

Bay Vo

List of Publications by Year in descending order

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148
papers

3,836
citations

153493

30
h-index

156116

55
g-index

152
all docs

152
docs citations

152
times ranked

3000
citing authors

#	ARTICLE	IF	CITATIONS
1	A microbial fuel cell capable of converting glucose to electricity at high rate and efficiency. <i>Biotechnology Letters</i> , 2003, 25, 1531-1535.	2.2	642
2	Effects of dance practice on functional mobility, motor symptoms and quality of life in people with Parkinson's disease: a systematic review with meta-analysis. <i>Aging Clinical and Experimental Research</i> , 2018, 30, 727-735.	2.9	178
3	A survey of itemset mining. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2017, 7, e1207.	7.2	172
4	Improving Electric Energy Consumption Prediction Using CNN and Bi-LSTM. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4237.	2.6	167
5	A new method for mining Frequent Weighted Itemsets based on WIT-trees. <i>Expert Systems With Applications</i> , 2013, 40, 1256-1264.	7.9	112
6	DBV-Miner: A Dynamic Bit-Vector approach for fast mining frequent closed itemsets. <i>Expert Systems With Applications</i> , 2012, 39, 7196-7206.	7.9	82
7	Lycorine induces cell-cycle arrest in the G0/G1 phase in K562 cells via HDAC inhibition. <i>Cancer Cell International</i> , 2012, 12, 49.	4.3	76
8	A lattice-based approach for mining most generalization association rules. <i>Knowledge-Based Systems</i> , 2013, 45, 20-30.	7.4	62
9	A lattice-based approach for mining high utility association rules. <i>Information Sciences</i> , 2017, 399, 81-97.	7.2	56
10	An efficient method for mining high utility closed itemsets. <i>Information Sciences</i> , 2019, 495, 78-99.	7.2	56
11	A fast and accurate approach for bankruptcy forecasting using squared logistics loss with GPU-based extreme gradient boosting. <i>Information Sciences</i> , 2019, 494, 294-310.	7.2	55
12	Tailoring materials properties of UFG aluminium alloys by accumulative roll bonded sandwich-like sheets. <i>Journal of Materials Science</i> , 2010, 45, 4733-4738.	3.7	53
13	Classification based on association rules: A lattice-based approach. <i>Expert Systems With Applications</i> , 2012, 39, 11357-11366.	7.9	53
14	MEI: An efficient algorithm for mining erasable itemsets. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 27, 155-166.	8.3	53
15	A Hybrid Approach Using Oversampling Technique and Cost-Sensitive Learning for Bankruptcy Prediction. <i>Complexity</i> , 2019, 2019, 1-12.	1.7	53
16	A multiple multilayer perceptron neural network with an adaptive learning algorithm for thyroid disease diagnosis in the internet of medical things. <i>Journal of Supercomputing</i> , 2021, 77, 3616-3637.	3.7	52
17	An N-list-based algorithm for mining frequent closed patterns. <i>Expert Systems With Applications</i> , 2015, 42, 6648-6657.	7.9	51
18	CAR-Miner: An efficient algorithm for mining class-association rules. <i>Expert Systems With Applications</i> , 2013, 40, 2305-2311.	7.9	48

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19	A novel approach for mining maximal frequent patterns. Expert Systems With Applications, 2017, 73, 178-186.	7.9	46
20	Efficient list based mining of high average utility patterns with maximum average pruning strategies. Information Sciences, 2021, 543, 85-105.	7.2	46
21	An efficient and effective algorithm for mining top-rank-k frequent patterns. Expert Systems With Applications, 2015, 42, 156-164.	7.9	44
22	Interestingness measures for association rules: Combination between lattice and hash tables. Expert Systems With Applications, 2011, 38, 11630-11640.	7.9	43
23	A New Method for Mining High Average Utility Itemsets. Lecture Notes in Computer Science, 2014, , 33-42.	1.0	43
24	Efficient transaction deleting approach of pre-large based high utility pattern mining in dynamic databases. Future Generation Computer Systems, 2020, 103, 58-78.	8.0	40
25	An efficient method for mining frequent itemsets with double constraints. Engineering Applications of Artificial Intelligence, 2014, 27, 148-154.	8.3	39
26	A fast algorithm for mining high average-utility itemsets. Applied Intelligence, 2017, 47, 331-346.	5.6	38
27	Sit down and rest: Use of virtual reality to evaluate preferences and mental restoration in urban park pavilions. Landscape and Urban Planning, 2022, 220, 104336.	7.7	38
28	Mining weighted subgraphs in a single large graph. Information Sciences, 2020, 514, 149-165.	7.2	36
29	Mining sequential patterns with itemset constraints. Knowledge and Information Systems, 2018, 57, 311-330.	3.4	35
30	An Efficient Algorithm for Mining Erasable Itemsets Using the Difference of NC-Sets. , 2013, , .		31
31	Mining erasable itemsets with subset and superset itemset constraints. Expert Systems With Applications, 2017, 69, 50-61.	7.9	31
32	Efficient strategies for parallel mining class association rules. Expert Systems With Applications, 2014, 41, 4716-4729.	7.9	30
33	Efficient methods for mining weighted clickstream patterns. Expert Systems With Applications, 2020, 142, 112993.	7.9	30
34	Efficient Approach for Damped Window-Based High Utility Pattern Mining With List Structure. IEEE Access, 2020, 8, 50958-50968.	4.4	30
35	Approximate high utility itemset mining in noisy environments. Knowledge-Based Systems, 2021, 212, 106596.	7.4	30
36	Mining top- k co-occurrence items with sequential pattern. Expert Systems With Applications, 2017, 85, 123-133.	7.9	29

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37	An efficient method for mining non-redundant sequential rules using attributed prefix-trees. Engineering Applications of Artificial Intelligence, 2014, 32, 88-99.	8.3	28
38	Efficient Algorithm for Mining Non-Redundant High-Utility Association Rules. Sensors, 2020, 20, 1078.	4.0	28
39	High performance self-powered photodetection with a low detection limit based on a two-dimensional organometallic perovskite ferroelectric. Journal of Materials Chemistry C, 2021, 9, 881-887.	5.6	28
40	An efficient strategy for mining high utility itemsets. International Journal of Intelligent Information and Database Systems, 2011, 5, 164.	0.9	27
41	An effective approach for maintenance of pre-large-based frequent-itemset lattice in incremental mining. Applied Intelligence, 2014, 41, 759-775.	5.6	26
42	Efficient mining of class association rules with the itemset constraint. Knowledge-Based Systems, 2016, 103, 73-88.	7.4	26
43	An efficient approach for mining sequential patterns using multiple threads on very large databases. Engineering Applications of Artificial Intelligence, 2018, 74, 242-251.	8.3	26
44	A Multi-Core Approach to Efficiently Mining High-Utility Itemsets in Dynamic Profit Databases. IEEE Access, 2020, 8, 85890-85899.	4.4	26
45	Incrementally building frequent closed itemset lattice. Expert Systems With Applications, 2014, 41, 2703-2712.	7.9	25
46	CCAR: An efficient method for mining class association rules with itemset constraints. Engineering Applications of Artificial Intelligence, 2015, 37, 115-124.	8.3	25
47	RHUPS. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-27.	4.7	24
48	Mining minimal non-redundant association rules using frequent itemsets lattice. International Journal of Intelligent Systems Technologies and Applications, 2011, 10, 92.	0.2	23
49	Efficient Algorithms for Mining Erasable Closed Patterns From Product Datasets. IEEE Access, 2017, 5, 3111-3120.	4.4	22
50	Mining traditional association rules using frequent itemsets lattice. , 2009, , .		21
51	Combination of dynamic bit vectors and transaction information for mining frequent closed sequences efficiently. Engineering Applications of Artificial Intelligence, 2015, 38, 183-189.	8.3	21
52	Exploring the Implication of DDX3X in DENV Infection: Discovery of the First-in-Class DDX3X Fluorescent Inhibitor. ACS Medicinal Chemistry Letters, 2020, 11, 956-962.	3.1	21
53	The lattice-based approaches for mining association rules: a review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2016, 6, 140-151.	7.2	20
54	Mining constrained inter-sequence patterns: a novel approach to cope with item constraints. Applied Intelligence, 2018, 48, 1327-1343.	5.6	20

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55	SPPC: a new tree structure for mining erasable patterns in data streams. <i>Applied Intelligence</i> , 2019, 49, 478-495.	5.6	20
56	Efficient mining of cross-level high-utility itemsets in taxonomy quantitative databases. <i>Information Sciences</i> , 2022, 587, 41-62.	7.2	20
57	An efficient method for mining frequent sequential patterns using multi-Core processors. <i>Applied Intelligence</i> , 2017, 46, 703-716.	5.6	19
58	Erasable pattern mining based on tree structures with damped window over data streams. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 94, 103735.	8.3	19
59	Event-Based Extended Dissipative State Estimation for Memristor-Based Markovian Neural Networks With Hybrid Time-Varying Delays. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 4520-4533.	5.8	19
60	Mining frequent closed inter-sequence patterns efficiently using dynamic bit vectors. <i>Applied Intelligence</i> , 2015, 43, 74-84.	5.6	18
61	EIFDD: An efficient approach for erasable itemset mining of very dense datasets. <i>Applied Intelligence</i> , 2015, 43, 85-94.	5.6	18
62	Fault and timing analysis in critical multi-core systems: A survey with an avionics perspective. <i>Journal of Systems Architecture</i> , 2018, 87, 1-11.	4.6	18
63	Mining top-k frequent patterns from uncertain databases. <i>Applied Intelligence</i> , 2020, 50, 1487-1497.	5.6	18
64	Clustered DNA damage induced by protons radiation in plasmid DNA. <i>Science Bulletin</i> , 2013, 58, 3217-3223.	1.6	17
65	Text Clustering Using Frequent Weighted Utility Itemsets. <i>Cybernetics and Systems</i> , 2017, 48, 193-209.	2.6	17
66	Mining Correlated High Utility Itemsets in One Phase. <i>IEEE Access</i> , 2020, 8, 90465-90477.	4.4	17
67	An Efficient Method for Mining Closed Potential High-Utility Itemsets. <i>IEEE Access</i> , 2020, 8, 31813-31822.	4.4	17
68	Efficient algorithms for mining clickstream patterns using pseudo-IDLists. <i>Future Generation Computer Systems</i> , 2020, 107, 18-30.	8.0	17
69	Feature selection and replacement by clustering attributes. <i>Vietnam Journal of Computer Science</i> , 2014, 1, 47-55.	1.3	16
70	IMSR_PreTree: an improved algorithm for mining sequential rules based on the prefix-tree. <i>Vietnam Journal of Computer Science</i> , 2014, 1, 97-105.	1.3	16
71	An efficient algorithm for mining frequent weighted itemsets using interval word segments. <i>Applied Intelligence</i> , 2016, 45, 1008-1020.	5.6	16
72	11 β -hydroxysteroid dehydrogenase type 1 selective inhibitor BVT.2733 protects osteoblasts against endogenous glucocorticoid induced dysfunction. <i>Endocrine Journal</i> , 2013, 60, 1047-1058.	1.7	15

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73	Efficient algorithms for mining colossal patterns in high dimensional databases. Knowledge-Based Systems, 2017, 122, 75-89.	7.4	15
74	An efficient parallel algorithm for mining weighted clickstream patterns. Information Sciences, 2022, 582, 349-368.	7.2	15
75	An Efficient Parallel Method for Mining Frequent Closed Sequential Patterns. IEEE Access, 2017, 5, 17392-17402.	4.4	14
76	Mining frequent weighted closed itemsets using the WN-list structure and an early pruning strategy. Applied Intelligence, 2021, 51, 1439-1459.	5.6	14
77	Efficient algorithms for mining closed high utility itemsets in dynamic profit databases. Expert Systems With Applications, 2021, 186, 115741.	7.9	14
78	MSGPs: A Novel Algorithm for Mining Sequential Generator Patterns. Lecture Notes in Computer Science, 2012, , 393-401.	1.0	13
79	A survey of erasable itemset mining algorithms. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 356-379.	7.2	13
80	A Hybrid Approach for Mining Frequent Itemsets. , 2013, , .		12
81	Mining non-redundant sequential rules with dynamic bit vectors and pruning techniques. Applied Intelligence, 2016, 45, 333-342.	5.6	12
82	Mining Maximal High Utility Itemsets on Dynamic Profit Databases. Cybernetics and Systems, 2020, 51, 140-160.	2.6	12
83	Fast updated frequent-itemset lattice for transaction deletion. Data and Knowledge Engineering, 2015, 96-97, 78-89.	3.7	11
84	An efficient method for mining multi-level high utility Itemsets. Applied Intelligence, 2022, 52, 5475-5496.	5.6	11
85	A method for mining top-rank-k frequent closed itemsets. Journal of Intelligent and Fuzzy Systems, 2017, 32, 1297-1305.	1.6	10
86	ETARM: an efficient top-k association rule mining algorithm. Applied Intelligence, 2018, 48, 1148.	5.6	10
87	Poor compliance despite equal access: Military experience with screening breast MRI in high risk women. American Journal of Surgery, 2019, 217, 843-847.	1.7	10
88	Mining Sequential Rules Based on Prefix-Tree. Studies in Computational Intelligence, 2011, , 147-156.	0.0	10
89	Multi-Swarm Single-Objective Particle Swarm Optimization to Extract Multiple-Choice Tests. Vietnam Journal of Computer Science, 2019, 06, 147-161.	1.3	9
90	What is the impact of clinical guidelines on imaging costs?. Journal of Education and Health Promotion, 2021, 10, 10.	0.7	9

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91	A Method for Closed Frequent Subgraph Mining in a Single Large Graph. IEEE Access, 2021, 9, 165719-165733.	4.4	9
92	Efficient Algorithms for Mining Frequent Weighted Itemsets from Weighted Items Databases. , 2010, , .		8
93	Efficient method for updating class association rules in dynamic datasets with record deletion. Applied Intelligence, 2018, 48, 1491-1505.	5.6	8
94	Subgraph mining in a large graph: A review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	7.2	8
95	An efficient approach for mining maximized erasable utility patterns. Information Sciences, 2022, 609, 1288-1308.	7.2	8
96	Energy spectra of narrow- and zero-gap-semiconductor quantum dots. Journal of Physics Condensed Matter, 2000, 12, 7923-7932.	1.9	7
97	An effective algorithm for mining closed sequential patterns and their minimal generators based on prefix trees. International Journal of Intelligent Information and Database Systems, 2013, 7, 324.	0.9	7
98	A Parallel Strategy for the Logicalâ€probabilistic Calculusâ€based Method to Calculate Twoâ€terminal Reliability. Quality and Reliability Engineering International, 2016, 32, 2313-2327.	2.3	7
99	Mining Frequent Weighted Closed Itemsets. Studies in Computational Intelligence, 2013, , 379-390.	0.0	7
100	Mining Class-Association Rules with Constraints. Advances in Intelligent Systems and Computing, 2014, , 307-318.	0.0	7
101	A Parallel Algorithm for Frequent Subgraph Mining. Advances in Intelligent Systems and Computing, 2015, , 163-173.	0.0	6
102	Effects of Nanoscale Ripple Texture on Friction and Film Thickness in EHL Contacts. Tribology Letters, 2019, 67, 1.	2.7	6
103	Preparedness for Coronavirus Disease in Hospitals of Nepal: A Nationwide Survey. Journal of the Nepal Medical Association, 2020, 58, 248-251.	0.5	6
104	A Frequency-Adjustable Tuning Fork Electromagnetic Energy Harvester. Materials, 2022, 15, 2108.	3.0	6
105	Scalable and Efficient Approach for High Temporal Fuzzy Utility Pattern Mining. IEEE Transactions on Cybernetics, 2023, 53, 7672-7685.	10.1	6
106	MedikamentÃ¶s induzierte Kolutiden. Deutsche Medizinische Wochenschrift, 1985, 110, 1504-1509.	0.2	5
107	Field Evaluation of MOV Adjustable Steam Chokes. , 2012, , .		5
108	An Efficient Method for Mining Erasable Itemsets Using Multicore Processor Platform. Complexity, 2018, 2018, 1-9.	1.7	5

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109	Investigating Influences of Medial Olivocochlear Efferent System on Central Auditory Processing and Listening in Noise: A Behavioral and Event-Related Potential Study. <i>Brain Sciences</i> , 2020, 10, 428.	2.4	5
110	An Efficient Algorithm for Mining Frequent Closed Inter- Transaction Patterns. , 2019, , .		4
111	A Track Initiation Algorithm Using Residual Threshold for Shore-Based Radar in Heavy Clutter Environments. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 614.	2.7	4
112	Discovering Erasable Closed Patterns. <i>Lecture Notes in Computer Science</i> , 2015, , 368-376.	1.0	4
113	Enhanced context-aware citation recommendation with auxiliary textual information based on an auto-encoding mechanism. <i>Applied Intelligence</i> , 2023, 53, 17381-17390.	5.6	4
114	Mining class association rules on imbalanced class datasets. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 7131-7139.	1.6	3
115	High Utility Association Rule Mining. <i>Studies in Big Data</i> , 2019, , 161-174.	0.0	3
116	An N-List-Based Approach for Mining Frequent Inter-Transaction Patterns. <i>IEEE Access</i> , 2020, 8, 116840-116855.	4.4	3
117	An Efficient Approach for Mining High-Utility Itemsets from Multiple Abstraction Levels. <i>Lecture Notes in Computer Science</i> , 2021, , 92-103.	1.0	3
118	A General Method for mining high-Utility itemsets with correlated measures. <i>Journal of Information and Telecommunication</i> , 2021, 5, 536-549.	3.0	3
119	Sequential Pattern Mining Using IDLists. <i>Lecture Notes in Computer Science</i> , 2020, , 341-353.	1.0	3
120	An efficient and scalable approach for mining subgraphs in a single large graph. <i>Applied Intelligence</i> , 2022, 52, 17881-17895.	5.6	3
121	Mining inter-sequence patterns with Itemset constraints. <i>Applied Intelligence</i> , 2023, 53, 19827-19842.	5.6	3
122	Efficient approach of high average utility pattern mining with indexed list-based structure in dynamic environments. <i>Information Sciences</i> , 2024, 657, 119924.	7.2	3
123	Information granulation construction and representation strategies for classification in imbalanced data based on granular computing. <i>Journal of Information and Telecommunication</i> , 2017, 1, 113-126.	3.0	2
124	A Weighted Approach for Class Association Rules. <i>Studies in Computational Intelligence</i> , 2018, , 213-222.	0.0	2
125	Multiswarm Multiobjective Particle Swarm Optimization with Simulated Annealing for Extracting Multiple Tests. <i>Scientific Programming</i> , 2020, 2020, 1-15.	0.8	2
126	A Novel Approach for Mining Closed Clickstream Patterns. <i>Cybernetics and Systems</i> , 2021, 52, 328-349.	2.6	2

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127	Enhancing Anchor Link Prediction in Information Networks through Integrated Embedding Techniques. Information Sciences, 2023, 645, 119331.	7.2	2
128	Toroidal Rotation in RF Heated JET Plasmas. AIP Conference Proceedings, 2007, , .	1.0	1
129	Enhancing the mining top-rank-k frequent patterns. , 2014, , .		1
130	A Novel Method for Mining Class Association Rules with Itemset Constraints. Lecture Notes in Computer Science, 2014, , 494-503.	1.0	1
131	Mining Class Association Rules with Synthesis Constraints. Lecture Notes in Computer Science, 2017, , 556-565.	1.0	1
132	Constraint-Based Method for Mining Colossal Patterns in High Dimensional Databases. Advances in Intelligent Systems and Computing, 2018, , 195-204.	0.0	1
133	ICT based Fertilizer Distribution System. , 2018, , .		1
134	Efficient Method for Mining Maximal Inter-transaction Patterns. Lecture Notes in Computer Science, 2020, , 316-327.	1.0	1
135	A Fast Algorithm for Mining Closed Inter-transaction Patterns. Lecture Notes in Computer Science, 2020, , 820-831.	1.0	1
136	Teaching Optical Engineering. Optical Engineering, 2008, 47, 050101.	1.0	0
137	An approach for mining non-redundant sequential rules efficiently. , 2015, , .		0
138	Comparative study and multiple linear regression analysis for assessment of chromatographic behavior of structurally related Î²-â€blockers on different stationary phases. Journal of Separation Science, 2019, 42, 3718-3726.	2.9	0
139	The Real-Life Outcome of VACOPed Boot in the Management of Diabetic Foot Ulcers. International Journal of Lower Extremity Wounds, 2020, , 153473462094267.	1.2	0
140	Subsume Concept in Erasable Itemset Mining. Lecture Notes in Computer Science, 2014, , 515-523.	1.0	0
141	iPS Cells and Cardiomyopathies. Pancreatic Islet Biology, 2015, , 83-110.	0.0	0
142	An Improved Algorithm for Mining Top-k Association Rules. Advances in Intelligent Systems and Computing, 2018, , 117-128.	0.0	0
143	<i>Nazr-o-NiÄz</i> (vÄ“u) et <i>Nazri</i> (repas votif) chez les Iraniens zoroastriens ou chiites. Homo Religiosus SÄ©rie II, 2020, , 197-202.	0.0	0
144	Efficient Pruning Strategy for Mining High Utility Quantitative Itemsets. Communications in Computer and Information Science, 2023, , 326-338.	0.0	0

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145	Incremental clickstream pattern mining with search boundaries. Information Sciences, 2024, 662, 120257.	7.2	0
146	Efficient implementation of the linear layer of block ciphers with large MDS matrices based on a new lookup table technique. PLoS ONE, 2024, 19, e0304873.	2.5	0
147	Efficiently Discover Multi-level Maximal High-Utility Patterns from Hierarchical Databases. Lecture Notes in Computer Science, 2024, , 382-393.	1.0	0
148	NS-IDBSCAN: An efficient incremental clustering method for geospatial data in network space. Information Sciences, 0, 690, 121526.	7.2	0