

# Philippe Fournier-Viger

## List of Publications by Year in descending order

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306  
papers

8,030  
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61945

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74  
g-index

319  
all docs

319  
docs citations

319  
times ranked

2415  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Observation points classifier ensemble for high-dimensional imbalanced classification. CAAI Transactions on Intelligence Technology, 2023, 8, 500-517.                     | 3.4 | 0         |
| 2  | Wireless Network Slice Assignment With Incremental Random Vector Functional Link Network. IEEE Transactions on Network Science and Engineering, 2023, 10, 1283-1296.       | 4.1 | 1         |
| 3  | TSPIN: mining top-k stable periodic patterns. Applied Intelligence, 2022, 52, 6917-6938.   | 3.3 | 22        |
| 4  | Parallel grid-based density peak clustering of big trajectory data. Applied Intelligence, 2022, 52, 17042-17057.   | 3.3 | 3         |
| 5  | Mining interesting sequences with low average cost and high average utility. Applied Intelligence, 2022, 52, 7136-7157.  | 3.3 | 2         |
| 6  | Frequent high minimum average utility sequence mining with constraints in dynamic databases using efficient pruning strategies. Applied Intelligence, 2022, 52, 6106-6128. | 3.3 | 6         |
| 7  | Self-adaptive nonoverlapping sequential pattern mining. Applied Intelligence, 2022, 52, 6646-6661.   | 3.3 | 10        |
| 8  | An efficient parallel algorithm for mining weighted clickstream patterns. Information Sciences, 2022, 582, 349-368.  | 4.0 | 14        |
| 9  | NTP-Miner: Nonoverlapping Three-Way Sequential Pattern Mining. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-21.  | 2.5 | 16        |
| 10 | Mining High Utility Itemsets with Hill Climbing and Simulated Annealing. ACM Transactions on Management Information Systems, 2022, 13, 1-22.                               | 2.1 | 16        |
| 11 | NWP-Miner: Nonoverlapping weak-gap sequential pattern mining. Information Sciences, 2022, 588, 124-141.  | 4.0 | 12        |
| 12 | AM-ConvGRU: a spatio-temporal model for typhoon path prediction. Neural Computing and Applications, 2022, 34, 5905-5921.   | 3.2 | 8         |
| 13 | Mining sequential patterns with flexible constraints from MOOC data. Applied Intelligence, 2022, 52, 16458-16474.  | 3.3 | 7         |
| 14 | A novel dependency-oriented mixed-attribute data classification method. Expert Systems With Applications, 2022, 199, 116782.   | 4.4 | 8         |
| 15 | MalSPM: Metamorphic malware behavior analysis and classification using sequential pattern mining. Computers and Security, 2022, 118, 102741.                               | 4.0 | 14        |
| 16 | Mining high occupancy patterns to analyze incremental data in intelligent systems. ISA Transactions, 2022, 131, 460-475.   | 3.1 | 6         |
| 17 | UBP-Miner: An efficient bit based high utility itemset mining algorithm. Knowledge-Based Systems, 2022, 248, 108865.   | 4.0 | 12        |
| 18 | Pattern Mining: Current Challenges and Opportunities. Lecture Notes in Computer Science, 2022, , 34-49.  | 1.0 | 20        |

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|----|--|-----|-----------|
| 19 | H-FHAUI: Hiding Frequent High Average Utility Itemsets. Information Sciences, 2022, , .  | 4.0 | 2         |
| 20 | Fast Utility Mining on Sequence Data. IEEE Transactions on Cybernetics, 2021, 51, 487-500.   | 6.2 | 66        |
| 21 | Analysis of public reactions to the novel Coronavirus (COVID-19) outbreak on Twitter. Kybernetes, 2021, 50, 1633-1653.   | 1.2 | 23        |
| 22 | Proof searching and prediction in HOL4 with evolutionary/heuristic and deep learning techniques. Applied Intelligence, 2021, 51, 1580-1601.                    | 3.3 | 3         |
| 23 | Damped sliding based utility oriented pattern mining over stream data. Knowledge-Based Systems, 2021, 213, 106653.   | 4.0 | 20        |
| 24 | Hiding sensitive information in eHealth datasets. Future Generation Computer Systems, 2021, 117, 169-180.  | 4.9 | 24        |
| 25 | Mining local periodic patterns in a discrete sequence. Information Sciences, 2021, 544, 519-548.   | 4.0 | 28        |
| 26 | A guided FP-Growth algorithm for mining multitude-targeted item-sets and class association rules in imbalanced data. Information Sciences, 2021, 553, 353-375. | 4.0 | 29        |
| 27 | Fast Top-K association rule mining using rule generation property pruning. Applied Intelligence, 2021, 51, 2077-2093.  | 3.3 | 15        |
| 28 | A Survey of Utility-Oriented Pattern Mining. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1306-1327.   | 4.0 | 185       |
| 29 | A Survey of Machine Learning for Network Fault Management. , 2021, , 1-27.   |     | 1         |
| 30 | Proof Searching in PVS Theorem Prover Using Simulated Annealing. Lecture Notes in Computer Science, 2021, , 253-262.   | 1.0 | 1         |
| 31 | Discovering Alarm Correlation Rules for Network Fault Management. Lecture Notes in Computer Science, 2021, , 228-239.  | 1.0 | 3         |
| 32 | IEEE Access Special Section Editorial: Utility-Pattern Mining: Theoretical Analytics and Applications. IEEE Access, 2021, 9, 16604-16607.                      | 2.6 | 5         |
| 33 | Using artificial intelligence techniques for COVID-19 genome analysis. Applied Intelligence, 2021, 51, 3086-3103.  | 3.3 | 61        |
| 34 | Beyond Frequency. ACM Transactions on Internet Technology, 2021, 21, 1-32.   | 3.0 | 7         |
| 35 | FHUQ-Miner: Fast high utility quantitative itemset mining. Applied Intelligence, 2021, 51, 6785-6809.  | 3.3 | 19        |
| 36 | A new perceptual evaluation method of video quality based on neural network. Intelligent Data Analysis, 2021, 25, 571-587.                                     | 0.4 | 2         |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | An evolutionary/heuristic-based proof searching framework for interactive theorem prover. Applied Soft Computing Journal, 2021, 104, 107200.  | 4.1 | 6         |
| 39 | Utility Mining Across Multi-Dimensional Sequences. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-24.   | 2.5 | 15        |
| 40 | Enhancing link prediction in dynamic networks using content aggregation. Cluster Computing, 2021, 24, 3055-3063.  | 3.5 | 0         |
| 41 | Efficient algorithms for mining frequent high utility sequences with constraints. Information Sciences, 2021, 568, 239-264.   | 4.0 | 20        |
| 42 | A predictive GA-based model for closed high-utility itemset mining. Applied Soft Computing Journal, 2021, 108, 107422.  | 4.1 | 52        |
| 43 | Mining Profitable and Concise Patterns in Large-Scale Internet of Things Environments. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.                              | 0.8 | 1         |
| 44 | HANP-Miner: High average utility nonoverlapping sequential pattern mining. Knowledge-Based Systems, 2021, 229, 107361.  | 4.0 | 22        |
| 45 | Mining Partially-Ordered Episode Rules in an Event Sequence. Lecture Notes in Computer Science, 2021, , 3-15.   | 1.0 | 9         |
| 46 | Mining Partially-Ordered Episode Rules with the Head Support. Lecture Notes in Computer Science, 2021, , 266-271.   | 1.0 | 4         |
| 47 | Investigating Crossover Operators in Genetic Algorithms for High-Utility Itemset Mining. Lecture Notes in Computer Science, 2021, , 16-28.  | 1.0 | 4         |
| 48 | 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         |
| 49 | A Transaction Classification Model of Federated Learning. Lecture Notes in Computer Science, 2021, , 509-518.   | 1.0 | 2         |
| 50 | Mining Skyline Frequent-Utility Itemsets with Utility Filtering. Lecture Notes in Computer Science, 2021, , 411-424.  | 1.0 | 8         |
| 51 | Privacy Preservation of Periodic Frequent Patterns Using Sensitive Inverse Frequency. , 2021, , 215-227.  |     | 1         |
| 52 | Discovering Periodic High Utility Itemsets in a Discrete Sequence. , 2021, , 133-151.   |     | 2         |
| 53 | Finding Periodic Patterns in Multiple Sequences. , 2021, , 81-103.  |     | 1         |
| 54 | NetHAPP: High Average Utility Periodic Gapped Sequential Pattern Mining. , 2021, , 191-214.   |     | 0         |

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|----|---|-----|-----------|
| 55 | Towards Revenue Maximization with Popular and Profitable Products. ACM/IMS Transactions on Data Science, 2021, 2, 1-21.   | 2.1 | 0         |
| 56 | Stable High Utility Itemset Mining. , 2021, , .   |     | 1         |
| 57 | Privacy-Preserving Periodic Frequent Pattern Model in AIoT Applications. , 2021, , .  |     | 1         |
| 58 | HSNP-Miner: High Utility Self-Adaptive Nonoverlapping Pattern Mining. , 2021, , .   |     | 1         |
| 59 | CHUQI-Miner: Mining Correlated Quantitative High Utility Itemsets. , 2021, , .  |     | 1         |
| 60 | Discovering Relative High Utility Itemsets in Very Large Transactional Databases Using Null-Invariant Measure. , 2021, , .  |     | 1         |
| 61 | HUOPM: High-Utility Occupancy Pattern Mining. IEEE Transactions on Cybernetics, 2020, 50, 1195-1208.  | 6.2 | 115       |
| 62 | NextRoute: a lossless model for accurate mobility prediction. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2661-2681.                           | 3.3 | 5         |
| 63 | Discovering rare correlated periodic patterns in multiple sequences. Data and Knowledge Engineering, 2020, 126, 101733.   | 2.1 | 16        |
| 64 | High average-utility sequential pattern mining based on uncertain databases. Knowledge and Information Systems, 2020, 62, 1199-1228.                                  | 2.1 | 24        |
| 65 | EHAUSM: An efficient algorithm for high average utility sequence mining. Information Sciences, 2020, 515, 302-323.  | 4.0 | 19        |
| 66 | Mining cost-effective patterns in event logs. Knowledge-Based Systems, 2020, 191, 105241.   | 4.0 | 34        |
| 67 | 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         |
| 68 | Mining high utility itemsets using extended chain structure and utility machine. Knowledge-Based Systems, 2020, 208, 106457.  | 4.0 | 18        |
| 69 | Proof Learning in PVS With Utility Pattern Mining. IEEE Access, 2020, 8, 119806-119818.   | 2.6 | 4         |
| 70 | Mining Productive Itemsets in Dynamic Databases. IEEE Access, 2020, 8, 140122-140144.   | 2.6 | 2         |
| 71 | Extracting User-Centric Knowledge on Two Different Spaces: Concepts and Records. IEEE Access, 2020, 8, 134782-134799.   | 2.6 | 5         |
| 72 | A Multi-Core Approach to Efficiently Mining High-Utility Itemsets in Dynamic Profit Databases. IEEE Access, 2020, 8, 85890-85899.                                     | 2.6 | 26        |

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|----|---|-----|-----------|
| 73 | Efficient Chain Structure for High-Utility Sequential Pattern Mining. IEEE Access, 2020, 8, 40714-40722.  | 2.6 | 24        |
| 74 | Mining correlated high-utility itemsets using various measures. Logic Journal of the IGPL, 2020, 28, 19-32.   | 1.3 | 26        |
| 75 | One scan based high average-utility pattern mining in static and dynamic databases. Future Generation Computer Systems, 2020, 111, 143-158.                     | 4.9 | 26        |
| 76 | A survey of pattern mining in dynamic graphs. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1372.                            | 4.6 | 18        |
| 77 | TKE: Mining Top-K Frequent Episodes. Lecture Notes in Computer Science, 2020, , 832-845.  | 1.0 | 22        |
| 78 | Mining Cross-Level High Utility Itemsets. Lecture Notes in Computer Science, 2020, , 858-871.   | 1.0 | 12        |
| 79 | Maintenance of Prelarge High Average-Utility Patterns in Incremental Databases. Lecture Notes in Computer Science, 2020, , 884-895.                             | 1.0 | 1         |
| 80 | Mining Attribute Evolution Rules in Dynamic Attributed Graphs. Lecture Notes in Computer Science, 2020, , 167-182.  | 1.0 | 6         |
| 81 | TKC: Mining Top-K Cross-Level High Utility Itemsets. , 2020, , .  |     | 12        |
| 82 | Proof searching in HOL4 with genetic algorithm. , 2020, , .   |     | 4         |
| 83 | Utility-Driven Mining of Trend Information for Intelligent System. ACM Transactions on Management Information Systems, 2020, 11, 1-28.                          | 2.1 | 11        |
| 84 | Mining Locally Trending High Utility Itemsets. Lecture Notes in Computer Science, 2020, , 99-111.   | 1.0 | 2         |
| 85 | A Decision Support System to Provide Criminal Pattern Based Suggestions to Travelers. Lecture Notes in Computer Science, 2020, , 582-587.                       | 1.0 | 0         |
| 86 | Discovering Frequent Spatial Patterns in Very Large Spatiotemporal Databases. , 2020, , .   |     | 7         |
| 87 | GBSO-RSS: GPU-Based BSO for Rules Space Summarization. Advances in Intelligent Systems and Computing, 2019, , 123-129.  | 0.5 | 5         |
| 88 | 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        |
| 89 | Exploiting GPU parallelism in improving bees swarm optimization for mining big transactional databases. Information Sciences, 2019, 496, 326-342.               | 4.0 | 34        |
| 90 | CLS-Miner: efficient and effective closed high-utility itemset mining. Frontiers of Computer Science, 2019, 13, 357-381.  | 1.6 | 43        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Frequent itemset mining: A 25 years review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1329.   | 4.6 | 138       |
| 92  | Efficient high average-utility itemset mining using novel vertical weak upper-bounds. Knowledge-Based Systems, 2019, 183, 104847.   | 4.0 | 40        |
| 93  | Discovering Stable Periodic-Frequent Patterns in Transactional Data. Lecture Notes in Computer Science, 2019, , 230-244.  | 1.0 | 26        |
| 94  | A Parallel Crime Activity Clustering Algorithm Based on Apache Spark Cloud Computing Platform. , 2019, , .  |     | 2         |
| 95  | A Novel Parallel Framework for Metaheuristic-based Frequent Itemset Mining. , 2019, , .   |     | 1         |
| 96  | A Swarm-based Data Sanitization Algorithm in Privacy-Preserving Data Mining. , 2019, , .  |     | 1         |
| 97  | Discovering Spatial High Utility Itemsets in Spatiotemporal Databases. , 2019, , .  |     | 12        |
| 98  | A Survey of High Utility Sequential Pattern Mining. Studies in Big Data, 2019, , 97-129.  | 0.8 | 37        |
| 99  | Efficient Algorithms for High Utility Itemset Mining Without Candidate Generation. Studies in Big Data, 2019, , 131-160.  | 0.8 | 17        |
| 100 | A Survey of Privacy Preserving Utility Mining. Studies in Big Data, 2019, , 207-232.  | 0.8 | 6         |
| 101 | A Survey of High Utility Itemset Mining. Studies in Big Data, 2019, , 1-45.   | 0.8 | 55        |
| 102 | Metaheuristics for Frequent and High-Utility Itemset Mining. Studies in Big Data, 2019, , 261-278.  | 0.8 | 4         |
| 103 | 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        |
| 104 | FMaxCloHUSM: An efficient algorithm for mining frequent closed and maximal high utility sequences. Engineering Applications of Artificial Intelligence, 2019, 85, 1-20.     | 4.3 | 26        |
| 105 | A Survey of Parallel Sequential Pattern Mining. ACM Transactions on Knowledge Discovery From Data, 2019, 13, 1-34.  | 2.5 | 176       |
| 106 | Mining significant trend sequences in dynamic attributed graphs. Knowledge-Based Systems, 2019, 182, 104797.  | 4.0 | 18        |
| 107 | Efficient algorithms to identify periodic patterns in multiple sequences. Information Sciences, 2019, 489, 205-226.   | 4.0 | 45        |
| 108 | Football Pass Prediction Using Player Locations. Lecture Notes in Computer Science, 2019, , 152-158.  | 1.0 | 2         |

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|-----|--|-----|-----------|
| 109 | BILU-NEMH: A BILU neural-encoded mention hypergraph for mention extraction. Information Sciences, 2019, 496, 53-64.                                      | 4.0 | 12        |
| 110 | Mining high-utility itemsets in dynamic profit databases. Knowledge-Based Systems, 2019, 175, 130-144.   | 4.0 | 69        |
| 111 | Efficiently Finding High Utility-Frequent Itemsets Using Cutoff and Suffix Utility. Lecture Notes in Computer Science, 2019, , 191-203.                  | 1.0 | 11        |
| 112 | Mining Compact High Utility Itemsets Without Candidate Generation. Studies in Big Data, 2019, , 279-302.   | 0.8 | 14        |
| 113 | Hiding sensitive itemsets with multiple objective optimization. Soft Computing, 2019, 23, 12779-12797.   | 2.1 | 45        |
| 114 | GPU-based swarm intelligence for Association Rule Mining in big databases. Intelligent Data Analysis, 2019, 23, 57-76.                                   | 0.4 | 8         |
| 115 | A Sanitization Approach to Secure Shared Data in an IoT Environment. IEEE Access, 2019, 7, 25359-25368.  | 2.6 | 40        |
| 116 | A GA-based Framework for Mining High Fuzzy Utility Itemsets. , 2019, , .   |     | 5         |
| 117 | Discovering Periodic Patterns in Irregular Time Series. , 2019, , .  |     | 1         |
| 118 | An Efficient Chain Structure to Mine High-Utility Sequential Patterns. , 2019, , .   |     | 5         |
| 119 | A Project-based PMiner Algorithm in Uncertain Databases. , 2019, , .   |     | 0         |
| 120 | Mining High-Utility Sequential Patterns from Big Datasets. , 2019, , .   |     | 6         |
| 121 | Efficient Mining of High Average-Utility Sequential Patterns from Uncertain Databases. , 2019, , .   |     | 4         |
| 122 | SPPC: a new tree structure for mining erasable patterns in data streams. Applied Intelligence, 2019, 49, 478-495.  | 3.3 | 17        |
| 123 | Mining High Utility Itemsets from Multiple Databases. Smart Innovation, Systems and Technologies, 2019, , 139-146.                                       | 0.5 | 0         |
| 124 | Mining local and peak high utility itemsets. Information Sciences, 2019, 481, 344-367.   | 4.0 | 60        |
| 125 | Mining of skyline patterns by considering both frequent and utility constraints. Engineering Applications of Artificial Intelligence, 2019, 77, 229-238. | 4.3 | 83        |
| 126 | Bee swarm optimization for solving the MAXSAT problem using prior knowledge. Soft Computing, 2019, 23, 3095-3112.  | 2.1 | 9         |



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|-----|---|-----|-----------|
| 127 | Proof Guidance in PVS with Sequential Pattern Mining. Lecture Notes in Computer Science, 2019, , 45-60.   | 1.0 | 9         |
| 128 | HUE-Span: Fast High Utility Episode Mining. Lecture Notes in Computer Science, 2019, , 169-184.   | 1.0 | 23        |
| 129 | TKG: Efficient Mining of Top-K Frequent Subgraphs. Lecture Notes in Computer Science, 2019, , 209-226.  | 1.0 | 20        |
| 130 | An Explicit Relationship Between Sequential Patterns and Their Concise Representations. Lecture Notes in Computer Science, 2019, , 341-361.                           | 1.0 | 1         |
| 131 | Discovering Periodic Itemsets Using Novel Periodicity Measures. Advances in Electrical and Electronic Engineering, 2019, 17, .  | 0.2 | 4         |
| 132 | The density-based clustering method for privacy-preserving data mining. Mathematical Biosciences and Engineering, 2019, 16, 1718-1728.                                | 1.0 | 18        |
| 133 | Adaptive Self-Sufficient Itemset Miner for Transactional Data Streams. Lecture Notes in Computer Science, 2019, , 419-430.  | 1.0 | 0         |
| 134 | Succinct BWT-Based Sequence Prediction. Lecture Notes in Computer Science, 2019, , 91-101.  | 1.0 | 4         |
| 135 | Network of Experts: Learning from Evolving Data Streams Through Network-Based Ensembles. Lecture Notes in Computer Science, 2019, , 704-716.                          | 1.0 | 0         |
| 136 | Using Diagnostic Analysis to Discover Offensive Patterns in a Football Game. Springer Proceedings in Business and Economics, 2018, , 381-386.                         | 0.3 | 6         |
| 137 | Efficiently updating the discovered high average-utility itemsets with transaction insertion. Engineering Applications of Artificial Intelligence, 2018, 72, 136-149. | 4.3 | 14        |
| 138 | Fast and effective cluster-based information retrieval using frequent closed itemsets. Information Sciences, 2018, 453, 154-167.                                      | 4.0 | 67        |
| 139 | TUB-HAUPM: Tighter Upper Bound for Mining High Average-Utility Patterns. IEEE Access, 2018, 6, 18655-18669.   | 2.6 | 34        |
| 140 | An efficient algorithm for Hiding High Utility Sequential Patterns. International Journal of Approximate Reasoning, 2018, 95, 77-92.                                  | 1.9 | 23        |
| 141 | A survey of incremental high-utility itemset mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1242.                            | 4.6 | 110       |
| 142 | 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        |
| 143 | Extracting useful knowledge from event logs: A frequent itemset mining approach. Knowledge-Based Systems, 2018, 139, 132-148.   | 4.0 | 45        |
| 144 | Exploiting highly qualified pattern with frequency and weight occupancy. Knowledge and Information Systems, 2018, 56, 165-196.  | 2.1 | 15        |

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|-----|---|-----|-----------|
| 145 | Efficient high utility itemset mining using buffered utility-lists. Applied Intelligence, 2018, 48, 1859-1877.  | 3.3 | 73        |
| 146 | Extracting non-redundant correlated purchase behaviors by utility measure. Knowledge-Based Systems, 2018, 143, 30-41.   | 4.0 | 52        |
| 147 | Efficiently mining frequent itemsets applied for textual aggregation. Applied Intelligence, 2018, 48, 1013-1019.  | 3.3 | 11        |
| 148 | PPSF: An Open-Source Privacy-Preserving and Security Mining Framework. , 2018, , .  |     | 34        |
| 149 | Concept Drift Detector Selection for Hoeffding Adaptive Trees. Lecture Notes in Computer Science, 2018, , 730-736.  | 1.0 | 0         |
| 150 | A Metaheuristic Algorithm for Hiding Sensitive Itemsets. Lecture Notes in Computer Science, 2018, , 492-498.  | 1.0 | 7         |
| 151 | Anonymization of Multiple and Personalized Sensitive Attributes. Lecture Notes in Computer Science, 2018, , 204-215.  | 1.0 | 4         |
| 152 | Radio Data Transmission Reduction in Power-Constrained WSN. , 2018, , .   |     | 1         |
| 153 | Mining diversified association rules in big datasets: A cluster/GPU/genetic approach. Information Sciences, 2018, 459, 117-134.   | 4.0 | 42        |
| 154 | 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         |
| 155 | An efficient algorithm for mining periodic high-utility sequential patterns. Applied Intelligence, 2018, 48, 4694-4714.   | 3.3 | 40        |
| 156 | Binary dragonfly optimization for feature selection using time-varying transfer functions. Knowledge-Based Systems, 2018, 161, 185-204.   | 4.0 | 318       |
| 157 | A new framework for metaheuristic-based frequent itemset mining. Applied Intelligence, 2018, 48, 4775-4791.   | 3.3 | 19        |
| 158 | Efficiently Updating the Discovered Multiple Fuzzy Frequent Itemsets with Transaction Insertion. International Journal of Fuzzy Systems, 2018, 20, 2440-2457.   | 2.3 | 13        |
| 159 | Maintenance algorithm for high average-utility itemsets with transaction deletion. Applied Intelligence, 2018, 48, 3691-3706.   | 3.3 | 19        |
| 160 | Maintenance of Discovered High Average-Utility Itemsets in Dynamic Databases. Applied Sciences (Switzerland), 2018, 8, 769.   | 1.3 | 18        |
| 161 | Mining Local High Utility Itemsets. Lecture Notes in Computer Science, 2018, , 450-460.   | 1.0 | 4         |
| 162 | LocRec: Rule-Based Successive Location Recommendation in LBSN. , 2018, , .  |     | 1         |

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|-----|--|-----|-----------|
| 163 | New Tighter Upper Bounds for Mining High Average-Utility Itemsets. , 2018, , .   |     | 2         |
| 164 | High utility drift detection in quantitative data streams. Knowledge-Based Systems, 2018, 157, 34-51.  | 4.0 | 9         |
| 165 | Updating the Discovered High Average-Utility Patterns with Transaction Insertion. Advances in Intelligent Systems and Computing, 2018, , 66-73.                                    | 0.5 | 3         |
| 166 | Interactive Discovery of Statistically Significant Itemsets. Lecture Notes in Computer Science, 2018, , 101-113.   | 1.0 | 2         |
| 167 | Discovering Strong Meta Association Rules Using Bees Swarm Optimization. Lecture Notes in Computer Science, 2018, , 195-206.   | 1.0 | 1         |
| 168 | Discovering High Utility Change Points in Customer Transaction Data. Lecture Notes in Computer Science, 2018, , 392-402.   | 1.0 | 0         |
| 169 | A binary PSO approach to mine high-utility itemsets. Soft Computing, 2017, 21, 5103-5121.  | 2.1 | 95        |
| 170 | Efficiently mining uncertain high-utility itemsets. Soft Computing, 2017, 21, 2801-2820.   | 2.1 | 43        |
| 171 | Chemical reaction optimization with unified tabu search for the vehicle routing problem. Soft Computing, 2017, 21, 6421-6433.  | 2.1 | 9         |
| 172 | An efficient algorithm for mining top-k on-shelf high utility itemsets. Knowledge and Information Systems, 2017, 52, 621-655.  | 2.1 | 29        |
| 173 | FCloSM, FGenSM: two efficient algorithms for mining frequent closed and generator sequences using the local pruning strategy. Knowledge and Information Systems, 2017, 53, 71-107. | 2.1 | 30        |
| 174 | Mining of frequent patterns with multiple minimum supports. Engineering Applications of Artificial Intelligence, 2017, 60, 83-96.  | 4.3 | 54        |
| 175 | A survey of itemset mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1207.  | 4.6 | 163       |
| 176 | Efficiently mining frequent itemsets with weight and recency constraints. Applied Intelligence, 2017, 47, 769-792.   | 3.3 | 13        |
| 177 | Discovering Periodic Patterns in Non-uniform Temporal Databases. Lecture Notes in Computer Science, 2017, , 604-617.   | 1.0 | 18        |
| 178 | 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        |
| 179 | A two-phase approach to mine short-period high-utility itemsets in transactional databases. Advanced Engineering Informatics, 2017, 33, 29-43.                                     | 4.0 | 32        |
| 180 | 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        |

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|-----|--|-----|-----------|
| 181 | EHAUPM: Efficient High Average-Utility Pattern Mining With Tighter Upper Bounds. IEEE Access, 2017, 5, 12927-12940.  | 2.6 | 61        |
| 182 | Extracting recent weighted-based patterns from uncertain temporal databases. Engineering Applications of Artificial Intelligence, 2017, 61, 161-172.                             | 4.3 | 22        |
| 183 | A fast algorithm for mining high average-utility itemsets. Applied Intelligence, 2017, 47, 331-346.  | 3.3 | 36        |
| 184 | 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        |
| 185 | High-Utility Sequential Pattern Mining with Multiple Minimum Utility Thresholds. Lecture Notes in Computer Science, 2017, , 215-229.   | 1.0 | 14        |
| 186 | ETARM: an efficient top-k association rule mining algorithm. Applied Intelligence, 2017, 48, 1148.   | 3.3 | 9         |
| 187 | Mining of High Average-Utility Itemsets with a Tighter Upper-Bound Model. , 2017, , .  |     | 1         |
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