

# Paolo Garza

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

880  
citations

567281

15  
h-index

580821

25  
g-index

76  
all docs

76  
docs citations

76  
times ranked

816  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Lazy Approach to Associative Classification. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 156-171.	5.7	85
2	Generalized association rule mining with constraints. Information Sciences, 2012, 194, 68-84.	6.9	60
3	Infrequent Weighted Itemset Mining Using Frequent Pattern Growth. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 903-915.	5.7	60
4	MWI-Sum. ACM Transactions on Information Systems, 2015, 34, 1-35.	4.9	39
5	Frequent Itemsets Mining for Big Data: A Comparative Analysis. Big Data Research, 2017, 9, 67-83.	4.2	37
6	On support thresholds in associative classification. , 2004, , .		32
7	Double-Step U-Net: A Deep Learning-Based Approach for the Estimation of Wildfire Damage Severity through Sentinel-2 Satellite Data. Applied Sciences (Switzerland), 2020, 10, 4332.	2.5	28
8	Support driven opportunistic aggregation for generalized itemset extraction. , 2010, , .		25
9	CAS-Mine: providing personalized services in context-aware applications by means of generalized rules. Knowledge and Information Systems, 2011, 28, 283-310.	3.2	25
10	Answering XML queries by means of data summaries. ACM Transactions on Information Systems, 2007, 25, 10.	4.9	23
11	Improving classification models with taxonomy information. Data and Knowledge Engineering, 2013, 86, 85-101.	3.4	23
12	ELSA. ACM Transactions on Information Systems, 2019, 37, 1-33.	4.9	23
13	EnBay: A Novel Pattern-Based Bayesian Classifier. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2780-2795.	5.7	22
14	SeLINA: A Self-Learning Insightful Network Analyzer. IEEE Transactions on Network and Service Management, 2016, 13, 696-710.	4.9	21
15	Predicting critical conditions in bicycle sharing systems. Computing (Vienna/New York), 2017, 99, 39-57.	4.8	19
16	l-prune: Item selection for associative classification. International Journal of Intelligent Systems, 2012, 27, 279-299.	5.7	16
17	Itemset generalization with cardinality-based constraints. Information Sciences, 2013, 244, 161-174.	6.9	16
18	A data mining approach to incremental adaptive functional diagnosis. , 2013, , .		15

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19	Misleading Generalized Itemset discovery. Expert Systems With Applications, 2014, 41, 1400-1410.	7.6	15
20	A Parallel MapReduce Algorithm to Efficiently Support Itemset Mining on High Dimensional Data. Big Data Research, 2017, 10, 53-69.	4.2	15
21	Real-time Object Detection and Tracking in Mixed Reality using Microsoft HoloLens. , 2020, , .		14
22	Expressive generalized itemsets. Information Sciences, 2014, 278, 327-343.	6.9	13
23	Modeling Correlations among Air Pollution-Related Data through Generalized Association Rules. , 2016, , .		13
24	Discovering profitable stocks for intraday trading. Information Sciences, 2017, 405, 91-106.	6.9	12
25	Planning stock portfolios by means of weighted frequent itemsets. Expert Systems With Applications, 2017, 86, 1-17.	7.6	12
26	TOD: Temporal outlier detection by using quasi-functional temporal dependencies. Data and Knowledge Engineering, 2010, 69, 619-639.	3.4	11
27	Context-Aware User and Service Profiling by Means of Generalized Association Rules. Lecture Notes in Computer Science, 2009, , 50-57.	1.3	11
28	Attention to Fires: Multi-Channel Deep Learning Models for Wildfire Severity Prediction. Applied Sciences (Switzerland), 2021, 11, 11060.	2.5	11
29	MeTA. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-25.	4.5	10
30	Twitter data analysis by means of Strong Flipping Generalized Itemsets. Journal of Systems and Software, 2014, 94, 16-29.	4.5	9
31	Scaling associative classification for very large datasets. Journal of Big Data, 2017, 4, .	11.0	9
32	Predicting Car Availability in Free Floating Car Sharing Systems: Leveraging Machine Learning in Challenging Contexts. Electronics (Switzerland), 2020, 9, 1322.	3.1	9
33	Training ensembles of faceted classification models for quantitative stock trading. Computing (Vienna/New York), 2020, 102, 1213-1225.	4.8	9
34	A Data-Driven Based Dynamic Rebalancing Methodology for Bike Sharing Systems. Applied Sciences (Switzerland), 2021, 11, 6967.	2.5	9
35	Discovering High-Utility Itemsets at Multiple Abstraction Levels. Communications in Computer and Information Science, 2017, , 224-234.	0.5	9
36	Deep Learning Models for Road Passability Detection during Flood Events Using Social Media Data. Applied Sciences (Switzerland), 2020, 10, 8783.	2.5	8

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37	Characterizing unpredictable patterns in Wireless Sensor Network data. Information Sciences, 2018, 467, 149-162.	6.9	7
38	Additional Reviewer Assignment by Means of Weighted Association Rules. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 329-341.	4.6	7
39	Majority Classification by Means of Association Rules. Lecture Notes in Computer Science, 2003, , 35-46.	1.3	7
40	PaMPa-HD: A Parallel MapReduce-Based Frequent Pattern Miner for High-Dimensional Data. , 2015, , .		6
41	An Expert CAD Flow for Incremental Functional Diagnosis of Complex Electronic Boards. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2015, 34, 835-848.	2.7	6
42	Discovering cross-topic collaborations among researchers by exploiting weighted association rules. Scientometrics, 2018, 116, 1273-1301.	3.0	6
43	Temporal Pattern Mining for Medical Applications. Intelligent Systems Reference Library, 2012, , 9-18.	1.2	6
44	Anomaly Detection in XML databases by means of Association Rules. , 2007, , .		4
45	Misleading Generalized Itemset Mining in the Cloud. , 2014, , .		4
46	Digging deep into weighted patient data through multiple-level patterns. Information Sciences, 2015, 322, 51-71.	6.9	4
47	Pattern set mining with schema-based constraint. Knowledge-Based Systems, 2015, 84, 224-238.	7.1	4
48	PaWI: Parallel Weighted Itemset Mining by Means of MapReduce. , 2015, , .		4
49	Characterizing Situations of Dock Overload in Bicycle Sharing Stations. Applied Sciences (Switzerland), 2018, 8, 2521.	2.5	4
50	NEMICO: Mining Network Data through Cloud-Based Data Mining Techniques. , 2014, , .		3
51	SaFe-NeC: A scalable and flexible system for network data characterization. , 2016, , .		3
52	CarPredictor: Forecasting the Number of Free Floating Car Sharing Vehicles within Restricted Urban Areas. , 2019, , .		3
53	What's my App?. Performance Evaluation Review, 2021, 48, 41-44.	0.6	3
54	Complementing Location-Based Social Network Data With Mobility Data: A Pattern-Based Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21216-21227.	8.0	3

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55	Real-Time Classification of Real-Time Communications. IEEE Transactions on Network and Service Management, 2022, 19, 4676-4690.	4.9	3
56	Semi-Automatic Ontology Construction by Exploiting Functional Dependencies and Association Rules. International Journal on Semantic Web and Information Systems, 2011, 7, 1-22.	5.1	2
57	Frequent weighted itemset mining from gene expression data. , 2013, , .		2
58	A Review of Scalable Approaches for Frequent Itemset Mining. Communications in Computer and Information Science, 2015, , 243-247.	0.5	2
59	Characterization and search of web services through intensional knowledge. Journal of Intelligent Information Systems, 2016, 47, 375-401.	3.9	2
60	Effective video hyperlinking by means of enriched feature sets and monomodal query combinations. International Journal of Multimedia Information Retrieval, 2020, 9, 215-227.	5.2	2
61	An explainable data-driven approach to web directory taxonomy mapping. Procedia Computer Science, 2020, 176, 1101-1110.	2.0	2
62	Price series cross-correlation analysis to enhance the diversification of itemset-based stock portfolios. , 2020, , .		2
63	Retina: An open-source tool for flexible analysis of RTC traffic. Computer Networks, 2022, 202, 108637.	5.1	2
64	Discovering air quality patterns in urban environments. , 2016, , .		1
65	Mining Rare Association Rules by Discovering Quasi-Functional Dependencies. , 2010, , 131-149.		1
66	Semi-Automatic Ontology Construction by Exploiting Functional Dependencies and Association Rules. , 2013, , 76-96.		1
67	Soft real-time view management. , 2008, , .		0
68	Structured data classification by means of matrix factorization. , 2011, , .		0
69	Using Mined Patterns for XML Query Answering. , 2008, , 39-66.		0
70	Selection of High Quality Rules in Associative Classification. , 2009, , 173-198.		0
71	Hadoop on a Low-Budget General Purpose HPC Cluster in Academia. Advances in Intelligent Systems and Computing, 2014, , 187-192.	0.6	0
72	Combining Machine Learning and Natural Language Processing for Language-Specific, Multi-Lingual, and Cross-Lingual Text Summarization. Advances in Data Mining and Database Management Book Series, 2020, , 1-31.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Discovering Higher Level Correlations from XML Data. Advances in Data Mining and Database Management Book Series, 0, , 288-315.	0.5	0