> , 2021, 213, 106653.	4.0	20
113	Efficient algorithms for mining frequent high utility sequences with constraints. <i>Information Sciences</i> , 2021, 568, 239-264.	4.0	20
114	TKG: Efficient Mining of Top-K Frequent Subgraphs. <i>Lecture Notes in Computer Science</i> , 2019, , 209-226.	1.0	20
115	Pattern Mining: Current Challenges and Opportunities. <i>Lecture Notes in Computer Science</i> , 2022, , 34-49.	1.0	20
116	Efficiently mining of skyline frequent-utility patterns. <i>Intelligent Data Analysis</i> , 2017, 21, 1407-1423.	0.4	19
117	A new framework for metaheuristic-based frequent itemset mining. <i>Applied Intelligence</i> , 2018, 48, 4775-4791.	3.3	19
118	Maintenance algorithm for high average-utility itemsets with transaction deletion. <i>Applied Intelligence</i> , 2018, 48, 3691-3706.	3.3	19
119	EHAUSM: An efficient algorithm for high average utility sequence mining. <i>Information Sciences</i> , 2020, 515, 302-323.	4.0	19
120	FHUQI-Miner: Fast high utility quantitative itemset mining. <i>Applied Intelligence</i> , 2021, 51, 6785-6809.	3.3	19
121	Discovering Periodic Patterns in Non-uniform Temporal Databases. <i>Lecture Notes in Computer Science</i> , 2017, , 604-617.	1.0	18
122	Maintenance of Discovered High Average-Utility Itemsets in Dynamic Databases. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 769.	1.3	18
123	Mining significant trend sequences in dynamic attributed graphs. <i>Knowledge-Based Systems</i> , 2019, 182, 104797.	4.0	18
124	Mining high utility itemsets using extended chain structure and utility machine. <i>Knowledge-Based Systems</i> , 2020, 208, 106457.	4.0	18
125	A survey of pattern mining in dynamic graphs. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020, 10, e1372.	4.6	18
126	The density-based clustering method for privacy-preserving data mining. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 1718-1728.	1.0	18

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127	Authorship Attribution using Variable Length Part-of-Speech Patterns. , 2016, , .		18
128	Evaluating Spatial Representations and Skills in a Simulator-Based Tutoring System. IEEE Transactions on Learning Technologies, 2008, 1, 63-74.	2.2	17
129	Learning task models in ill-defined domain using an hybrid knowledge discovery framework. Knowledge-Based Systems, 2011, 24, 176-185.	4.0	17
130	A multiparadigm intelligent tutoring system for robotic arm training. IEEE Transactions on Learning Technologies, 2013, 6, 364-377.	2.2	17
131	TNS. , 2013, , .		17
132	Inferring User Profiles in Online Social Networks Using a Partial Social Graph. Lecture Notes in Computer Science, 2015, , 84-99.	1.0	17
133	Mining Minimal High-Utility Itemsets. Lecture Notes in Computer Science, 2016, , 88-101.	1.0	17
134	High utility-itemset mining and privacy-preserving utility mining. Perspectives in Science, 2016, 7, 74-80.	0.6	17
135	TWINCLE : A Constrained Sequential Rule Mining Algorithm for Event Logs. Procedia Computer Science, 2017, 112, 205-214.	1.2	17
136	Efficient Algorithms for High Utility Itemset Mining Without Candidate Generation. Studies in Big Data, 2019, , 131-160.	0.8	17
137	SPPC: a new tree structure for mining erasable patterns in data streams. Applied Intelligence, 2019, 49, 478-495.	3.3	17
138	PCPD: A Parallel Crime Pattern Discovery System for Large-Scale Spatiotemporal Data Based on Fuzzy Clustering. International Journal of Fuzzy Systems, 2019, 21, 1961-1974.	2.3	16
139	Discovering rare correlated periodic patterns in multiple sequences. Data and Knowledge Engineering, 2020, 126, 101733.	2.1	16
140	NTP-Miner: Nonoverlapping Three-Way Sequential Pattern Mining. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-21.	2.5	16
141	Mining High Utility Itemsets with Hill Climbing and Simulated Annealing. ACM Transactions on Management Information Systems, 2022, 13, 1-22.	2.1	16
142	More Efficient Algorithms for Mining High-Utility Itemsets with Multiple Minimum Utility Thresholds. Lecture Notes in Computer Science, 2016, , 71-87.	1.0	15
143	Exploiting highly qualified pattern with frequency and weight occupancy. Knowledge and Information Systems, 2018, 56, 165-196.	2.1	15
144	Fast Top-K association rule mining using rule generation property pruning. Applied Intelligence, 2021, 51, 2077-2093.	3.3	15

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145	Utility Mining Across Multi-Dimensional Sequences. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-24.	2.5	15
146	Efficient Incremental High Utility Itemset Mining. , 2015, , .		15
147	High-Utility Sequential Pattern Mining with Multiple Minimum Utility Thresholds. Lecture Notes in Computer Science, 2017, , 215-229.	1.0	14
148	Efficiently updating the discovered high average-utility itemsets with transaction insertion. Engineering Applications of Artificial Intelligence, 2018, 72, 136-149.	4.3	14
149	Mining Compact High Utility Itemsets Without Candidate Generation. Studies in Big Data, 2019, , 279-302.	0.8	14
150	An efficient parallel algorithm for mining weighted clickstream patterns. Information Sciences, 2022, 582, 349-368.	4.0	14
151	MalSPM: Metamorphic malware behavior analysis and classification using sequential pattern mining. Computers and Security, 2022, 118, 102741.	4.0	14
152	Efficiently mining frequent itemsets with weight and recency constraints. Applied Intelligence, 2017, 47, 769-792.	3.3	13
153	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
154	Efficient Mining of Multiple Fuzzy Frequent Itemsets. International Journal of Fuzzy Systems, 2017, 19, 1032-1040.	2.3	13
155	Efficiently Updating the Discovered Multiple Fuzzy Frequent Itemsets with Transaction Insertion. International Journal of Fuzzy Systems, 2018, 20, 2440-2457.	2.3	13
156	Efficient Mining of High Average-Utility Itemsets with Multiple Minimum Thresholds. Lecture Notes in Computer Science, 2016, , 14-28.	1.0	13
157	PTA: An Efficient System for Transaction Database Anonymization. IEEE Access, 2016, 4, 6467-6479.	2.6	12
158	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
159	Discovering Spatial High Utility Itemsets in Spatiotemporal Databases. , 2019, , .		12
160	BILU-NEMH: A BILU neural-encoded mention hypergraph for mention extraction. Information Sciences, 2019, 496, 53-64.	4.0	12
161	Mining Cross-Level High Utility Itemsets. Lecture Notes in Computer Science, 2020, , 858-871.	1.0	12
162	TKC: Mining Top-K Cross-Level High Utility Itemsets. , 2020, , .		12

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163	NWP-Miner: Nonoverlapping weak-gap sequential pattern mining. Information Sciences, 2022, 588, 124-141.	4.0	12
164	UBP-Miner: An efficient bit based high utility itemset mining algorithm. Knowledge-Based Systems, 2022, 248, 108865.	4.0	12
165	A Swarm-Based Approach to Mine High-Utility Itemsets. Communications in Computer and Information Science, 2015, , 572-581.	0.4	11
166	FRIOD: A Deeply Integrated Feature-Rich Interactive System for Effective and Efficient Outlier Detection. IEEE Access, 2017, 5, 25682-25695.	2.6	11
167	Efficiently mining frequent itemsets applied for textual aggregation. Applied Intelligence, 2018, 48, 1013-1019.	3.3	11
168	Efficiently Finding High Utility-Frequent Itemsets Using Cutoff and Suffix Utility. Lecture Notes in Computer Science, 2019, , 191-203.	1.0	11
169	Utility-Driven Mining of Trend Information for Intelligent System. ACM Transactions on Management Information Systems, 2020, 11, 1-28.	2.1	11
170	A computational model for causal learning in cognitive agents. Knowledge-Based Systems, 2012, 30, 48-56.	4.0	10
171	Average utility driven data analytics on damped windows for intelligent systems with data streams. International Journal of Intelligent Systems, 2021, 36, 5741-5769.	3.3	10
172	Self-adaptive nonoverlapping sequential pattern mining. Applied Intelligence, 2022, 52, 6646-6661.	3.3	10
173	Mining Recent High-Utility Patterns from Temporal Databases with Time-Sensitive Constraint. Lecture Notes in Computer Science, 2016, , 3-18.	1.0	9
174	Chemical reaction optimization with unified tabu search for the vehicle routing problem. Soft Computing, 2017, 21, 6421-6433.	2.1	9
175	ETARM: an efficient top-k association rule mining algorithm. Applied Intelligence, 2017, 48, 1148.	3.3	9
176	High utility drift detection in quantitative data streams. Knowledge-Based Systems, 2018, 157, 34-51.	4.0	9
177	Bee swarm optimization for solving the MAXSAT problem using prior knowledge. Soft Computing, 2019, 23, 3095-3112.	2.1	9
178	Mining Partially-Ordered Episode Rules in an Event Sequence. Lecture Notes in Computer Science, 2021, , 3-15.	1.0	9
179	Proof Guidance in PVS with Sequential Pattern Mining. Lecture Notes in Computer Science, 2019, , 45-60.	1.0	9
180	How emotional mechanism helps episodic learning in a cognitive agent. , 2009, , .		8

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181	Human-like learning in a conscious agent. Journal of Experimental and Theoretical Artificial Intelligence, 2011, 23, 497-528.	1.8	8
182	GPU-based swarm intelligence for Association Rule Mining in big databases. Intelligent Data Analysis, 2019, 23, 57-76.	0.4	8
183	Mining Skyline Frequent-Utility Itemsets with Utility Filtering. Lecture Notes in Computer Science, 2021, , 411-424.	1.0	8
184	AM-ConvGRU: a spatio-temporal model for typhoon path prediction. Neural Computing and Applications, 2022, 34, 5905-5921.	3.2	8
185	A novel dependency-oriented mixed-attribute data classification method. Expert Systems With Applications, 2022, 199, 116782.	4.4	8
186	A Metaheuristic Algorithm for Hiding Sensitive Itemsets. Lecture Notes in Computer Science, 2018, , 492-498.	1.0	7
187	Beyond Frequency. ACM Transactions on Internet Technology, 2021, 21, 1-32.	3.0	7
188	An Adaptive Questionnaire for Automatic Identification of Learning Styles. Lecture Notes in Computer Science, 2014, , 399-409.	1.0	7
189	CELTs: A Cognitive Tutoring Agent with Human-Like Learning Capabilities and Emotions. Smart Innovation, Systems and Technologies, 2013, , 339-365.	0.5	7
190	Discovering Frequent Spatial Patterns in Very Large Spatiotemporal Databases. , 2020, , .		7
191	Mining sequential patterns with flexible constraints from MOOC data. Applied Intelligence, 2022, 52, 16458-16474.	3.3	7
192	Mining High-Utility Itemsets with Multiple Minimum Utility Thresholds. , 2008, , .		6
193	Mining high-utility itemsets with various discount strategies. , 2015, , .		6
194	Using Diagnostic Analysis to Discover Offensive Patterns in a Football Game. Springer Proceedings in Business and Economics, 2018, , 381-386.	0.3	6
195	A Survey of Privacy Preserving Utility Mining. Studies in Big Data, 2019, , 207-232.	0.8	6
196	Mining High-Utility Sequential Patterns from Big Datasets. , 2019, , .		6
197	Uncertainty-Based Pattern Mining for Maximizing Profit of Manufacturing Plants With List Structure. IEEE Transactions on Industrial Electronics, 2020, 67, 9914-9926.	5.2	6
198	An evolutionary/heuristic-based proof searching framework for interactive theorem prover. Applied Soft Computing Journal, 2021, 104, 107200.	4.1	6

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199	Frequent high minimum average utility sequence mining with constraints in dynamic databases using efficient pruning strategies. <i>Applied Intelligence</i> , 2022, 52, 6106-6128.	3.3	6
200	Mining Attribute Evolution Rules in Dynamic Attributed Graphs. <i>Lecture Notes in Computer Science</i> , 2020, , 167-182.	1.0	6
201	A Generic Episodic Learning Model Implemented in a Cognitive Agent by Means of Temporal Pattern Mining. <i>Lecture Notes in Computer Science</i> , 2009, , 545-555.	1.0	6
202	Mining Discriminative High Utility Patterns. <i>Lecture Notes in Computer Science</i> , 2016, , 219-229.	1.0	6
203	MyRoute: A Graph-Dependency Based Model for Real-Time Route Prediction. <i>Journal of Communications</i> , 2017, , 668-676.	1.3	6
204	Mining high occupancy patterns to analyze incremental data in intelligent systems. <i>ISA Transactions</i> , 2022, 131, 460-475.	3.1	6
205	Improving the Behavior of Intelligent Tutoring Agents with Data Mining. <i>IEEE Intelligent Systems</i> , 2009, 24, 46-53.	4.0	5
206	UP-Miner: A Utility Pattern Mining Toolbox. , 2015, , .		5
207	Fast algorithms for mining multiple fuzzy frequent itemsets. , 2016, , .		5
208	GBSO-RSS: GPU-Based BSO for Rules Space Summarization. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 123-129.	0.5	5
209	A GA-based Framework for Mining High Fuzzy Utility Itemsets. , 2019, , .		5
210	An Efficient Chain Structure to Mine High-Utility Sequential Patterns. , 2019, , .		5
211	NextRoute: a lossless model for accurate mobility prediction. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 2661-2681.	3.3	5
212	Extracting User-Centric Knowledge on Two Different Spaces: Concepts and Records. <i>IEEE Access</i> , 2020, 8, 134782-134799.	2.6	5
213	IEEE Access Special Section Editorial: Utility-Pattern Mining: Theoretical Analytics and Applications. <i>IEEE Access</i> , 2021, 9, 16604-16607.	2.6	5
214	An Evolutionary Algorithm to Mine High-Utility Itemsets. <i>Advances in Electrical and Electronic Engineering</i> , 2015, 13, .	0.2	5
215	Efficient closed high-utility itemset mining. , 2016, , .		4
216	Anonymization of Multiple and Personalized Sensitive Attributes. <i>Lecture Notes in Computer Science</i> , 2018, , 204-215.	1.0	4

#	ARTICLE	IF	CITATIONS
217	Mining Local High Utility Itemsets. Lecture Notes in Computer Science, 2018, , 450-460.	1.0	4
218	Metaheuristics for Frequent and High-Utility Itemset Mining. Studies in Big Data, 2019, , 261-278.	0.8	4
219	Efficient Mining of High Average-Utility Sequential Patterns from Uncertain Databases. , 2019, , .		4
220	Proof Learning in PVS With Utility Pattern Mining. IEEE Access, 2020, 8, 119806-119818.	2.6	4
221	Mining Partially-Ordered Episode Rules with the Head Support. Lecture Notes in Computer Science, 2021, , 266-271.	1.0	4
222	Investigating Crossover Operators in Genetic Algorithms for High-Utility Itemset Mining. Lecture Notes in Computer Science, 2021, , 16-28.	1.0	4
223	Problem-Solving Knowledge Mining from Users' Actions in an Intelligent Tutoring System. Lecture Notes in Computer Science, 2007, , 393-404.	1.0	4
224	Efficient Mining of Fuzzy Frequent Itemsets with Type-2 Membership Functions. Lecture Notes in Computer Science, 2016, , 191-200.	1.0	4
225	Proof searching in HOL4 with genetic algorithm. , 2020, , .		4
226	Discovering Periodic Itemsets Using Novel Periodicity Measures. Advances in Electrical and Electronic Engineering, 2019, 17, .	0.2	4
227	ITS in Ill-Defined Domains: Toward Hybrid Approaches. Lecture Notes in Computer Science, 2010, , 318-320.	1.0	4
228	Succinct BWT-Based Sequence Prediction. Lecture Notes in Computer Science, 2019, , 91-101.	1.0	4
229	DOKGETT - an authoring tool for cognitive model-based generation of the knowledge. , 2005, , .		3
230	Mining Weighted Frequent Itemsets with the Recency Constraint. Lecture Notes in Computer Science, 2015, , 635-646.	1.0	3
231	Employing the neural networks to parametrically assess the quality of a voice call. , 2016, , .		3
232	A Sanitization Approach of Privacy Preserving Utility Mining. Advances in Intelligent Systems and Computing, 2016, , 47-57.	0.5	3
233	A More Efficient Algorithm to Mine Skyline Frequent-Utility Patterns. Advances in Intelligent Systems and Computing, 2017, , 127-135.	0.5	3
234	Energy-Efficient Partitioning Clustering Algorithm for Wireless Sensor Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 14-23.	0.2	3

#	ARTICLE	IF	CITATIONS
235	Proof searching and prediction in HOL4 with evolutionary/heuristic and deep learning techniques. Applied Intelligence, 2021, 51, 1580-1601.	3.3	3
236	Discovering Alarm Correlation Rules for Network Fault Management. Lecture Notes in Computer Science, 2021, , 228-239.	1.0	3
237	Parallel grid-based density peak clustering of big trajectory data. Applied Intelligence, 2022, 52, 17042-17057.	3.3	3
238	How to Apply Gamification Techniques to Design a Gaming Environment for Algebra Concepts. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 62-70.	0.2	3
239	Updating the Discovered High Average-Utility Patterns with Transaction Insertion. Advances in Intelligent Systems and Computing, 2018, , 66-73.	0.5	3
240	Recalling Recollections according to Temporal Contexts Applying a Novel Cognitive Knowledge Representation Approach. , 2006, , .		2
241	Efficient mining of short periodic high-utility itemsets. , 2016, , .		2
242	Efficiently Updating the Discovered Sequential Patterns for Sequence Modification. International Journal of Software Engineering and Knowledge Engineering, 2016, 26, 1285-1313.	0.6	2
243	Efficient algorithms for mining recent weighted frequent itemsets in temporal transactional databases. , 2016, , .		2
244	Exploiting High Utility Occupancy Patterns. Lecture Notes in Computer Science, 2017, , 239-247.	1.0	2
245	New Tighter Upper Bounds for Mining High Average-Utility Itemsets. , 2018, , .		2
246	A Parallel Crime Activity Clustering Algorithm Based on Apache Spark Cloud Computing Platform. , 2019, , .		2
247	Football Pass Prediction Using Player Locations. Lecture Notes in Computer Science, 2019, , 152-158.	1.0	2
248	Mining Productive Itemsets in Dynamic Databases. IEEE Access, 2020, 8, 140122-140144.	2.6	2
249	A new perceptual evaluation method of video quality based on neural network. Intelligent Data Analysis, 2021, 25, 571-587.	0.4	2
250	Mining interesting sequences with low average cost and high average utility. Applied Intelligence, 2022, 52, 7136-7157.	3.3	2
251	A Transaction Classification Model of Federated Learning. Lecture Notes in Computer Science, 2021, , 509-518.	1.0	2
252	An Hybrid Expert Model to Support Tutoring Services in Robotic Arm Manipulations. Lecture Notes in Computer Science, 2011, , 478-489.	1.0	2

#	ARTICLE	IF	CITATIONS
253	Interactive Discovery of Statistically Significant Itemsets. Lecture Notes in Computer Science, 2018, , 101-113.	1.0	2
254	Discovering Periodic High Utility Itemsets in a Discrete Sequence. , 2021, , 133-151.		2
255	Mining Locally Trending High Utility Itemsets. Lecture Notes in Computer Science, 2020, , 99-111.	1.0	2
256	H-FHAUI: Hiding Frequent High Average Utility Itemsets. Information Sciences, 2022, , .	4.0	2
257	Combining the Learning Objects Paradigm with Cognitive Modelling Theories - A Novel Approach for Knowledge Engineering. , 0, , .		1
258	Automatic Evaluation of Spatial Representations for Complex Robotic Arms Manipulations. , 2007, , .		1
259	Assessing Procedural Knowledge in Free-Text Answers through a Hybrid Semantic Web Approach. , 2013, , .		1
260	A Swarm-Based Sanitization Approach for Hiding Confidential Itemsets. , 2015, , .		1
261	More Efficient Algorithm for Mining Frequent Patterns with Multiple Minimum Supports. Lecture Notes in Computer Science, 2016, , 3-16.	1.0	1
262	Mining of High Average-Utility Itemsets with a Tighter Upper-Bound Model. , 2017, , .		1
263	More Efficient Algorithm to Mine High Average-Utility Patterns. Smart Innovation, Systems and Technologies, 2017, , 101-110.	0.5	1
264	Radio Data Transmission Reduction in Power-Constrained WSN. , 2018, , .		1
265	LocRec: Rule-Based Successive Location Recommendation in LBSN. , 2018, , .		1
266	A Novel Parallel Framework for Metaheuristic-based Frequent Itemset Mining. , 2019, , .		1
267	A Swarm-based Data Sanitization Algorithm in Privacy-Preserving Data Mining. , 2019, , .		1
268	Discovering Periodic Patterns in Irregular Time Series. , 2019, , .		1
269	A Survey of Machine Learning for Network Fault Management. , 2021, , 1-27.		1
270	Proof Searching in PVS Theorem Prover Using Simulated Annealing. Lecture Notes in Computer Science, 2021, , 253-262.	1.0	1

#	ARTICLE	IF	CITATIONS
271	Mining Profitable and Concise Patterns in Large-Scale Internet of Things Environments. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-12.	0.8	1
272	An Explicit Relationship Between Sequential Patterns and Their Concise Representations. <i>Lecture Notes in Computer Science</i> , 2019, , 341-361.	1.0	1
273	Maintenance of Prelarge High Average-Utility Patterns in Incremental Databases. <i>Lecture Notes in Computer Science</i> , 2020, , 884-895.	1.0	1
274	Mining Recent High Expected Weighted Itemsets from Uncertain Databases. <i>Lecture Notes in Computer Science</i> , 2016, , 581-593.	1.0	1
275	Extracting Non-redundant Correlated Purchase Behaviors by Utility Measure. <i>Lecture Notes in Computer Science</i> , 2017, , 433-446.	1.0	1
276	From Black-Box Learning Objects to Glass-Box Learning Objects. <i>Lecture Notes in Computer Science</i> , 2006, , 258-267.	1.0	1
277	A Cognitive Tutoring Agent with Episodic and Causal Learning Capabilities. <i>Lecture Notes in Computer Science</i> , 2011, , 72-80.	1.0	1
278	More Accurate Inference of User Profiles in Online Social Networks. <i>Lecture Notes in Computer Science</i> , 2015, , 533-546.	1.0	1
279	Efficient Mining of Uncertain Data for High-Utility Itemsets. <i>Lecture Notes in Computer Science</i> , 2016, , 17-30.	1.0	1
280	Discovering Strong Meta Association Rules Using Bees Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2018, , 195-206.	1.0	1
281	Privacy Preservation of Periodic Frequent Patterns Using Sensitive Inverse Frequency. , 2021, , 215-227.		1
282	Finding Periodic Patterns in Multiple Sequences. , 2021, , 81-103.		1
283	Stable High Utility Itemset Mining. , 2021, , .		1
284	Privacy-Preserving Periodic Frequent Pattern Model in AIoT Applications. , 2021, , .		1
285	HSNP-Miner: High Utility Self-Adaptive Nonoverlapping Pattern Mining. , 2021, , .		1
286	CHUQI-Miner: Mining Correlated Quantitative High Utility Itemsets. , 2021, , .		1
287	Discovering Relative High Utility Itemsets in Very Large Transactional Databases Using Null-Invariant Measure. , 2021, , .		1
288	Wireless Network Slice Assignment With Incremental Random Vector Functional Link Network. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 1283-1296.	4.1	1

#	ARTICLE	IF	CITATIONS
289	An Efficient Anonymous System for Transaction Data. , 2016, , .		0
290	Concept Drift Detector Selection for Hoeffding Adaptive Trees. Lecture Notes in Computer Science, 2018, , 730-736.	1.0	0
291	A Project-based PMiner Algorithm in Uncertain Databases. , 2019, , .		0
292	Mining High Utility Itemsets from Multiple Databases. Smart Innovation, Systems and Technologies, 2019, , 139-146.	0.5	0
293	Enhancing link prediction in dynamic networks using content aggregation. Cluster Computing, 2021, 24, 3055-3063.	3.5	0
294	Analytics of Multiple-Threshold Model for High Average-Utilization Patterns in Smart City Environments. Advanced Sciences and Technologies for Security Applications, 2021, , 1-22.	0.4	0
295	Building Agents That Learn by Observing Other Agents Performing a Task: A Sequential Pattern Mining Approach. Studies in Computational Intelligence, 2009, , 279-284.	0.7	0
296	Mining Temporal Patterns to Improve Agents Behavior: Two Case Studies. , 2009, , 77-92.		0
297	Implementing an Efficient Causal Learning Mechanism in a Cognitive Tutoring Agent. Lecture Notes in Computer Science, 2011, , 27-36.	1.0	0
298	Multi-paradigm Generation of Tutoring Feedback in Robotic Arm Manipulation Training. Lecture Notes in Computer Science, 2012, , 233-242.	1.0	0
299	Using Frequent Fixed or Variable-Length POS Ngrams or Skip-Grams for Blog Authorship Attribution. IFIP Advances in Information and Communication Technology, 2016, , 63-74.	0.5	0
300	Discovering High Utility Change Points in Customer Transaction Data. Lecture Notes in Computer Science, 2018, , 392-402.	1.0	0
301	Adaptive Self-Sufficient Itemset Miner for Transactional Data Streams. Lecture Notes in Computer Science, 2019, , 419-430.	1.0	0
302	Network of Experts: Learning from Evolving Data Streams Through Network-Based Ensembles. Lecture Notes in Computer Science, 2019, , 704-716.	1.0	0
303	A Decision Support System to Provide Criminal Pattern Based Suggestions to Travelers. Lecture Notes in Computer Science, 2020, , 582-587.	1.0	0
304	NetHAPP: High Average Utility Periodic Gapped Sequential Pattern Mining. , 2021, , 191-214.		0
305	Towards Revenue Maximization with Popular and Profitable Products. ACM/IMS Transactions on Data Science, 2021, 2, 1-21.	2.1	0
306	Observation points classifier ensemble for high-dimensional imbalanced classification. CAAL Transactions on Intelligence Technology, 2023, 8, 500-517.	3.4	0