Peter W. Eklund

List of Publications by Year
in descending order

85 papers	1,271 citations	430442 18 h-index	433756 31 g-index
93 all docs	93 docs citations	93 times ranked	683 citing authors

#	Article	IF	Citations
1	A Lightweight and Attack-Proof Bidirectional Blockchain Paradigm for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 4371-4384.	5.5	33
2	A survey of pre-processing techniques to improve short-text quality: a case study on hate speech detection on twitter. Multimedia Tools and Applications, 2021, 80, 35239-35266.	2.6	51
3	Linked Data Triples Enhance Document Relevance Classification. Applied Sciences (Switzerland), 2021, 11, 6636.	1.3	3
4	Guest Editorial Computational Social Systems for COVID-19 Emergency Management and Beyond. IEEE Transactions on Computational Social Systems, 2021, 8, 928-929.	3.2	2
5	COVIDSenti: A Large-Scale Benchmark Twitter Data Set for COVID-19 Sentiment Analysis. IEEE Transactions on Computational Social Systems, 2021, 8, 1003-1015.	3.2	190
6	Conjunctive query pattern structures: A relational database model for Formal Concept Analysis. Discrete Applied Mathematics, 2020, 273, 144-171.	0.5	5
7	Biomedical Named-Entity Recognition by Hierarchically Fusing BioBERT Representations and Deep Contextual-Level Word-Embedding. , 2020, , .		26
8	Towards Improved Deep Contextual Embedding for the identification of Irony and Sarcasm. , 2020, , .		21
9	A Syndicated Adaptive News-feed: The Energy Hub. , 2020, , .		0
10	Adopting industry agile practices in large-scale capstone education. , 2020, , .		16
11	Factors that Impact Blockchain Scalability. , 2019, , .		21
12	Evolving in-game mood-expressive music with MetaCompose. , 2018, , .		10
13	Towards an experiment on perception of affective music generation using M eta C ompose. , 2018, , .		2
14	Affective evolutionary music composition with MetaCompose. Genetic Programming and Evolvable Machines, 2017, 18, 433-465.	1.5	23
15	Primal-improv: Towards co-evolutionary musical improvisation. , 2017, , .		1
16	Can you feel it?. , 2017, , .		6
17	Proof of Stake Blockchain. , 2017, , .		13
18	Context and Natural Language in Formal Concept Analysis. Lecture Notes in Computer Science, 2017, , 343-355.	1.0	0

#	ARTICLE	IF	CITATIONS
19	MetaCompose: A Compositional Evolutionary Music Composer. Lecture Notes in Computer Science, 2016, , 202-217.	1.0	29
20	Toward Real-Time Multi-criteria Decision Making for Bus Service Reliability Optimization. Lecture Notes in Computer Science, 2015, , 371-378.	1.0	0
21	Message from WeCA Track Chairs. , 2014, , .		0
22	Learning Diagnostic Diagrams in Transport-Based Data-Collection Systems. Lecture Notes in Computer Science, 2014, , 560-566.	1.0	2
23	Evolutionary simulation for a public transit digital ecosystem. , 2013, , .		0
24	Location Based Context-Aware Services in a Digital Ecosystem with Location Privacy. , 2013, , 151-175.		0
25	Toward real-time decision making for bus service reliability. , 2012, , .		3
26	Design, information organisation and the evaluation of the Virtual Museum of the Pacific digital ecosystem. Journal of Ambient Intelligence and Humanized Computing, 2012, 3, 265-280.	3.3	7
27	Concept similarity and related categories in information retrieval using formal concept analysis. International Journal of General Systems, 2012, 41, 826-846.	1.2	15
28	Location Based Context-Aware Services in a Digital Ecosystem with Location Privacy. Journal of Cases on Information Technology, 2011, 13, 49-68.	0.7	0
29	Exploring the Information Space of Cultural Collections Using Formal Concept Analysis. Lecture Notes in Computer Science, 2011, , 251-266.	1.0	6
30	Linking Objects and their Stories: An API For Exploring Cultural Heritage Using Formal Concept Analysis. Journal of Emerging Technologies in Web Intelligence, 2011, 3, .	0.6	0
31	Location privacy in a digital ecosystem for context-aware applications. , 2010, , .		2
32	A Survey of Hybrid Representations of Concept Lattices in Conceptual Knowledge Processing. Lecture Notes in Computer Science, 2010, , 296-311.	1.0	11
33	Information Retrieval and Social Tagging for Digital Libraries Using Formal Concept Analysis. , 2010, , .		8
34	Virtual museums and Web-based digital ecosystems. , 2010, , .		3
35	Designing the digital ecosystem of the virtual museum of the pacific. , 2009, , .		10
36	Web services and digital ecosystem support using formal concept analysis. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
37	Navigation and Annotation with Formal Concept Analysis. Lecture Notes in Computer Science, 2009, , 118-121.	1.0	6
38	Faceted Document Navigation. Chapman & Hall/CRC Studies in Informatics Series, 2009, , 245-272.	0.1	4
39	A diagrammatic reasoning system for the description logic. Journal of Visual Languages and Computing, 2008, 19, 539-573.	1.8	20
40	AN INTELLIGENT USER INTERFACE FOR BROWSING AND SEARCHING MPEG-7 IMAGES USING CONCEPT LATTICES. International Journal of Foundations of Computer Science, 2008, 19, 359-381.	0.8	17
41	Concept Similarity and Related Categories in SearchSleuth. Lecture Notes in Computer Science, 2008, , 255-268.	1.0	19
42	Data Mining for Soil Salinity Modeling. , 2008, , .		0
43	A framework for semantic interoperability in healthcare: a service oriented architecture based on health informatics standards. Studies in Health Technology and Informatics, 2008, 136, 759-64.	0.2	12
44	Citation Analysis using Formal Concept Analysis: A case study in Software Engineering. , 2007, , .		8
45	Semantology as Basis for Conceptual Knowledge Processing. , 2007, , 18-38.		5
46	Citation Analysis using Formal Concept Analysis: A case study in Software Engineering. Database and Expert Systems Applications (DEXA), Proceedings of the International Workshop on, 2007, , .	0.0	1
47	Custom Asymmetric Page Split Generalized Index Search Trees and Formal Concept Analysis. , 2007, , 82-97.		2
48	Spatial Indexing for Scalability in FCA. Lecture Notes in Computer Science, 2006, , 205-220.	1.0	3
49	Automated Layout of Small Lattices Using Layer Diagrams. Lecture Notes in Computer Science, 2006, , 291-305.	1.0	3
50	FCA-Based Browsing and Searching of a Collection of Images. Lecture Notes in Computer Science, 2006, , 203-214.	1.0	22
51	Asymmetric Page Split Generalized Index Search Trees for Formal Concept Analysis. Lecture Notes in Computer Science, 2006, , 218-227.	1.0	1
52	An Intelligent User Interface for Browsing and Searching MPEG-7 Images Using Concept Lattices. , 2006, , 1-21.		8
53	D-SIFT: A Dynamic Simple Intuitive FCA Tool. Lecture Notes in Computer Science, 2005, , 295-306.	1.0	3
54	Evaluation of Concept Lattices in a Web-Based Mail Browser. Lecture Notes in Computer Science, 2005, , 281-294.	1.0	1

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55	A Survey of Formal Concept Analysis Support for Software Engineering Activities. Lecture Notes in Computer Science, 2005, , 250-271.	1.0	78
56	Restructuring Help Systems Using Formal Concept Analysis. Lecture Notes in Computer Science, 2005, , 129-144.	1.0	4
57	Combining Spatial and Lattice-Based Information Landscapes. Lecture Notes in Computer Science, 2005, , 64-78.	1.0	2
58	Concept Lattices for Information Visualization: Can Novices Read Line-Diagrams?. Lecture Notes in Computer Science, 2004, , 57-73.	1.0	29
59	Browsing Semi-Structured Texts on the Web Using Formal Concept Analysis. , 2004, , 243-264.		5
60	A study of parameter values for a Mahalanobis Distance fuzzy classifier. Fuzzy Sets and Systems, 2003, 137, 191-213.	1.6	30
61	Document retrieval for e-mail search and discovery using formal concept analysis. Applied Artificial Intelligence, 2003, 17, 257-280.	2.0	73
62	Structured Ontology and Information Retrieval for Email Search and Discovery. Lecture Notes in Computer Science, 2002, , 75-84.	1.0	5
63	A distributed spatial architecture for bush fire simulation. International Journal of Geographical Information Science, 2001, 15, 363-378.	2.2	13
64	Large-scale cooperatively-built KBs. Lecture Notes in Computer Science, 2001, , 231-244.	1.0	6
65	Browsing Semi-structured Web texts using Formal Concept Analysis. Lecture Notes in Computer Science, 2001, , 319-332.	1.0	26
66	<title>Mining remote sensing image data: an integration of fuzzy set theory and image understanding techniques for environmental change detection</title>. , 2000, , .		5
67	Knowledge retrieval and the World Wide Web. IEEE Intelligent Systems, 2000, 15, 18-25.	0.2	64
68	A Contextual-Logic Extension of TOSCANA. Lecture Notes in Computer Science, 2000, , 453-467.	1.0	30
69	CEM - A Program for Visualization and Discovery in Email. Lecture Notes in Computer Science, 2000, , 367-374.	1.0	13
70	Embedding knowledge in Web documents. Computer Networks, 1999, 31, 1403-1419.	3.2	47
71	Scalability in Formal Concept Analysis. Computational Intelligence, 1999, 15, 11-27.	2.1	45
72	<title>Comparative study of public-domain supervised machine-learning accuracy on the UCI database</title>. , 1999, 3695, 39.		6

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73	Analyzing an Email Collection Using Formal Concept Analysis. Lecture Notes in Computer Science, 1999, , 309-315.	1.0	13
74	Embedding Knowledge in Web Documents: CGs versus XML-based Metadata Languages. Lecture Notes in Computer Science, 1999, , 230-246.	1.0	7
75	Algorithms for Creating Relational Power Context Families from Conceptual Graphs. Lecture Notes in Computer Science, 1999, , 389-400.	1.0	9
76	Data mining and soil salinity analysis. International Journal of Geographical Information Science, 1998, 12, 247-268.	2.2	36
77	WebKB-GE â€" A visual editor for canonical conceptual graphs. Lecture Notes in Computer Science, 1998, , 111-118.	1.0	4
78	Constructing conceptual scales in formal concept analysis. Lecture Notes in Computer Science, 1998, , 378-379.	1.0	5
79	Geographic Field Data Collection: Using machine learning techniques to verify minimum data requirements for the classification task.. Journal of Geography (Chigaku Zasshi), 1996, 105, 636-648.	0.1	0
80	APPLICATIONS OF FUZZY MATRICES IN AGRICULTURE. Advances in Fuzzy Systems, 1995, , 428-433.	8.7	0
81	Research developments in multiple inheritance with exceptions. Knowledge Engineering Review, 1994, 9, 21-55.	2.1	2
82	A measurement theory perspective for MCDM. , 0, , .		6
83	Selecting parameter values for mahalanobis distance fuzzy classifiers. , 0, , .		0
84	OntoRama: Browsing RDF ontologies using a hyperbolic-style browser. , 0, , .		32
85	Peer-to-Peer Based Ontology Editing. , 0, , .		5