Wagner Meira Jr

List of Publications by Year
in descending order

190 papers	3,881 citations	279798 23 h-index	289244 40 g-index
200 all docs	200 docs citations	200 times ranked	3327 citing authors

#	Article	IF	Citations
1	Automatic diagnosis of the 12-lead ECG using a deep neural network. Nature Communications, 2020, 11, 1760.	12.8	351
2	Studying User Footprints in Different Online Social Networks. , 2012, , .		157
3	Watch me playing, i am a professional. , 2012, , .		151
4	Dengue surveillance based on a computational model of spatio-temporal locality of Twitter. , 2011, , .		139
5	Lazy Associative Classification. , 2006, , .		124
6	Limiting the power consumption of main memory. , 2007, , .		110
7	A hierarchical characterization of a live streaming media workload. , 2002, , .		105
8	The Evolution of Bashlite and Mirai IoT Botnets. , 2018, , .		95
9	Mining attribute-structure correlated patterns in large attributed graphs. Proceedings of the VLDB Endowment, 2012, 5, 466-477.	3.8	92
10	Word co-occurrence features for text classification. Information Systems, 2011, 36, 843-858.	3.6	85
11	Distance-based outlier detection. Proceedings of the VLDB Endowment, 2010, 3, 1469-1480.	3.8	83
12	Protein cutoff scanning: A comparative analysis of cutoff dependent and cutoff free methods for prospecting contacts in proteins. Proteins: Structure, Function and Bioinformatics, 2009, 74, 727-743.	2.6	80
13	From bias to opinion. , 2011, , .		77
14	Divergence Analysis and Optimizations. , 2011, , .		71
15	Dengue prediction by the web: Tweets are a useful tool for estimating and forecasting Dengue at country and city level. PLoS Neglected Tropical Diseases, 2017, 11, e0005729.	3.0	70
16	Factors Associated With Weight Change in Online Weight Management Communities: A Case Study in the LoseIt Reddit Community. Journal of Medical Internet Research, 2017, 19, e17.	4.3	65
17	Coordinating the use of GPU and CPU for improving performance of compute intensive applications. , 2009, , .		59
18	It is Not Just a Picture: Revealing Some User Practices in Instagram. , 2014, , .		59

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19	Cutoff Scanning Matrix (CSM): structural classification and function prediction by protein inter-residue distance patterns. BMC Genomics, 2011, 12, S12.	2.8	58
20	Is There a Best Quality Metric for Graph Clusters?. Lecture Notes in Computer Science, 2011, , 44-59.	1.3	52
21	aCSM: noise-free graph-based signatures to large-scale receptor-based ligand prediction. Bioinformatics, 2013, 29, 855-861.	4.1	52
22	Learning to rank at query-time using association rules. , 2008, , .		48
23	A hierarchical and multiscale approach to analyze E-business workloads. Performance Evaluation, 2003, 54, 33-57.	1.2	47
24	Cost-effective on-demand associative author name disambiguation. Information Processing and Management, 2012, 48, 680-697.	8.6	44
25	Deployment of roadside units based on partial mobility information. Computer Communications, 2015, 60, 28-39.	5.1	43
26	Fractal. , 2019, , .		43
27	VM-based shared memory on low-latency, remote-memory-access networks. , 1997, , .		42
28	Analyzing Right-wing YouTube Channels. , 2018, , .		42
29	An Integrated Big and Fast Data Analytics Platform for Smart Urban Transportation Management. IEEE Access, 2019, 7, 117652-117677.	4.2	42
30	Modeling and Analyzing the Video Game Live-Streaming Community. , 2014, , .		39
31	Parallel and Distributed Methods for Incremental Frequent Itemset Mining. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 2439-2450.	5.0	38
32	Workload models of spam and legitimate e-mails. Performance Evaluation, 2007, 64, 690-714.	1.2	34
33	From an artificial neural network to a stock market day-trading system: A case study on the BM&F BOVESPA. , 2009, , .		32
34	Performance evaluation of GPU parallelization, space–time adaptive algorithms, and their combination for simulating cardiac electrophysiology. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2913.	2.1	32
35	Set-based vector model. ACM Transactions on Information Systems, 2005, 23, 397-429.	4.9	31
36	Effective sentiment stream analysis with self-augmenting training and demand-driven projection. , 2011, , .		31

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37	Sentiment analysis on evolving social streams. , 2014, , .		30
38	Designing mobile content delivery networks for the internet of vehicles. Vehicular Communications, 2017, 8, 45-55.	4.0	30
39	Aggregating productivity indices for ranking researchers across multiple areas. , 2013, , .		29
40	Multi-label Lazy Associative Classification. Lecture Notes in Computer Science, 2007, , 605-612.	1.3	28
41	Anteater: A Service-Oriented Architecture for High-Performance Data Mining. IEEE Internet Computing, 2006, 10, 36-43.	3.3	27
42	Non-Intrusive Planning the Roadside Infrastructure for Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 938-947.	8.0	27
43	Approximate similarity search for online multimedia services on distributed CPU–GPU platforms. VLDB Journal, 2014, 23, 427-448.	4.1	25
44	Understanding temporal aspects in document classification. , 2008, , .		24
45	Calibrated lazy associative classification. Information Sciences, 2011, 181, 2656-2670.	6.9	23
46	Evaluating the Performance of Heterogeneous Vehicular Networks. , 2015, , .		23
47	BIGSEA: A Big Data analytics platform for public transportation information. Future Generation Computer Systems, 2019, 96, 243-269.	7.5	23
48	Towards automatic diagnosis of rheumatic heart disease on echocardiographic exams through video-based deep learning. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1834-1842.	4.4	23
49	Multi-evidence, multi-criteria, lazy associative document classification. , 2006, , .		21
50	Temporally-aware algorithms for document classification. , 2010, , .		21
51	Smart Traffic Light for Low Traffic Conditions. Mobile Networks and Applications, 2015, 20, 285-293.	3.3	21
52	A characterization of broadband user behavior and their e-business activities. Performance Evaluation Review, 2004, 32, 3-13.	0.6	21
53	Exploring multiple evidence to infer users' location in Twitter. Neurocomputing, 2016, 171, 30-38.	5.9	20
54	Pilot study GLIM criteria for categorization of a malnutrition diagnosis of patients undergoing elective gastrointestinal operations: A pilot study of applicability and validation. Nutrition, 2020, 79-80, 110961.	2.4	20

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55	Tuning Genetic Programming parameters with factorial designs. , 2010, , .		19
56	Measuring, Characterizing, and Avoiding Spam Traffic Costs. IEEE Internet Computing, 2016, 20, 16-24.	3.3	18
57	Quantifying the performability of cluster-based services. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 456-467.	5.6	17
58	Exploiting temporal contexts in text classification. , 2008, , .		17
59	Where did I get dengue? Detecting spatial clusters of infection risk with social network data. Spatial and Spatio-temporal Epidemiology, 2019, 29, 163-175.	1.7	17
60	Set-based model. , 2002, , .		16
61	Lazy Associative Classification for Content-based Spam Detection. , 2006, , .		15
62	Simulations of Complex and Microscopic Models of Cardiac Electrophysiology Powered by Multi-GPU Platforms. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-13.	1.3	15
63	Assessing the profile of top Brazilian computer science researchers. Scientometrics, 2015, 103, 879-896.	3.0	15
64	Design of roadside communication infrastructure with QoS guarantees. , 2015, , .		14
65	Learning sequential classifiers from long and noisy discrete-event sequences efficiently. Data Mining and Knowledge Discovery, 2015, 29, 1685-1708.	3.7	14
66	Tree Projection-Based Frequent Itemset Mining on Multicore CPUs and GPUs. , 2010, , .		13
67	An Unsupervised Boosting Strategy for Outlier Detection Ensembles. Lecture Notes in Computer Science, 2018, , 564-576.	1.3	13
68	Fairness and Transparency of Machine Learning for Trustworthy Cloud Services. , 2018, , .		13
69	Parallel and Distributed Frequent Itemset Mining on Dynamic Datasets. Lecture Notes in Computer Science, 2003, , 184-193.	1.3	12
70	A Scalable Parallel Deduplication Algorithm. , 2007, , .		12
71	Community-based endogamy as an influence indicator. , 2014, , .		12
72	Economically-efficient sentiment stream analysis. , 2014, , .		12

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73	An architecture integrating stationary and mobile roadside units for providing communication on intelligent transportation systems. , 2016, , .		12
74	Lemonade: A Scalable and Efficient Spark-Based Platform for Data Analytics. , 2017, , .		12
75	Federated and secure cloud services for building medical image classifiers on an intercontinental infrastructure. Future Generation Computer Systems, 2020, 110, 119-134.	7.5	12
76	ParTriCluster: A Scalable Parallel Algorithm for Gene Expression Analysis. , 2006, , .		11
77	A Two-Stage Machine learning approach for temporally-robust text classification. Information Systems, 2017, 69, 40-58.	3.6	11
78	Asynchronous and Anticipatory Filter-Stream Based Parallel Algorithm for Frequent Itemset Mining. Lecture Notes in Computer Science, 2004, , 422-433.	1.3	10
79	Achieving Multi-Level Parallelism in the Filter-Labeled Stream Programming Model. , 2008, , .		10
80	Uncovering the Location of Twitter Users. , 2013, , .		10
81	Design of roadside infrastructure for information dissemination in vehicular networks. , 2014, , .		10
82	The ParTriCluster Algorithm for Gene Expression Analysis. International Journal of Parallel Programming, 2008, 36, 226-249.	1.5	9
83	Comparing CUDA, OpenCL and OpenGL Implementations of the Cardiac Monodomain Equations. Lecture Notes in Computer Science, 2012, , 111-120.	1.3	9
84	Profiling divergences in GPU applications. Concurrency Computation Practice and Experience, 2013, 25, 775-789.	2.2	9
85	Detecting Spatial Clusters of Disease Infection Risk Using Sparsely Sampled Social Media Mobility Patterns. , 2019, , .		9
86	A Big Data Architecture for Security Data and Its Application to Phishing Characterization. , 2016, , .		8
87	A quantitative analysis of the temporal effects on automatic text classification. Journal of the Association for Information Science and Technology, 2016, 67, 1639-1667.	2.9	8
88	PRIVAaaS: Privacy Approach for a Distributed Cloud-Based Data Analytics Platforms. , 2017, , .		8
89	Enhancement of Epidemiological Models for Dengue Fever Based on Twitter Data. , 2017, , .		8
90	Managing Infrastructure-Based Vehicular Networks. , 2015, , .		7

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91	An Accurate Gaussian Process-Based Early Warning System for Dengue Fever. , 2016, , .		7
92	Provider-Consumer Anomaly Detection for Healthcare Systems. , 2017, , .		7
93	Identifying Networks Vulnerable to IP Spoofing. IEEE Transactions on Network and Service Management, 2021, 18, 3170-3183.	4.9	7
94	A Characterization of Load Balancing on the IPv6 Internet. Lecture Notes in Computer Science, 2017, , 242-254.	1.3	7
95	Isofunctional Protein Subfamily Detection Using Data Integration and Spectral Clustering. PLoS Computational Biology, 2016, 12, e1005001.	3.2	7
96	A contact map matching approach to protein structure similarity analysis. Genetics and Molecular Research, 2006, 5, 284-308.	0.2	7
97	VM-based shared memory on low-latency, remote-memory-access networks. Computer Architecture News, 1997, 25, 157-169.	2.5	6
98	The influence of geographical and cultural issues on the cache proxy server workload. Computer Networks, 1998, 30, 601-603.	1.0	6
99	An Efficient and Reliable Scientific Workflow System. , 2007, , .		6
100	Temporal contexts: Effective text classification in evolving document collections. Information Systems, 2013, 38, 388-409.	3.6	6
101	VERMONT: Visualizing mutations and their effects on protein physicochemical and topological property conservation. BMC Proceedings, 2014, 8, S4.	1.6	6
102	Thread scheduling and memory coalescing for dynamic vectorization of SPMD workloads. Parallel Computing, 2014, 40, 548-558.	2.1	6
103	Generating Cohesive Semantic Topics from Latent Factors. , 2014, , .		6
104	Infection Hot Spot Mining from Social Media Trajectories. Lecture Notes in Computer Science, 2016, , 739-755.	1.3	6
105	An Evolutionary Methodology for Handling Data Scarcity and Noise in Monitoring Real Events from Social Media Data. Lecture Notes in Computer Science, 2014, , 295-306.	1.3	6
106	Reactivity-based Scheduling Approaches For Internet Services. , 2006, , .		5
107	Multi-Level Parallelism for the Cardiac Bidomain Equations. International Journal of Parallel Programming, 2009, 37, 572-592.	1.5	5
108	ENZYMAP: Exploiting Protein Annotation for Modeling and Predicting EC Number Changes in UniProt/Swiss-Prot. PLoS ONE, 2014, 9, e89162.	2.5	5

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109	PDBest: a userâ€"friendly platform for manipulating and enhancing protein structures: Fig. 1.. Bioinformatics, 2015, 31, 2894-2896.	4.1	5
110	Using the inter-contact time for planning the communication infrastructure in vehicular networks. , 2016, , .		5
111	Diagnosing Performance Bottlenecks in Massive Data Parallel Programs. , 2016, , .		5
112	AnthillSched: A Scheduling Strategy for Irregular and Iterative I/O-Intensive Parallel Jobs. Lecture Notes in Computer Science, 2005, , 108-122.	1.3	5
113	Efficiently Mining Approximate Models of Associations in Evolving Databases. Lecture Notes in Computer Science, 2002, , 435-448.	1.3	5
114	Upgrading a high performance computing environment for massive data processing. Journal of Internet Services and Applications, 2019, 10, .	2.1	5
115	Scalable and efficient data analytics and mining with lemonade. Proceedings of the VLDB Endowment, 2018, 11, 2070-2073.	3.8	5
116	Outlier detection in graphs: A study on the impact of multiple graph models. Computer Science and Information Systems, 2019, 16, 565-595.	1.0	5
117	Analyzing robot behavior in e-business sites. Performance Evaluation Review, 2001, 29, 338-339.	0.6	4
118	Semi-supervised genetic programming for classification. , 2011, , .		4
119	Watershed: A High Performance Distributed Stream Processing System. , 2011, , .		4
120	Analyzing the Coauthorship Networks of Latin American Computer Science Research Groups. , 2014, , .		4
121	Identifying and Characterizing Bashlite and Mirai C&C Servers. , 2019, , .		4
122	Design and Implementation of a Tool for Measuring the Performance of Complex E-commerce Sites. Lecture Notes in Computer Science, 2000, , 309-323.	1.3	4
123	Enhancing the Set-Based Model Using Proximity Information. Lecture Notes in Computer Science, 2002, , 104-116.	1.3	4
124	Semantic Academic Profiler (SAP): a framework for researcher assessment based on semantic topic modeling. Scientometrics, 2022, 127, 5005-5026.	3.0	4
125	Multi-level Parallelism in the Computational Modeling of the Heart. , 2007, , .		3
126	Using linear algebra for protein structural comparison and classification. Genetics and Molecular Biology, 2009, 32, 645-651.	1.3	3

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127	Adaptive parallel approximate similarity search for responsive multimedia retrieval. , 2011, , .		3
128	ADVISe: Visualizing the dynamics of enzyme annotations in UniProt/Swiss-Prot. , 2012, , .		3
129	Complete discovery of high-quality patterns in large numerical tensors. , 2014, , .		3
130	What surprises does your past have for you?. Information Systems, 2017, 71, 137-151.	3.6	3
131	A Formal Methodology to Specify E-commerce Systems. Lecture Notes in Computer Science, 2002, , 180-191.	1.3	3
132	Social Determinants in Self-Protective Behavior Related to COVID-19: Association Rule–Mining Study. JMIR Public Health and Surveillance, 2022, 8, e34020.	2.6	3
133	Reactivity based model to study online auctions dynamics. Information Technology and Management, 2009, 10, 21.	2.4	2
134	CredibilityRank: A Framework for the Design and Evaluation of Rank-based Credibility Models for Web Applications. , 2010, , .		2
135	Mining redundant industrial alarm occurrences with association rules extraction and complex networks modeling. Journal of Computational Methods in Sciences and Engineering, 2011, 11, S15-S28.	0.2	2
136	Data and Instruction Uniformity in Minimal Multi-threading. , 2012, , .		2
137	Neighborhoods and bands: an analysis of the origins of spam. Journal of Internet Services and Applications, 2015, 6, .	2.1	2
138	Dynamic Reconfiguration of Data Parallel Programs. , 2016, , .		2
139	Watershed–ng: an extensible distributed stream processing framework. Concurrency Computation Practice and Experience, 2016, 28, 2487-2502.	2.2	2
140	Graph Pattern Mining and Learning through User-Defined Relations. , 2018, , .		2
141	Janus: Diagnostics and reconfiguration of data parallel programs. Journal of Parallel and Distributed Computing, 2018, 120, 196-210.	4.1	2
142	Efficient Parallel Associative Classification Based on Rules Memoization. Lecture Notes in Computer Science, 2019, , 31-44.	1.3	2
143	Reactivity in Online Auctions. Lecture Notes in Computer Science, 2006, , 909-918.	1.3	2
144	Demand-Driven Associative Classification. SpringerBriefs in Computer Science, 2011, , .	0.2	2

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145	An Adaptive Mesh Algorithm for the Numerical Solution of Electrical Models of the Heart. Lecture Notes in Computer Science, 2012, , 649-664.	1.3	2
146	Real World Association Rule Mining. Lecture Notes in Computer Science, 2002, , 77-89.	1.3	2
147	A Run-time System for Efficient Execution of Scientific Workflows on Distributed Environments. International Journal of Parallel Programming, 2008, 36, 250-266.	1.5	1
148	Characterizing On/Off Pattern of Broadband Internet Users. , 2008, , .		1
149	A Hadoop Extension to Process Mail Folders and its Application to a Spam Dataset. , 2014, , .		1
150	Watershed reengineering: Making Streams Programmable. , 2014, , .		1
151	Efficient Remapping of Internet Routing Events. , 2016, , .		1
152	Portinari: A Data Exploration Tool to Personalize Cervical Cancer Screening. , 2017, , .		1
153	Efficient Gaussian Process-Based Inference for Modelling Spatio-Temporal Dengue Fever. , 2017, , .		1
154	Experimental Evaluation of Crowdsourcing on the Characterization of Data Visualization Techniques. , 2017, , .		1
155	Ego-Centric Analysis of Supportive Networks. , 2018, , .		1
156	NetClass: A network-based relational model for document classification. Information Sciences, 2018, 469, 60-78.	6.9	1
157	Explaining End-to-End ECG Automated Diagnosis Using Contextual Features. Lecture Notes in Computer Science, 2021, , 204-219.	1.3	1
158	Multi-Label Associative Classification. SpringerBriefs in Computer Science, 2011, , 53-59.	0.2	1
159	Quantifying the Impact of Information Aggregation on Complex Networks: A Temporal Perspective. Lecture Notes in Computer Science, 2009, , 50-61.	1.3	1
160	Uma Estratégia Baseada em Difusão de Informação para Determinação de Conteúdos Relevantes e Usuários Influentes em Redes Sociais. Revista De Informatica Teorica E Aplicada, 2013, 20, 183.	0.2	1
161	Sequential stratified regeneration: MCMC for large state spaces with an application to subgraph count estimation. Data Mining and Knowledge Discovery, 2022, 36, 414-447.	3.7	1
162	Correlations between Web Searches and COVID-19 Epidemiological Indicators in Brazil. Brazilian Archives of Biology and Technology, 0, 65, .	0.5	1

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163	Fault-tolerance in filter-labeled-stream applications. , 2007, , .		0
164	Reactivity in Online Auctions: Understanding Bidding Behavior through Reactive Transitions. , 2008, , .		0
165	Anteater: Service-Oriented Data Mining. , 2009, , 179-199.		0
166	Competenceâ€conscious associative classification. Statistical Analysis and Data Mining, 2009, 2, 361-377.	2.8	0
167	Temporal Analysis of Seller Profiles in Electronic Markets. , 2009, , .		0
168	Selling Practices in Online Fixed-Price Marketplaces. , 2009, , .		0
169	Analyzing user profiles in electronic markets. , 2010, , .		0
170	Assessing documents' credibility with genetic programming. , 2011, , .		0
171	New evolutionary approaches to high-dimensional data. , 2012, , .		0
172	Special Issue on Computer Architecture and High-Performance Computing. International Journal of Parallel Programming, 2012, 40, 259-261.	1.5	0
173	Neighborhoods or Condominiums: An Analysis of the Origin of Spam Based on the Organization of Autonomous Systems. , 2014, , .		0
174	Planning the communication infrastructure for vehicular networks without tracking vehicles. , 2015, , .		0
175	A Spam Traffic Cost Analysis for Network Operators. , 2015, , .		0
176	SpamBands: a Methodology to Identify Sources of Spam Acting in Concert. IEEE Latin America Transactions, 2016, 14, 2987-2996.	1.6	0
177	Complexity-Aware Assignment of Latent Values in Discriminative Models for Accurate Gesture Recognition. , 2016, , .		0
178	Faster: A Low Overhead Framework for Massive Data Analysis. , 2016, , .		0
179	Online Orthogonal Regression Based on a Regularized Squared Loss. , 2018, , .		0
180	EUBra-BIGSEA, A Cloud-Centric Big Data Scientific Research Platform. , 2018, , .		0

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181	Space-Time Drift Point Detection in Mobility Patterns. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-24.	1.4	0
182	ECG-AGE FROM ARTIFICIAL INTELLIGENCE: A NEW PREDICTOR FOR MORTALITY? THE CODE (CLINICAL) Tj ETQq0 0 0 rgBT /Overlock 10 T 2020, 75, 3672.	2.8	0
183	Using quantitative information for efficient association rule generation. Journal of the Brazilian Computer Society, 2000, 7, 35-42.	1.3	0
184	Modeling web site personalization strategies. Journal of the Brazilian Computer Society, 2002, 8, 44-53.	1.3	0
185	Calibrated Associative Classification. SpringerBriefs in Computer Science, 2011, , 75-86.	0.2	0
186	Demand-Driven Associative Classification. SpringerBriefs in Computer Science, 2011, , 39-49.	0.2	0
187	Associative Classification. SpringerBriefs in Computer Science, 2011, , 21-37.	0.2	0
188	Competenceâ€"Conscious Associative Classification. SpringerBriefs in Computer Science, 2011, , 61-73.	0.2	0
189	An End User Development Model to Augment Usability of Rule Association Mining Systems. International Federation for Information Processing, 2008, , 161-174.	0.4	0
190	Characterizing and understanding ensemble-based anomaly-detection. , 0, , .		0