Andreas Hotho

List of Publications by Year
in descending order

77 papers	2,436 citations	471509 17 h-index	243625 44 g-index
79 all docs	79 docs citations	79 times ranked	1793 citing authors

#	Article	IF	Citations
1	Information Retrieval in Folksonomies: Search and Ranking. Lecture Notes in Computer Science, 2006, , 411-426.	1.3	538
2	A survey of network-based intrusion detection data sets. Computers and Security, 2019, 86, 147-167.	6.0	417
3	Semantic Grounding of Tag Relatedness in Social Bookmarking Systems. Lecture Notes in Computer Science, 2008, , 615-631.	1.3	135
4	Flow-based network traffic generation using Generative Adversarial Networks. Computers and Security, 2019, 82, 156-172.	6.0	111
5	Comparison of Non-Invasive Individual Monitoring of the Training and Health of Athletes with Commercially Available Wearable Technologies. Frontiers in Physiology, 2016, 7, 71.	2.8	110
6	The social bookmark and publication management system bibsonomy. VLDB Journal, 2010, 19, 849-875.	4.1	99
7	Stop thinking, start tagging. , 2010, , .		64
8	Awareness and Learning in Participatory Noise Sensing. PLoS ONE, 2013, 8, e81638.	2.5	61
9	Trend Detection in Folksonomies. Lecture Notes in Computer Science, 2006, , 56-70.	1.3	54
10	Social Tagging Recommender Systems. , 2011, , 615-644.		51
11	IP2Vec: Learning Similarities Between IP Addresses. , 2017, , .		46
12	The social distributional hypothesis: a pragmatic proxy for homophily in online social networks. Social Network Analysis and Mining, 2014, 4, 1.	2.8	45
13	Density-based weighting for imbalanced regression. Machine Learning, 2021, 110, 2187-2211.	5.4	42
14	HypTrails. , 2015, , .		41
15	Ubicon and its applications for ubiquitous social computing. New Review of Hypermedia and Multimedia, 2014, 20, 53-77.	1.1	35
16	Enhancing Social Interactions at Conferences. IT - Information Technology, 2011, 53, 101-107.	0.9	32
17	Detection of slow port scans in flow-based network traffic. PLoS ONE, 2018, 13, e0204507.	2.5	30
18	A Bayesian Method for Comparing Hypotheses About Human Trails. ACM Transactions on the Web, 2017, 11, 1-29.	2.5	27

#	Article	IF	Citations
19	Media Bias in German Online Newspapers. , 2015, , .		25
20	A Case Study on Sampling Strategies for Evaluating Neural Sequential Item Recommendation Models. , 2021, , .		23
21	Sedentary Behavior among National Elite Rowers during Off-Training—A Pilot Study. Frontiers in Physiology, 2017, 8, 655.	2.8	22
22	Participatory Patterns in an International Air Quality Monitoring Initiative. PLoS ONE, 2015, 10, e0136763.	2.5	22
23	Testing and evaluating tag recommenders in a live system. , 2009, , .		21
24	Computing Semantic Relatedness from Human Navigational Paths: A Case Study on Wikipedia. International Journal on Semantic Web and Information Systems, 2013, 9, 41-70.	5.1	21
25	Ubicon: Observing Physical and Social Activities. , 2012, , .		20
26	Mining Subgroups with Exceptional Transition Behavior. , 2016, , .		19
27	Logsonomy - social information retrieval with logdata. , 2008, , .		17
28	OpenLUR: Off-the-shelf air pollution modeling with open features and machine learning. Atmospheric Environment, 2020, 233, 117535.	4.1	17
29	Emote-Controlled. ACM Transactions on Social Computing, 2020, 3, 1-34.	2.5	17
30	A Comparison of Social Bookmarking with Traditional Search. , 2008, , 101-113.		16
31	Accessing Information with Tags: Search and Ranking. Lecture Notes in Computer Science, 2018, , 310-343.	1.3	11
32	Self-Supervised Multi-Task Pretraining Improves Image Aesthetic Assessment. , 2021, , .		11
33	Integrating Keywords into BERT4Rec for Sequential Recommendation. Lecture Notes in Computer Science, 2020, , 275-282.	1.3	11
34	Photowalking the City: Comparing Hypotheses About Urban Photo Trails on Flickr. Lecture Notes in Computer Science, 2015, , 227-244.	1.3	11
35	Time Series Forecasting for Self-Aware Systems. Proceedings of the IEEE, 2020, 108, 1068-1093.	21.3	11
36	Posted, visited, exported: Altmetrics in the social tagging system BibSonomy. Journal of Informetrics, 2016, 10, 732-749.	2.9	10

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37	Genre Classification on German Novels. , 2015, , .		9
38	Modeling and Extracting Load Intensity Profiles. , 2015, , .		9
39	Proximity dimensions and the emergence of collaboration: a HypTrails study on German AI research. Scientometrics, 2021, 126, 9847-9868.	3.0	9
40	Malware detection on windows audit logs using LSTMs. Computers and Security, 2021, 109, 102389.	6.0	9
41	A generic platform for ubiquitous and subjective data. , 2013, , .		8
42	A Toolset for Intrusion and Insider Threat Detection. Data Analytics, 2017, , 3-31.	0.8	7
43	Adaptive kNN using expected accuracy for classification of geo-spatial data. , 2018, , .		7
44	Evaluation of Post-hoc XAI Approaches Through Synthetic Tabular Data. Lecture Notes in Computer Science, 2020, , 422-430.	1.3	7
45	MapLUR. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-24.	1.4	7
46	Anomaly Detection in Beehives using Deep Recurrent Autoencoders. , 2020, , .		7
47	VizTrails. , 2015, , .		6
48	ConDist: A Context-Driven Categorical Distance Measure. Lecture Notes in Computer Science, 2015, , 251-266.	1.3	6
49	Text Categorization for Deriving the Application Quality in Enterprises Using Ticketing Systems. Lecture Notes in Computer Science, 2015, , 325-336.	1.3	6
50	SparkTrails. , 2016, , .		6
51	Towards Sentiment Analysis on German Literature. Lecture Notes in Computer Science, 2017, , 387-394.	1.3	6
52	LM4KG: Improving Common Sense Knowledge Graphs with Language Models. Lecture Notes in Computer Science, 2020, , 456-473.	1.3	6
53	Extracting Semantics from Unconstrained Navigation on Wikipedia. KI - Kunstliche Intelligenz, 2016, 30, 163-168.	3.2	5
54	MixedTrails: Bayesian hypothesis comparison on heterogeneous sequential data. Data Mining and Knowledge Discovery, 2017, 31, 1359-1390.	3.7	5

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55	Comparison of System Call Representations for Intrusion Detection. Advances in Intelligent Systems and Computing, 2020, , 14-24.	0.6	5
56	iNALU: Improved Neural Arithmetic Logic Unit. Frontiers in Artificial Intelligence, 2020, 3, 71.	3.4	5
57	Smartwatch-Derived Data and Machine Learning Algorithms Estimate Classes of Ratings of Perceived Exertion in Runners: A Pilot Study. Sensors, 2020, 20, 2637.	3.8	5
58	On the right track! Analysing and Predicting Navigation Success in Wikipedia. , 2019, , .		5
59	Computing semantic relatedness from human navigational paths on Wikipedia. , 2013, , .		4
60	On Publication Usage in a Social Bookmarking System. , 2015, , .		4
61	MicroTrails. , 2015, , .		4
62	Where to Submit? Helping Researchers to Choose the Right Venue. , 2020, , .		4
63	What Users Actually Do in a Social Tagging System. ACM Transactions on the Web, 2016, 10, 1-32.	2.5	3
64	Financial Fraud Detection with Improved Neural Arithmetic Logic Units. Lecture Notes in Computer Science, 2021, , 40-54.	1.3	3
65	Evaluating the multi-task learning approach for land use regression modelling of air pollution. Journal of Physics: Conference Series, 2021, 1834, 012004.	0.4	3
66	FolkTrails. , 2016, , .		3
67	Detecting Scenes in Fiction: A new Segmentation Task. , 2021, , .		3
68	ClaiRE at SemEval-2018 Task 7: Classification of Relations using Embeddings. , 2018, , .		3
69	Managing publications and bookmarks with BibSonomy. , 2009, , .		2
70	Mining social semantics on the social web. Semantic Web, 2017, 8, 623-624.	1.9	2
71	The Impact of Different System Call Representations on Intrusion Detection. Logic Journal of the IGPL, 2022, 30, 239-251.	1.5	2
72	SimLoss: Class Similarities in Cross Entropy. Lecture Notes in Computer Science, 2020, , 431-439.	1.3	2

#	Article	IF	Citations
73	How social is social tagging?. , 2014, , .		1
74	Semi-Supervised Learning for Grain Size Distribution Interpolation. Lecture Notes in Computer Science, 2021, , 34-44.	1.3	1
75	Team Xenophilius Lovegood at SemEval-2019 Task 4: Hyperpartisanship Classification using Convolutional Neural Networks. , 2019, , .		1
76	Semi-unsupervised Learning: An In-depth Parameter Analysis. Lecture Notes in Computer Science, 2021, , 51-66.	1.3	0
77	Comparing Hypotheses About Sequential Data: A Bayesian Approach and Its Applications. Lecture Notes in Computer Science, 2017, , 354-357.	1.3	0