

Mara Esther Vidal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152
papers

1,089
citations

15
h-index

25
g-index

171
ext. papers

1,377
ext. citations

1.1
avg, IF

4.67
L-index

#	Paper	IF	Citations
152	Traditional Machine Learning Models and Bidirectional Encoder Representations From Transformer (BERT)-Based Automatic Classification of Tweets About Eating Disorders: Algorithm Development and Validation Study.. <i>JMIR Medical Informatics</i> , 2022 , 10, e34492	3.6	2
151	Efficient semantic summary graphs for querying large knowledge graphs. <i>International Journal of Information Management Data Insights</i> , 2022 , 2, 100082		
150	Responsible Knowledge Management in Energy Data Ecosystems. <i>Energies</i> , 2022 , 15, 3973	3.1	0
149	Analyzing a Knowledge Graph of Industry4.0 Standards 2021 ,		1
148	Enhancing virtual ontology based access over tabular data with Morph-CSV. <i>Semantic Web</i> , 2021 , 1-34	2.4	2
147	Trav-SHACL: Efficiently Validating Networks of SHACL Constraints 2021 ,		6
146	Compact representations for efficient storage of semantic sensor data. <i>Journal of Intelligent Information Systems</i> , 2021 , 57, 203	2.1	2
145	Calibrating Mini-Mental State Examination Scores to Predict Misdiagnosed Dementia Patients. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8055	2.6	0
144	Bias in data-driven artificial intelligence systemsAn introductory survey. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020 , 10, e1356	6.9	92
143	Compacting frequent star patterns in RDF graphs. <i>Journal of Intelligent Information Systems</i> , 2020 , 55, 561-585	2.1	5
142	Falcon 2.0 2020 ,		17
141	SDM-RDFizer 2020 ,		16
140	A Knowledge Graph for Industry 4.0. <i>Lecture Notes in Computer Science</i> , 2020 , 465-480	0.9	12
139	Creating and Capturing Artificial Emotions in Autonomous Robots and Software Agents. <i>Lecture Notes in Computer Science</i> , 2020 , 277-292	0.9	1
138	Chapter 5 Federated Query Processing. <i>Lecture Notes in Computer Science</i> , 2020 , 73-86	0.9	3
137	Unveiling Relations in the Industry 4.0 Standards Landscape Based on Knowledge Graph Embeddings. <i>Lecture Notes in Computer Science</i> , 2020 , 179-194	0.9	4
136	FunMap: Efficient Execution of Functional Mappings for Knowledge Graph Creation. <i>Lecture Notes in Computer Science</i> , 2020 , 276-293	0.9	6

135	IOTA: Interlinking of heterogeneous multilingual open fiscal DaTA. <i>Expert Systems With Applications</i> , 2020 , 147, 113135	7.8	3
134	No one is perfect: Analysing the performance of question answering components over the DBpedia knowledge graph. <i>Web Semantics</i> , 2020 , 65, 100594	2.9	10
133	Semantic Data Integration Techniques for Transforming Big Biomedical Data into Actionable Knowledge 2019 ,		1
132	iASiS: Towards Heterogeneous Big Data Analysis for Personalized Medicine 2019 ,		3
131	Summarizing Entity Temporal Evolution in Knowledge Graphs 2019 ,		3
130	Transforming Heterogeneous Data into Knowledge for Personalized TreatmentsA Use Case. <i>Datenbank-Spektrum</i> , 2019 , 19, 95-106	0.6	8
129	Semantic Data Integration of Big Biomedical Data for Supporting Personalised Medicine. <i>Studies in Computational Intelligence</i> , 2019 , 25-56	0.8	4
128	SerVCS: Serialization Agnostic Ontology Development in Distributed Settings. <i>Communications in Computer and Information Science</i> , 2019 , 213-232	0.3	0
127	A Knowledge-Driven Pipeline for Transforming Big Data into Actionable Knowledge. <i>Lecture Notes in Computer Science</i> , 2019 , 44-49	0.9	
126	Poster Paper Data Integration for Supporting Biomedical Knowledge Graph Creation at Large-Scale. <i>Lecture Notes in Computer Science</i> , 2019 , 91-96	0.9	
125	FedSDM: Semantic Data Manager for Federations of RDF Datasets. <i>Lecture Notes in Computer Science</i> , 2019 , 85-90	0.9	
124	Interaction Network Analysis Using Semantic Similarity Based on Translation Embeddings. <i>Lecture Notes in Computer Science</i> , 2019 , 249-255	0.9	
123	COMET: A Contextualized Molecule-Based Matching Technique. <i>Lecture Notes in Computer Science</i> , 2019 , 175-185	0.9	1
122	PURE: A Privacy Aware Rule-Based Framework over Knowledge Graphs. <i>Lecture Notes in Computer Science</i> , 2019 , 205-214	0.9	1
121	Ontario: Federated Query Processing Against a Semantic Data Lake. <i>Lecture Notes in Computer Science</i> , 2019 , 379-395	0.9	15
120	Semantic Representation of Scientific Publications. <i>Lecture Notes in Computer Science</i> , 2019 , 375-379	0.9	5
119	MapSDI: A Scaled-Up Semantic Data Integration Framework for Knowledge Graph Creation. <i>Lecture Notes in Computer Science</i> , 2019 , 58-75	0.9	6
118	What Are the Parameters that Affect the Construction of a Knowledge Graph?. <i>Lecture Notes in Computer Science</i> , 2019 , 695-713	0.9	4

117	Evaluation of metadata representations in RDF stores. <i>Semantic Web</i> , 2019 , 10, 205-229	2.4	15
116	Towards a Knowledge Graph for Science 2018 ,		40
115	Ulysses: An Intelligent Client for Replicated Triple Pattern Fragments. <i>Lecture Notes in Computer Science</i> , 2018 , 182-186	0.9	
114	BOUNCER: Privacy-Aware Query Processing over Federations of RDF Datasets. <i>Lecture Notes in Computer Science</i> , 2018 , 69-84	0.9	6
113	Unveiling Scholarly Communities over Knowledge Graphs. <i>Lecture Notes in Computer Science</i> , 2018 , 103-115		12
112	Synthesizing Knowledge Graphs from Web Sources with the MINTE(^+) Framework. <i>Lecture Notes in Computer Science</i> , 2018 , 359-375	0.9	3
111	Intelligent Clients for Replicated Triple Pattern Fragments. <i>Lecture Notes in Computer Science</i> , 2018 , 400-414	0.9	3
110	GARUM: A Semantic Similarity Measure Based on Machine Learning and Entity Characteristics. <i>Lecture Notes in Computer Science</i> , 2018 , 169-183	0.9	1
109	Knowledge Graphs for Semantically Integrating Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , 2018 , 184-199	0.9	8
108	Querying Interlinked Data by Bridging RDF Molecule Templates. <i>Lecture Notes in Computer Science</i> , 2018 , 1-42	0.9	2
107	DESERT: A Continuous SPARQL Query Engine for On-Demand Query Answering. <i>International Journal of Semantic Computing</i> , 2018 , 12, 373-397	0.7	2
106	Why Reinvent the Wheel 2018 ,		31
105	Classifying Data Heterogeneity within Budget and Spending Open Data 2018 ,		2
104	Dynamic Composition of Question Answering Pipelines with FRANKENSTEIN 2018 ,		2
103	OpenBudgets.eu: A Platform for Semantically Representing and Analyzing Open Fiscal Data. <i>Lecture Notes in Computer Science</i> , 2018 , 433-447	0.9	0
102	Decomposing federated queries in presence of replicated fragments. <i>Web Semantics</i> , 2017 , 42, 1-18	2.9	9
101	Semantic Data Integration for Knowledge Graph Construction at Query Time 2017 ,		12
100	MULDER: Querying the Linked Data Web by Bridging RDF Molecule Templates. <i>Lecture Notes in Computer Science</i> , 2017 , 3-18	0.9	13

99	SJoin: A Semantic Join Operator to Integrate Heterogeneous RDF Graphs. <i>Lecture Notes in Computer Science</i> , 2017 , 206-221	0.9	1
98	QAestro [Semantic-Based Composition of Question Answering Pipelines. <i>Lecture Notes in Computer Science</i> , 2017 , 19-34	0.9	4
97	Large-scale storage and query processing for semantic sensor data 2017 ,		3
96	Enhancing answer completeness of SPARQL queries via crowdsourcing. <i>Web Semantics</i> , 2017 , 45, 41-62	2.9	12
95	MINTE 2017 ,		12
94	A big data architecture for managing oceans of data and maritime applications 2017 ,		7
93	The industry 4.0 standards landscape from a semantic integration perspective 2017 ,		26
92	SMJoin 2017 ,		4
91	Capturing Knowledge in Semantically-typed Relational Patterns to Enhance Relation Linking 2017 ,		8
90	Maritime data technology landscape and value chain exploiting oceans of data for maritime applications 2017 ,		3
89	MateTee: A Semantic Similarity Metric Based on Translation Embeddings for Knowledge Graphs. <i>Lecture Notes in Computer Science</i> , 2017 , 246-263	0.9	4
88	The BigDataEurope Platform [Supporting the Variety Dimension of Big Data. <i>Lecture Notes in Computer Science</i> , 2017 , 41-59	0.9	18
87	Towards an Integrated Graph Algebra for Graph Pattern Matching with Gremlin. <i>Lecture Notes in Computer Science</i> , 2017 , 81-91	0.9	5
86	Integration of Scholarly Communication Metadata Using Knowledge Graphs. <i>Lecture Notes in Computer Science</i> , 2017 , 328-341	0.9	8
85	Diefficiency Metrics: Measuring the Continuous Efficiency of Query Processing Approaches. <i>Lecture Notes in Computer Science</i> , 2017 , 3-19	0.9	8
84	Towards a Multi-way Similarity Join Operator. <i>Communications in Computer and Information Science</i> , 2017 , 267-274	0.3	1
83	GADES 2016 ,		11
82	Mobile teleradiology system suitable for m-health services supporting content and semantic based image retrieval on a grid infrastructure. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 5380-5383	0.9	0

81	On the Selection of SPARQL Endpoints to Efficiently Execute Federated SPARQL Queries. <i>Lecture Notes in Computer Science</i> , 2016 , 109-149	0.9	9
80	Co-evolution of RDF Datasets. <i>Lecture Notes in Computer Science</i> , 2016 , 225-243	0.9	3
79	FuhSen: A Federated Hybrid Search Engine for Building a Knowledge Graph On-Demand (Short Paper). <i>Lecture Notes in Computer Science</i> , 2016 , 752-761	0.9	5
78	Alligator: A Deductive Approach for the Integration of Industry 4.0 Standards. <i>Lecture Notes in Computer Science</i> , 2016 , 272-287	0.9	6
77	Considering Semantics on the Discovery of Relations in Knowledge Graphs. <i>Lecture Notes in Computer Science</i> , 2016 , 666-680	0.9	6
76	Challenges for Semantically Driven Collaborative Spaces. <i>Lecture Notes in Computer Science</i> , 2016 , 3-9	0.9	
75	Proactive Prevention of False-Positive Conflicts in Distributed Ontology Development 2016 ,		3
74	Factorization Techniques for Longitudinal Linked Data (Short Paper). <i>Lecture Notes in Computer Science</i> , 2016 , 690-698	0.9	
73	Towards Semantification of Big Data Technology. <i>Lecture Notes in Computer Science</i> , 2016 , 376-390	0.9	11
72	OnSim: A Similarity Measure for Determining Relatedness Between Ontology Terms. <i>Lecture Notes in Computer Science</i> , 2015 , 70-86	0.9	3
71	AnnEvol: An Evolutionary Framework to Description Ontology-Based Annotations. <i>Lecture Notes in Computer Science</i> , 2015 , 87-103	0.9	3
70	Networks of Linked Data Eddies: An Adaptive Web Query Processing Engine for RDF Data. <i>Lecture Notes in Computer Science</i> , 2015 , 111-127	0.9	18
69	HARE 2015 ,		5
68	Determining similarity of scientific entities in annotation datasets. <i>Database: the Journal of Biological Databases and Curation</i> , 2015 , 2015,	5	3
67	WebMedSA: a web-based framework for segmenting and annotating medical images using biomedical ontologies 2015 ,		1
66	2015 ,		2
65	An automatic method for the enrichment of DICOM metadata using biomedical ontologies. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2551-4	0.9	2
64	RDF-ization of DICOM Medical Images towards Linked Health Data Cloud. <i>IFMBE Proceedings</i> , 2015 , 757-760		2

63	Federated SPARQL Queries Processing with Replicated Fragments. <i>Lecture Notes in Computer Science</i> , 2015 , 36-51	0.9	14
62	DEFENDER: A DEcomposer for quERies agaiNst feDERations of Endpoints. <i>Lecture Notes in Computer Science</i> , 2015 , 480-484	0.9	0
61	D-FOPA: A Dynamic Final Object Pruning Algorithm to Efficiently Produce Skyline Points Over Data Streams. <i>Lecture Notes in Computer Science</i> , 2015 , 117-133	0.9	
60	Combining Multiple Knowledge Sources: A Case Study of Drug Induced Liver Injury. <i>Lecture Notes in Computer Science</i> , 2015 , 3-12	0.9	
59	An authority-flow based ranking approach to discover potential novel associations between Linked Data. <i>Semantic Web</i> , 2014 , 5, 23-46	2.4	3
58	Graphium Chrysalis: Exploiting Graph Database Engines to Analyze RDF Graphs. <i>Lecture Notes in Computer Science</i> , 2014 , 326-331	0.9	2
57	Analyzing Linked Data Quality with LiQuate. <i>Lecture Notes in Computer Science</i> , 2014 , 488-493	0.9	8
56	Drug-Target Interaction Prediction Using Semantic Similarity and Edge Partitioning. <i>Lecture Notes in Computer Science</i> , 2014 , 131-146	0.9	26
55	Traversing the Linking Open Data Cloud to Create News from Tweets. <i>Lecture Notes in Computer Science</i> , 2014 , 479-488	0.9	2
54	Exploiting Semantics from Ontologies and Shared Annotations to Partition Linked Data. <i>Lecture Notes in Computer Science</i> , 2014 , 120-127	0.9	
53	SemLAV: Querying Deep Web and Linked Open Data with SPARQL. <i>Lecture Notes in Computer Science</i> , 2014 , 332-337	0.9	
52	Measuring Relatedness Between Scientific Entities in Annotation Datasets 2013 ,		11
51	Analyzing Linked Data Quality with LiQuate. <i>Lecture Notes in Computer Science</i> , 2013 , 629-638	0.9	9
50	Medical Image Rendering and Description Driven by Semantic Annotations. <i>Lecture Notes in Computer Science</i> , 2013 , 123-149	0.9	2
49	Mining Electoral Data for Effective Campaigns and E-Participation. <i>Advances in Electronic Government, Digital Divide, and Regional Development Book Series</i> , 2013 , 59-82	0.3	
48	GUN: An Efficient Execution Strategy for Querying the Web of Data. <i>Lecture Notes in Computer Science</i> , 2013 , 180-194	0.9	
47	FRAGOLA: Fabulous RANking of GastrONomy LocAtions. <i>Lecture Notes in Computer Science</i> , 2013 , 408-413.	0.9	
46	LiQuate-Estimating the Quality of Links in the Linking Open Data Cloud. <i>Lecture Notes in Computer Science</i> , 2013 , 56-82	0.9	2

45	FOPA: A Final Object Pruning Algorithm to Efficiently Produce Skyline Points. <i>Lecture Notes in Computer Science</i> , 2013 , 334-348	0.9	2
44	Efficiently Producing the K Nearest Neighbors in the Skyline on Vertically Partitioned Tables. <i>International Journal of Information Retrieval Research</i> , 2013 , 3, 58-77	0.4	
43	A Non-Chronological Backtracking Unfolding Algorithm for Transactional Web Service Composition. <i>Procedia Computer Science</i> , 2012 , 10, 888-893	1.6	0
42	Experiences of sampling-based approaches for estimating QoS parameters in the Web Service composition problem. <i>International Journal of Web and Grid Services</i> , 2012 , 8, 1	1.4	6
41	PAnG 2012 ,		5
40	A Transactional-QoS Driven Approach for Web Service Composition. <i>Lecture Notes in Computer Science</i> , 2012 , 23-42	0.9	5
39	Finding Cross Genome Patterns in Annotation Graphs. <i>Lecture Notes in Computer Science</i> , 2012 , 21-36	0.9	13
38	Benchmarking Federated SPARQL Query Engines: Are Existing Testbeds Enough?. <i>Lecture Notes in Computer Science</i> , 2012 , 313-324	0.9	19
37	Efficiently Producing the K Nearest Neighbors in the Skyline for Multidimensional Datasets. <i>Lecture Notes in Computer Science</i> , 2012 , 673-676	0.9	1
36	Challenges of Quality-Driven Resource Discovery. <i>Lecture Notes in Computer Science</i> , 2012 , 181-189	0.9	
35	Ranking and Clustering Techniques to Support an Efficient E-Democracy. <i>Lecture Notes in Computer Science</i> , 2012 , 298-301	0.9	
34	Aggregating Functional and Non-Functional Properties to Identify Service Compositions. <i>Advances in Web Technologies and Engineering Book Series</i> , 2011 , 145-174	0.2	6
33	ANAPSID: An Adaptive Query Processing Engine for SPARQL Endpoints. <i>Lecture Notes in Computer Science</i> , 2011 , 18-34	0.9	77
32	CAREY: ClimAtological ContRol of EmergencY Regions. <i>Lecture Notes in Computer Science</i> , 2011 , 494-503	0.9	2
31	To Cache or Not To Cache: The Effects of Warming Cache in Complex SPARQL Queries. <i>Lecture Notes in Computer Science</i> , 2011 , 716-733	0.9	5
30	A sampling-based approach to identify QoS for web service orchestrations 2010 ,		2
29	Efficiently Joining Group Patterns in SPARQL Queries. <i>Lecture Notes in Computer Science</i> , 2010 , 228-242	0.9	37
28	BioNav: An Ontology-Based Framework to Discover Semantic Links in the Cloud of Linked Data. <i>Lecture Notes in Computer Science</i> , 2010 , 441-445	0.9	4

27	An Expressive and Efficient Solution to the Service Selection Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 386-401	0.9	6
26	Efficiently Selecting the Best Web Services. <i>Lecture Notes in Computer Science</i> , 2010 , 120-139	0.9	3
25	Expressing and Managing Reactivity in the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2010 , 1018-1035	0.9	10
24	Flexible and efficient querying and ranking on hyperlinked data sources 2009 ,		8
23	Reaching the Top of the Skyline: An Efficient Indexed Algorithm for Top-k Skyline Queries. <i>Lecture Notes in Computer Science</i> , 2009 , 471-485	0.9	12
22	Customized and Optimized Service Selection with ProtocolDB. <i>Lecture Notes in Computer Science</i> , 2009 , 112-123	0.9	5
21	Techniques to Produce Optimal Web Service Compositions 2008 ,		10
20	Query evaluation and optimization in the semantic web. <i>Theory and Practice of Logic Programming</i> , 2008 , 8, 393-409	0.8	8
19	BiOnMap 2008 ,		4
18	Magic Rewritings for Efficiently Processing Reactivity on Web Ontologies. <i>Lecture Notes in Computer Science</i> , 2008 , 1338-1354	0.9	1
17	A Deductive Approach for Resource Interoperability and Well-Defined Workflows. <i>Lecture Notes in Computer Science</i> , 2008 , 998-1009	0.9	6
16	Deductive Web Services: An Ontology-Driven Approach for Service Interoperability in Life Science 2007 , 1338-1347		3
15	Ranking target objects of navigational queries 2006 ,		6
14	Path-based systems to guide scientists in the maze of biological data sources. <i>Journal of Bioinformatics and Computational Biology</i> , 2006 , 4, 1069-95	1	23
13	Preferred Skyline: A Hybrid Approach Between SQLf and Skyline. <i>Lecture Notes in Computer Science</i> , 2005 , 375-384	0.9	4
12	BioNavigation: Selecting Optimum Paths Through Biological Resources to Evaluate Ontological Navigational Queries. <i>Lecture Notes in Computer Science</i> , 2005 , 275-283	0.9	8
11	Top-k Skyline: A Unified Approach. <i>Lecture Notes in Computer Science</i> , 2005 , 790-799	0.9	11
10	Challenges in selecting paths for navigational queries 2004 ,		4

9	BioFast. <i>SIGMOD Record</i> , 2004 , 33, 72-77	1.1	7
8	Efficient Techniques to Explore and Rank Paths in Life Science Data Sources. <i>Lecture Notes in Computer Science</i> , 2004 , 187-202	0.9	13
7	Efficient evaluation of queries in a mediator for WebSources 2002 ,		20
6	Source selection and ranking in the websemantics architecture using quality of data metadata. <i>Advances in Computers</i> , 2002 , 87-118	2.9	4
5	Wrapper generation for Web accessible data sources 1998 ,		27
4	A meta-wrapper for scaling up to multiple autonomous distributed information sources 1998 ,		11
3	Evaluating Top-k Skyline Queries Efficiently. <i>Advances in Data Mining and Database Management Book Series</i> ,102-117	0.6	
2	On the Efficiency of Querying and Storing RDF Documents. <i>Advances in Data Mining and Database Management Book Series</i> ,354-385	0.6	
1	Comparing MapReduce and Pipeline Implementations for Counting Triangles. <i>Electronic Proceedings in Theoretical Computer Science</i> , <i>EPTCS</i> ,237, 20-33		