Steffen Staab

List of Publications by Year
in descending order

118 papers	3,390 citations	201385 27 h-index	223531 46 g-index
130 all docs	130 docs citations	130 times ranked	2378 citing authors

#	Article	IF	Citations
1	ProGS: Property Graph Shapes Language. Lecture Notes in Computer Science, 2021, , 392-409.	1.0	0
2	Community-based k-shell decomposition for identifying influential spreaders. Pattern Recognition, 2021, 120, 108130.	5.1	18
3	Knowledge Graphs. Synthesis Lectures on Data, Semantics and Knowledge, 2021, 12, 1-257.	3.9	63
4	A semi-automated BPMN-based framework for detecting conflicts between security, data-minimization, and fairness requirements. Software and Systems Modeling, 2020, 19, 1191-1227.	2.2	22
5	Time-invariant degree growth in preferential attachment network models. Physical Review E, 2020, 101, 022309.	0.8	7
6	Analyzing the Influence of Hyper-parameters and Regularizers of Topic Modeling in Terms of Renyi Entropy. Entropy, 2020, 22, 394.	1.1	10
7	Deciding SHACL Shape Containment Through Description Logics Reasoning. Lecture Notes in Computer Science, 2020, , 366-383.	1.0	10
8	TAGSwipe: Touch Assisted Gaze Swipe for Text Entry. , 2020, , .		22
9	Leveraging Error Correction in Voice-based Text Entry by Talk-and-Gaze. , 2020, , .		7
10	GIUPlayer. , 2020, , .		0
11	Improving User Experience of Eye Tracking-Based Interaction. ACM Transactions on Computer-Human Interaction, 2019, 26, 1-46.	4.6	15
12	Impact of variable positioning of text prediction in gaze-based text entry. , 2019, , .		0
13	Impact of variable positioning of text prediction in gaze-based text entry. , 2019, , .		6
14	Type Checking Program Code Using SHACL. Lecture Notes in Computer Science, 2019, , 399-417.	1.0	4
15	Web science in Europe. Communications of the ACM, 2019, 62, 74-74.	3.3	1
16	Empirical study on the usage of graph query languages in open source Java projects. , 2019, , .		8
17	Semantic Query Integration With Reason. The Art Science and Engineering of Programming, 2019, 3, .	0.4	5
18	Concepts in Application Context. Lecture Notes in Computer Science, 2019, , 45-52.	1.0	1

#	Article	IF	Citations
19	TouchGazePath: Multimodal Interaction with Touch and Gaze Path for Secure Yet Efficient PIN Entry. , 2019, , .		5
20	Impact analysis of data placement strategies on query efforts in distributed RDF stores. Web Semantics, 2018, 50, 21-48.	2.2	8
21	Detecting hidden errors in an ontology using contextual knowledge. Expert Systems With Applications, 2018, 95, 312-323.	4.4	9
22	Model-based discrimination analysis. , 2018, , .		5
23	Hands-free web browsing. , 2018, , .		8
24	Storing and Querying Semantic Data in the Cloud. Lecture Notes in Computer Science, 2018, , 173-222.	1.0	5
25	Everybody Thinks Online Participation is Great - for Somebody Else. , 2018, , .		2
26	Enhanced representation of web pages for usability analysis with eye tracking. , 2018, , .		1
27	Enhanced representation of web pages for usability analysis with eye tracking. , 2018, , .		11
28	Understanding Social Networks Using Transfer Learning. Computer, 2018, 51, 52-60.	1.2	6
29	Decay of Relevance in Exponentially Growing Networks. , 2018, , .		6
30	GazeTheKey. , 2017, , .		11
31	Chromium based Framework to Include Gaze Interaction in Web Browser. , 2017, , .		24
32	On Broad Big Data. , 2017, , .		0
33	On data placement strategies in distributed RDF stores. , 2017, , .		3
34	Assessing the Usability of Gaze-Adapted Interface against Conventional Eye-Based Input Emulation. , 2017, , .		4
35	A multimodal dataset for authoring and editing multimedia content: The MAMEM project. Data in Brief, 2017, 15, 1048-1056.	0.5	12
36	Analyzing the Impact of Cognitive Load in Evaluating Gaze-Based Typing. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
37	Evaluating Reference String Extraction Using Line-Based Conditional Random Fields: A Case Study with German Language Publications. Communications in Computer and Information Science, 2017, , 137-145.	0.4	7
38	The Essence of Functional Programming on Semantic Data. Lecture Notes in Computer Science, 2017, , 750-776.	1.0	5
39	ASPG: Generating OLAP Queries for SPARQL Benchmarking. Lecture Notes in Computer Science, 2016, , 171-185.	1.0	1
40	Predicting User Roles in Social Networks Using Transfer Learning with Feature Transformation. , 2016, , .		11
41	eyeGUI. , 2016, , .		13
42	Ontology enrichment by discovering multi-relational association rules from ontological knowledge bases. , 2016, , .		18
43	Data Mining and Automated Discrimination: A Mixed Legal/Technical Perspective. IEEE Intelligent Systems, 2016, 31, 51-55.	4.0	17
44	Eye-Controlled Interfaces for Multimedia Interaction. IEEE MultiMedia, 2016, 23, 6-13.	1.5	21
45	Detecting non-gaussian geographical topics in tagged photo collections. , 2014, , .		32
46	Smart photo selection. , 2014, , .		23
47	Benefiting from users' gaze: selection of image regions from eye tracking information for provided tags. Multimedia Tools and Applications, 2014, 71, 363-390.	2.6	3
48	Interactive faceted search and exploration of open social media data on a touchscreen mobile phone. Multimedia Tools and Applications, 2014, 71, 39-60.	2.6	8
49	An ontology-based framework for domain-specific modeling. Software and Systems Modeling, 2014, 13, 83-108.	2.2	37
50	Semantic Web Application Development with LITEQ. Lecture Notes in Computer Science, 2014, , 212-227.	1.0	8
51	IDE Integrated RDF Exploration, Access and RDF-Based Code Typing with LITEQ. Lecture Notes in Computer Science, 2014, , 505-510.	1.0	0
52	Exploitation of Gaze Data for Photo Region Labeling in an Immersive Environment. Lecture Notes in Computer Science, 2014, , 424-435.	1.0	0
53	Can You See It? Two Novel Eye-Tracking-Based Measures for Assigning Tags to Image Regions. Lecture Notes in Computer Science, 2013, , 36-46.	1.0	8
54	SchemEX â€" Efficient construction of a data catalogue by stream-based indexing of linked data. Web Semantics, 2012, 16, 52-58.	2.2	54

#	ARTICLE	IF	CITATIONS
55	A core ontology on events for representing occurrences in the real world. Multimedia Tools and Applications, 2012, 58, 293-331.	2.6	28
56	Identifying Objects in Images from Analyzing the Users' Gaze Movements for Provided Tags. Lecture Notes in Computer Science, 2012, , 138-148.	1.0	5
57	SPLODGE: Systematic Generation of SPARQL Benchmark Queries for Linked Open Data. Lecture Notes in Computer Science, 2012, , 116-132.	1.0	36
58	Ontologies and Similarity. Lecture Notes in Computer Science, 2011, , 11-16.	1.0	4
59	Using provenance to debug changing ontologies. Web Semantics, 2011, 9, 284-298.	2.2	1
60	Designing core ontologies. Applied Ontology, 2011, 6, 177-221.	1.0	53
61	Papel: Provenance-Aware Policy Definition and Execution. IEEE Internet Computing, 2011, 15, 49-58.	3.2	5
62	The Semantic Web: Collective Intelligence on the Web. Informatik-Spektrum, 2011, 34, 469-483.	1.0	8
63	Semantic Web Architecture. , 2011, , 43-75.		8
64	strukt—A Pattern System for Integrating Individual and Organizational Knowledge Work. Lecture Notes in Computer Science, 2011, , 569-584.	1.0	2
65	Software Modeling Using Ontology Technologies. , 2011, , 193-213.		0
66	Using ontologies with UML class-based modeling: The TwoUse approach. Data and Knowledge Engineering, 2010, 69, 1194-1207.	2.1	51
67	DiALog. International Journal of Web Services Research, 2010, 7, 1-20.	0.5	15
68	<i>SXPath</i>. Proceedings of the VLDB Endowment, 2010, 4, 129-140.	2.1	14
69	Representing Distributed Groups with d g FOAF. Lecture Notes in Computer Science, 2010, , 181-195.	1.0	6
70	Efficient Resource Retrieval from Semantic Knowledge Bases. , 2010, , .		1
71	Semantic Social Overlay Networks. , 2010, , 189-219.		1
72	Joint Language and Domain Engineering. Lecture Notes in Computer Science, 2010, , 321-336.	1.0	12

#	Article	IF	Citations
73	Specialization and Validation of Statecharts in OWL. Lecture Notes in Computer Science, 2010, , 360-370.	1.0	3
74	A Model-Driven Approach for Using Templates in OWL Ontologies. Lecture Notes in Computer Science, 2010, , 350-359.	1.0	2
75	F--a model of events based on the foundational ontology dolce+DnS ultralight. , 2009, , .		109
76	Querying for provenance, trust, uncertainty and other meta knowledge in RDF. Web Semantics, 2009, 7, 204-219.	2.2	57
77	SemaPlorerâ€"Interactive semantic exploration of data and media based on a federated cloud infrastructure. Web Semantics, 2009, 7, 298-304.	2.2	45
78	APIs &#x0E0; gogo: Automatic Generation of Ontology APIs. , 2009, , .		15
79	What Is an Ontology?. , 2009, , 1-17.		549
80	TripleRank: Ranking Semantic Web Data by Tensor Decomposition. Lecture Notes in Computer Science, 2009, , 213-228.	1.0	124
81	Modeling and Query Patterns for Process Retrieval in OWL. Lecture Notes in Computer Science, 2009, , 243-259.	1.0	10
82	Large Scale Tag Recommendation Using Different Image Representations. Lecture Notes in Computer Science, 2009, , 65-76.	1.0	6
83	Introduction to the special issue on â€œsemantic multimediaâ€. Multimedia Tools and Applications, 2008, 39, 143-147.	2.6	0
84	Networked graphs. , 2008, , .		54
85	Exploiting Spatial Context in Image Region Labelling Using Fuzzy Constraint Reasoning. , 2008, , .		12
86	Semantic Multimedia. Lecture Notes in Computer Science, 2008, , 125-170.	1.0	14
87	On the Influence of Description Logics Ontologies on Conceptual Similarity. Lecture Notes in Computer Science, 2008, , 48-63.	1.0	38
88	Model Driven Specification of Ontology Translations. Lecture Notes in Computer Science, 2008, , 484-497.	1.0	16
89	Labelling Image Regions Using Wavelet Features and Spatial Prototypes. Lecture Notes in Computer Science, 2008, , 89-104.	1.0	4
90	The X-COSIM integration framework for a seamless semantic desktop. , 2007, , .		11

#	Article	IF	Citations
91	Management of Meta Knowledge for RDF Repositories. , 2007, , .		23
92	COMM: Designing a Well-Founded Multimedia Ontology for the Web. Lecture Notes in Computer Science, 2007, , 30-43.	1.0	103
93	Guest editorial peer-to-peer communications and applications. IEEE Journal on Selected Areas in Communications, 2007, 25, 1-4.	9.7	2
94	Semantic social overlay networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 5-14.	9.7	46
95	Management of Meta Knowledge for RDF Repositories. , 2007, , .		0
96	An Ontology Infrastructure for Multimedia Reasoning. Lecture Notes in Computer Science, 2006, , 51-60.	1.0	14
97	M-OntoMat-Annotizer: Image Annotation Linking Ontologies and Multimedia Low-Level Features. Lecture Notes in Computer Science, 2006, , 633-640.	1.0	50
98	Modeling, Matching and Ranking Services Based on Constraint Hardness. Lecture Notes in Computer Science, 2006, , 471-482.	1.0	0
99	Semantic Annotation of Images and Videos for Multimedia Analysis. Lecture Notes in Computer Science, 2005, , 592-607.	1.0	110
100	Supporting application development in the semantic web. ACM Transactions on Internet Technology, 2005, 5, 328-358.	3.0	51
101	Unveiling the hidden bride: deep annotation for mapping and migrating legacy data to the Semantic Web. Web Semantics, 2004, 1, 187-206.	2.2	42
102	Annotation, composition and invocation of semantic web services. Web Semantics, 2004, 2, 31-48.	2.2	38
103	Learning by googling. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2004, 6, 24-33.	3.2	112
104	Emergent Semantics Systems. Lecture Notes in Computer Science, 2004, , 14-43.	1.0	23
105	XAROP: A Midterm Report in Introducing a Decentralized Semantics-Based Knowledge Sharing Application. Lecture Notes in Computer Science, 2004, , 259-270.	1.0	8
106	The Semantic Webâ€"New Ways to Present and Integrate Information. Comparative and Functional Genomics, 2003, 4, 98-103.	2.0	6
107	CREAM: CREAting Metadata for the Semantic Web. Computer Networks, 2003, 42, 579-598.	3.2	61
108	OntoEdit: Multifaceted Inferencing for Ontology Engineering. Lecture Notes in Computer Science, 2003, , 128-152.	1.0	29

#	Article	IF	Citations
109	Leveraging Metadata Creation for the Semantic Web with CREAM. Lecture Notes in Computer Science, 2003, , 19-33.	1.0	13
110	Surfing the Service Web. Lecture Notes in Computer Science, 2003, , 211-226.	1.0	27
111	Explaining Text Clustering Results Using Semantic Structures. Lecture Notes in Computer Science, 2003, , 217-228.	1.0	44
112	OntoEdit: Guiding Ontology Development by Methodology and Inferencing. Lecture Notes in Computer Science, 2002, , 1205-1222.	1.0	57
113	OntoEdit: Collaborative Ontology Development for the Semantic Web. Lecture Notes in Computer Science, 2002, , 221-235.	1.0	200
114	KAON â€" Towards a Large Scale Semantic Web. Lecture Notes in Computer Science, 2002, , 304-313.	1.0	118
115	Methodology for development and employment of ontology based knowledge management applications. SIGMOD Record, 2002, 31, 18-23.	0.7	78
116	Wissensmanagement mit Ontologien und Metadaten. Informatik-Spektrum, 2002, 25, 194-209.	1.0	15
117	From binary temporal relations to non-binary ones and backâ˜†â˜†Parts of this paper have been published inÂ[36] and inÂ[39].. Artificial Intelligence, 2001, 128, 1-29.	3.9	10
118	Smart task support through proactive access to organizational memory. Knowledge-Based Systems, 2000, 13, 251-260.	4.0	29