

Gerd Stumme

List of Publications by Year in descending order

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134
papers

4,954
citations

172207

29
h-index

118652

62
g-index

146
all docs

146
docs citations

146
times ranked

2198
citing authors

#	ARTICLE	IF	CITATIONS
1	Boolean Substructures in Formal Concept Analysis. Lecture Notes in Computer Science, 2021, , 38-53.	1.0	1
2	Force-Directed Layout of Order Diagrams Using Dimensional Reduction. Lecture Notes in Computer Science, 2021, , 224-240.	1.0	1
3	Proximity dimensions and the emergence of collaboration: a HypTrails study on German AI research. Scientometrics, 2021, 126, 9847-9868.	1.6	9
4	Topic space trajectories. Scientometrics, 2021, 126, 5759.	1.6	1
5	Attribute Selection Using Contranominal Scales. Lecture Notes in Computer Science, 2021, , 127-141.	1.0	2
6	Null Models for Formal Contexts. Information (Switzerland), 2020, 11, 135.	1.7	2
7	Orometric Methods in Bounded Metric Data. Lecture Notes in Computer Science, 2020, , 496-508.	1.0	2
8	Social studies of scholarly life with sensor-based ethnographic observations. Scientometrics, 2019, 119, 1387-1428.	1.6	7
9	Relevant Attributes in Formal Contexts. Lecture Notes in Computer Science, 2019, , 102-116.	1.0	5
10	Distances for wifi based topological indoor mapping. , 2019, , .		1
11	Analyzing group interaction on networks of face-to-face proximity using wearable sensors. , 2018, , .		7
12	Accessing Information with Tags: Search and Ranking. Lecture Notes in Computer Science, 2018, , 310-343.	1.0	11
13	Adaptive kNN using expected accuracy for classification of geo-spatial data. , 2018, , .		7
14	Frequent and/or Durable? The Predictive Impact of Initial Face-to-Face Contacts on the Formation and Evolution of Studentsâ€™ Developmental Peer Network Relationships. Psychology, 2018, 09, 633-654.	0.3	3
15	Prominence and Dominance in Networks. Lecture Notes in Computer Science, 2018, , 370-385.	1.0	4
16	Clones in Graphs. Lecture Notes in Computer Science, 2018, , 56-66.	1.0	1
17	Predicting Rising Follower Counts on Twitter Using Profile Information. , 2017, , .		7
18	Mining social media to inform peatland fire and haze disaster management. Social Network Analysis and Mining, 2017, 7, 1.	1.9	32

#	ARTICLE	IF	CITATIONS
19	Gender Inference using Statistical Name Characteristics in Twitter. , 2016, , .		13
20	Social event network analysis: Structure, preferences, and reality. , 2016, , .		6
21	Lifelong Learning and Collaboration of Smart Technical Systems in Open-Ended Environments – Opportunistic Collaborative Interactive Learning. , 2016, , .		11
22	Analyzing group interaction and dynamics on socio-behavioral networks of face-to-face proximity. , 2016, , .		4
23	Posted, visited, exported: Altmetrics in the social tagging system BibSonomy. Journal of Informetrics, 2016, 10, 732-749.	1.4	10
24	Formation and Temporal Evolution of Social Groups During Coffee Breaks. Lecture Notes in Computer Science, 2016, , 90-108.	1.0	0
25	The Role of Cores in Recommender Benchmarking for Social Bookmarking Systems. ACM Transactions on Intelligent Systems and Technology, 2016, 7, 1-33.	2.9	7
26	Is Web Content a Good Proxy for Real-Life Interaction?. , 2015, , .		13
27	On Publication Usage in a Social Bookmarking System. , 2015, , .		4
28	Participatory Patterns in an International Air Quality Monitoring Initiative. PLoS ONE, 2015, 10, e0136763.	1.1	22
29	On the predictability of talk attendance at academic conferences. , 2014, , .		12
30	On the evolution of social groups during coffee breaks. , 2014, , .		15
31	On the predictability of recurring links in networks of face-to-face proximity. , 2014, , .		5
32	Predicting the stability of user interaction ties in Twitter. , 2014, , .		0
33	The social distributional hypothesis: a pragmatic proxy for homophily in online social networks. Social Network Analysis and Mining, 2014, 4, 1.	1.9	45
34	Ubicon and its applications for ubiquitous social computing. New Review of Hypermedia and Multimedia, 2014, 20, 53-77.	0.9	35
35	Predictability of evolving contacts and triadic closure in human face-to-face proximity networks. Social Network Analysis and Mining, 2014, 4, 1.	1.9	10
36	Temporal evolution of contacts and communities in networks of face-to-face human interactions. Science China Information Sciences, 2014, 57, 1-17.	2.7	28

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37	Unsupervised and Hybrid Approaches for On-line RFID Localization with Mixed Context Knowledge. Lecture Notes in Computer Science, 2014, , 244-253.	1.0	3
38	Mining Social Links for Ubiquitous Knowledge Engineering. , 2014, , 109-129.		0
39	Connect-U: A System for Enhancing Social Networking. , 2014, , 261-275.		1
40	A generic platform for ubiquitous and subjective data. , 2013, , .		8
41	How do people link?. , 2013, , .		6
42	On the Evolution of Contacts and Communities in Networks of Face-to-Face Proximity. , 2013, , .		4
43	Semantics of User Interaction in Social Media. Studies in Computational Intelligence, 2013, , 13-25.	0.7	17
44	Anatomy of a conference. , 2012, , .		39
45	Leveraging publication metadata and social data into FolkRank for scientific publication recommendation. , 2012, , .		12
46	Ranking Given Names: Algorithms and Evaluation Paradigms. , 2012, , .		2
47	On the Predictability of Human Contacts: Influence Factors and the Strength of Stronger Ties. , 2012, , .		31
48	Ubicon: Observing Physical and Social Activities. , 2012, , .		20
49	Advanced Techniques. , 2012, , 43-74.		0
50	Offline Evaluation. , 2012, , 75-80.		1
51	Challenges in Tag Recommendations for Collaborative Tagging Systems. Intelligent Systems Reference Library, 2012, , 65-87.	1.0	9
52	Publication Analysis of the Formal Concept Analysis Community. Lecture Notes in Computer Science, 2012, , 77-95.	1.0	9
53	Face-to-Face Contacts at a Conference: Dynamics of Communities and Roles. Lecture Notes in Computer Science, 2012, , 21-39.	1.0	32
54	A Personality Based Design Approach Using Subgroup Discovery. Lecture Notes in Computer Science, 2012, , 259-266.	1.0	10

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55	Online Evaluation. , 2012, , 97-108.		0
56	Real World Social Tagging Recommender Systems. , 2012, , 83-95.		0
57	Baseline Techniques. , 2012, , 33-42.		2
58	Profile Mining in CVS-Logs and Face-to-Face Contacts for Recommending Software Developers. , 2011, , .		7
59	A Comparison of Content-Based Tag Recommendations in Folksonomy Systems. Lecture Notes in Computer Science, 2011, , 136-149.	1.0	16
60	Privacy-aware spam detection in social bookmarking systems. , 2011, , .		1
61	Enhancing Social Interactions at Conferences. IT - Information Technology, 2011, 53, 101-107.	0.6	32
62	Social Tagging Recommender Systems. , 2011, , 615-644.		51
63	One Tag to Bind Them All: Measuring Term Abstractness in Social Metadata. Lecture Notes in Computer Science, 2011, , 360-374.	1.0	10
64	Community Assessment Using Evidence Networks. Lecture Notes in Computer Science, 2011, , 79-98.	1.0	18
65	Resource-Aware On-line RFID Localization Using Proximity Data. Lecture Notes in Computer Science, 2011, , 129-144.	1.0	10
66	From Semantic Web Mining to Social and Ubiquitous Mining. , 2011, , 143-153.		0
67	Towards the ubiquitous Web. Semantic Web, 2010, 1, 117-119.	1.1	5
68	The social bookmark and publication management system bibsonomy. VLDB Journal, 2010, 19, 849-875.	2.7	99
69	Query Logs as Folksonomies. Datenbank-Spektrum, 2010, 10, 15-24.	1.2	14
70	Stop thinking, start tagging. , 2010, , .		64
71	Visit me, click me, be my friend. , 2010, , .		8
72	Publikationsmanagement mit BibSonomy -ein Social-Bookmarking-System für Wissenschaftler. Hmd, 2010, 47, 47-58.	0.3	0

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73	Evaluating similarity measures for emergent semantics of social tagging. , 2009, , .		186
74	Testing and evaluating tag recommenders in a live system. , 2009, , .		21
75	Managing publications and bookmarks with BibSonomy. , 2009, , .		2
76	Formal Concept Analysis. , 2009, , 177-199.		28
77	Social Bookmarking am Beispiel BibSonomy. X Media Press, 2009, , 363-391.	0.1	5
78	Discovering shared conceptualizations in folksonomies. Web Semantics, 2008, 6, 38-53.	2.2	98
79	Logsonomy - social information retrieval with logdata. , 2008, , .		17
80	Tag recommendations in social bookmarking systems. AI Communications, 2008, 21, 231-247.	0.8	115
81	A Comparison of Social Bookmarking with Traditional Search. , 2008, , 101-113.		16
82	Semantic Grounding of Tag Relatedness in Social Bookmarking Systems. Lecture Notes in Computer Science, 2008, , 615-631.	1.0	135
83	The anti-social tagger. , 2008, , .		64
84	Tag Recommendations in Folksonomies. Lecture Notes in Computer Science, 2007, , 506-514.	1.0	265
85	Analysis of the Publication Sharing Behaviour in BibSonomy. Lecture Notes in Computer Science, 2007, , 283-295.	1.0	9
86	TRIAS--An Algorithm for Mining Iceberg Tri-Lattices. IEEE International Conference on Data Mining, 2006, , .	0.0	75
87	Information Retrieval in Folksonomies: Search and Ranking. Lecture Notes in Computer Science, 2006, , 411-426.	1.0	538
88	Semantic Network Analysis of Ontologies. Lecture Notes in Computer Science, 2006, , 514-529.	1.0	46
89	Mining Association Rules in Folksonomies. , 2006, , 261-270.		104
90	Semantic Web Mining. State of the Art and Future Directions. SSRN Electronic Journal, 2006, , .	0.4	13

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91	Semantic Web Mining. <i>Web Semantics</i> , 2006, 4, 124-143.	2.2	187
92	Trend Detection in Folksonomies. <i>Lecture Notes in Computer Science</i> , 2006, , 56-70.	1.0	54
93	Content Aggregation on Knowledge Bases Using Graph Clustering. <i>Lecture Notes in Computer Science</i> , 2006, , 530-544.	1.0	2
94	Kollaboratives Wissensmanagement. , 2006, , 273-289.		1
95	Generating a Condensed Representation for Association Rules. <i>Journal of Intelligent Information Systems</i> , 2005, 24, 29-60.	2.8	154
96	Efficient Mining of Association Rules Based on Formal Concept Analysis. <i>Lecture Notes in Computer Science</i> , 2005, , 180-195.	1.0	55
97	A Finite State Model for On-Line Analytical Processing in Triadic Contexts. <i>Lecture Notes in Computer Science</i> , 2005, , 315-328.	1.0	19
98	A Roadmap for Web Mining: From Web to Semantic Web. <i>Lecture Notes in Computer Science</i> , 2004, , 1-22.	1.0	16
99	Semantic resource management for the web. , 2004, , .		62
100	Conceptual Knowledge Processing with Formal Concept Analysis and Ontologies. <i>Lecture Notes in Computer Science</i> , 2004, , 189-207.	1.0	66
101	Iceberg Query Lattices for Datalog. <i>Lecture Notes in Computer Science</i> , 2004, , 109-125.	1.0	5
102	Off to new shores: conceptual knowledge discovery and processing. <i>International Journal of Human Computer Studies</i> , 2003, 59, 287-325.	3.7	17
103	Conceptual knowledge discovery—a human-centered approach. <i>Applied Artificial Intelligence</i> , 2003, 17, 281-302.	2.0	20
104	Document retrieval for e-mail search and discovery using formal concept analysis. <i>Applied Artificial Intelligence</i> , 2003, 17, 257-280.	2.0	73
105	Explaining Text Clustering Results Using Semantic Structures. <i>Lecture Notes in Computer Science</i> , 2003, , 217-228.	1.0	44
106	Creation and Merging of Ontology Top-Levels. <i>Lecture Notes in Computer Science</i> , 2003, , 131-145.	1.0	23
107	KAON â€” Towards a Large Scale Semantic Web. <i>Lecture Notes in Computer Science</i> , 2002, , 304-313.	1.0	118
108	Towards Semantic Web Mining. <i>Lecture Notes in Computer Science</i> , 2002, , 264-278.	1.0	124

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109	Computing iceberg concept lattices with Titanic. Data and Knowledge Engineering, 2002, 42, 189-222.	2.1	336
110	Formal Concept Analysis on Its Way from Mathematics to Computer Science. Lecture Notes in Computer Science, 2002, , 2-19.	1.0	24
111	Efficient Data Mining Based on Formal Concept Analysis. Lecture Notes in Computer Science, 2002, , 534-546.	1.0	25
112	Using Ontologies and Formal Concept Analysis for Organizing Business Knowledge. , 2002, , 163-174.		15
113	Intelligent Structuring and Reducing of Association Rules with Formal Concept Analysis. Lecture Notes in Computer Science, 2001, , 335-350.	1.0	58
114	Reverse Pivoting in Conceptual Information Systems. Lecture Notes in Computer Science, 2001, , 202-215.	1.0	7
115	Mining frequent patterns with counting inference. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2000, 2, 66-75.	3.2	217
116	Mining Minimal Non-redundant Association Rules Using Frequent Closed Itemsets. Lecture Notes in Computer Science, 2000, , 972-986.	1.0	187
117	Conceptual Knowledge Discovery and Data Analysis. Lecture Notes in Computer Science, 2000, , 421-437.	1.0	47
118	CEM – A Conceptual Email Manager. Lecture Notes in Computer Science, 2000, , 438-452.	1.0	38
119	A Contextual-Logic Extension of TOSCANA. Lecture Notes in Computer Science, 2000, , 453-467.	1.0	30
120	Conceptual Information Systems Discussed through an IT-Security Tool. Lecture Notes in Computer Science, 2000, , 352-365.	1.0	7
121	CEM - A Program for Visualization and Discovery in Email. Lecture Notes in Computer Science, 2000, , 367-374.	1.0	13
122	Conceptual On-Line Analytical Processing. , 2000, , 191-203.		14
123	Conceptual Structures Represented by Conceptual Graphs and Formal Concept Analysis. Lecture Notes in Computer Science, 1999, , 423-441.	1.0	25
124	Acquiring Expert Knowledge for the Design of Conceptual Information Systems. Lecture Notes in Computer Science, 1999, , 275-290.	1.0	2
125	Numerical Aspects in the Data Model of Conceptual Information Systems. Lecture Notes in Computer Science, 1999, , 117-128.	1.0	8
126	Dual Retrieval in Conceptual Information Systems. Informatik Aktuell, 1999, , 328-342.	0.4	6

#	ARTICLE	IF	CITATIONS
127	Distributive concept exploration – A knowledge acquisition tool in formal concept analysis. Lecture Notes in Computer Science, 1998, , 117-128.	1.0	2
128	Conceptual Knowledge Discovery in Databases using formal concept analysis methods. Lecture Notes in Computer Science, 1998, , 450-458.	1.0	74
129	Concept exploration – A tool for creating and exploring conceptual hierarchies. Lecture Notes in Computer Science, 1997, , 318-331.	1.0	9
130	Free Distributive Completions of Partial Complete Lattices. Order, 1997, 14, 179-189.	0.3	1
131	The concept classification of a terminology extended by conjunction and disjunction. Lecture Notes in Computer Science, 1996, , 121-131.	1.0	12
132	Attribute Exploration with Background Implications and Exceptions. Studies in Classification, Data Analysis, and Knowledge Organization, 1996, , 457-469.	0.1	41
133	A geometrical heuristic for drawing concept lattices. Lecture Notes in Computer Science, 1995, , 452-459.	1.0	7
134	Discovering Shared Conceptualizations in Folksonomies. SSRN Electronic Journal, 0, , .	0.4	1