Mara Esther Vidal

List of Publications by Citations

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	Bias in data-driven artificial intelligence systems—An introductory survey. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2020**, 10, e1356	6.9	92
151	ANAPSID: An Adaptive Query Processing Engine for SPARQL Endpoints. *Lecture Notes in Computer Science*, **2011**, 18-34	0.9	77
150	Towards a Knowledge Graph for Science **2018**,		40
149	Efficiently Joining Group Patterns in SPARQL Queries. *Lecture Notes in Computer Science*, **2010**, 228-242	0.9	37
148	Why Reinvent the Wheel **2018**,		31
147	Wrapper generation for Web accessible data sources **1998**,		27
146	The industry 4.0 standards landscape from a semantic integration perspective **2017**,		26
145	Drug-Target Interaction Prediction Using Semantic Similarity and Edge Partitioning. *Lecture Notes in Computer Science*, **2014**, 131-146	0.9	26
144	Path-based systems to guide scientists in the maze of biological data sources. *Journal of Bioinformatics and Computational Biology*, **2006**, 4, 1069-95	1	23
143	Efficient evaluation of queries in a mediator for WebSources **2002**,		20
142	Benchmarking Federated SPARQL Query Engines: Are Existing Testbeds Enough?. *Lecture Notes in Computer Science*, **2012**, 313-324	0.9	19
141	Networks of Linked Data Eddies: An Adaptive Web Query Processing Engine for RDF Data. *Lecture Notes in Computer Science*, **2015**, 111-127	0.9	18
140	The BigDataEurope Platform—Supporting the Variety Dimension of Big Data. *Lecture Notes in Computer Science*, **2017**, 41-59	0.9	18
139	Falcon 2.0 **2020**,		17
138	SDM-RDFizer **2020**,		16
137	Ontario: Federated Query Processing Against a Semantic Data Lake. *Lecture Notes in Computer Science*, **2019**, 379-395	0.9	15
136	Evaluation of metadata representations in RDF stores. *Semantic Web*, **2019**, 10, 205-229	2.4	15

135	Federated SPARQL Queries Processing with Replicated Fragments. *Lecture Notes in Computer Science*, **2015**, 36-51	0.9	14
134	MULDER: Querying the Linked Data Web by Bridging RDF Molecule Templates. *Lecture Notes in Computer Science*, **2017**, 3-18	0.9	13
133	Efficient Techniques to Explore and Rank Paths in Life Science Data Sources. *Lecture Notes in Computer Science*, **2004**, 187-202	0.9	13
132	Finding Cross Genome Patterns in Annotation Graphs. *Lecture Notes in Computer Science*, **2012**, 21-36	0.9	13
131	Semantic Data Integration for Knowledge Graph Construction at Query Time **2017**,		12
130	Enhancing answer completeness of SPARQL queries via crowdsourcing. *Web Semantics*, **2017**, 45, 41-62	2.9	12
129	MINTE **2017**,		12
128	Unveiling Scholarly Communities over Knowledge Graphs. *Lecture Notes in Computer Science*, **2018**, 103-115	0.9	12
127	A Knowledge Graph for Industry 4.0. *Lecture Notes in Computer Science*, **2020**, 465-480	0.9	12
126	Reaching the Top of the Skyline: An Efficient Indexed Algorithm for Top-k Skyline Queries. *Lecture Notes in Computer Science*, **2009**, 471-485	0.9	12
125	GADES **2016**,		11
124	Measuring Relatedness Between Scientific Entities in Annotation Datasets **2013**,		11
123	A meta-wrapper for scaling up to multiple autonomous distributed information sources **1998**,		11
122	Towards Semantification of Big Data Technology. *Lecture Notes in Computer Science*, **2016**, 376-390	0.9	11
121	Top-k Skyline: A Unified Approach. *Lecture Notes in Computer Science*, **2005**, 790-799	0.9	11
120	Techniques to Produce Optimal Web Service Compositions **2008**,		10
119	No one is perfect: Analysing the performance of question answering components over the DBpedia knowledge graph. *Web Semantics*, **2020**, 65, 100594	2.9	10
118	Decomposing federated queries in presence of replicated fragments. *Web Semantics*, **2017**, 42, 1-18	2.9	9

117	On the Selection of SPARQL Endpoints to Efficiently Execute Federated SPARQL Queries. *Lecture Notes in Computer Science*, **2016**, 109-149	0.9	9
116	Analyzing Linked Data Quality with LiQuate. *Lecture Notes in Computer Science*, **2013**, 629-638	0.9	9
115	Transforming Heterogeneous Data into Knowledge for Personalized Treatments: A Use Case. *Datenbank-Spektrum*, **2019**, 19, 95-106	0.6	8
114	Capturing Knowledge in Semantically-typed Relational Patterns to Enhance Relation Linking **2017**,		8
113	Flexible and efficient querying and ranking on hyperlinked data sources **2009**,		8
112	Query evaluation and optimization in the semantic web. *Theory and Practice of Logic Programming*, **2008**, 8, 393-409	0.8	8
111	Analyzing Linked Data Quality with LiQuate. *Lecture Notes in Computer Science*, **2014**, 488-493	0.9	8
110	Integration of Scholarly Communication Metadata Using Knowledge Graphs. *Lecture Notes in Computer Science*, **2017**, 328-341	0.9	8
109	Diefficiency Metrics: Measuring the Continuous Efficiency of Query Processing Approaches. *Lecture Notes in Computer Science*, **2017**, 3-19	0.9	8
108	Knowledge Graphs for Semantically Integrating Cyber-Physical Systems. *Lecture Notes in Computer Science*, **2018**, 184-199	0.9	8
107	BioNavigation: Selecting Optimum Paths Through Biological Resources to Evaluate Ontological Navigational Queries. *Lecture Notes in Computer Science*, **2005**, 275-283	0.9	8
106	A big data architecture for managing oceans of data and maritime applications **2017**,		7
105	BioFast. *SIGMOD Record*, **2004**, 33, 72-77	1.1	7
104	Experiences of sampling-based approaches for estimating QoS parameters in the Web Service composition problem. *International Journal of Web and Grid Services*, **2012**, 8, 1	1.4	6
103	Ranking target objects of navigational queries **2006**,		6
102	Aggregating Functional and Non-Functional Properties to Identify Service Compositions. *Advances in Web Technologies and Engineering Book Series*, **2011**, 145-174	0.2	6
101	A Deductive Approach for Resource Interoperability and Well-Defined Workflows. *Lecture Notes in Computer Science*, **2008**, 998-1009	0.9	6
100	BOUNCER: Privacy-Aware Query Processing over Federations of RDF Datasets. *Lecture Notes in Computer Science*, **2018**, 69-84	0.9	6

99	MapSDI: A Scaled-Up Semantic Data Integration Framework for Knowledge Graph Creation. *Lecture Notes in Computer Science*, **2019**, 58-75	0.9	6
98	FunMap: Efficient Execution of Functional Mappings for Knowledge Graph Creation. *Lecture Notes in Computer Science*, **2020**, 276-293	0.9	6
97	Alligator: A Deductive Approach for the Integration of Industry 4.0 Standards. *Lecture Notes in Computer Science*, **2016**, 272-287	0.9	6
96	Considering Semantics on the Discovery of Relations in Knowledge Graphs. *Lecture Notes in Computer Science*, **2016**, 666-680	0.9	6
95	An Expressive and Efficient Solution to the Service Selection Problem. *Lecture Notes in Computer Science*, **2010**, 386-401	0.9	6
94	Trav-SHACL: Efficiently Validating Networks of SHACL Constraints **2021**,		6
93	Compacting frequent star patterns in RDF graphs. *Journal of Intelligent Information Systems*, **2020**, 55, 561-585	2.1	5
92	HARE **2015**,		5
91	PAnG **2012**,		5
90	Semantic Representation of Scientific Publications. *Lecture Notes in Computer Science*, **2019**, 375-379	0.9	5
89	FuhSen: A Federated Hybrid Search Engine for Building a Knowledge Graph On-Demand (Short Paper). *Lecture Notes in Computer Science*, **2016**, 752-761	0.9	5
88	Towards an Integrated Graph Algebra for Graph Pattern Matching with Gremlin. *Lecture Notes in Computer Science*, **2017**, 81-91	0.9	5
87	A Transactional-QoS Driven Approach for Web Service Composition. *Lecture Notes in Computer Science*, **2012**, 23-42	0.9	5
86	Customized and Optimized Service Selection with ProtocolDB. *Lecture Notes in Computer Science*, **2009**, 112-123	0.9	5
85	To Cache or Not To Cache: The Effects of Warming Cache in Complex SPARQL Queries. *Lecture Notes in Computer Science*, **2011**, 716-733	0.9	5
84	Semantic Data Integration of Big Biomedical Data for Supporting Personalised Medicine. *Studies in Computational Intelligence*, **2019**, 25-56	0.8	4
83	QAestro Semantic-Based Composition of Question Answering Pipelines. *Lecture Notes in Computer Science*, **2017**, 19-34	0.9	4
82	SMJoin **2017**,		4

81	Challenges in selecting paths for navigational queries **2004**,		4
80	Preferred Skyline: A Hybrid Approach Between SQLf and Skyline. *Lecture Notes in Computer Science*, **2005**, 375-384	0.9	4
79	Source selection and ranking in the websemantics architecture using quality of data metadata. *Advances in Computers*, **2002**, 87-118	2.9	4
78	BiOnMap **2008**,		4
77	What Are the Parameters that Affect the Construction of a Knowledge Graph?. *Lecture Notes in Computer Science*, **2019**, 695-713	0.9	4
76	Unveiling Relations in the Industry 4.0 Standards Landscape Based on Knowledge Graph Embeddings. *Lecture Notes in Computer Science*, **2020**, 179-194	0.9	4
75	MateTee: A Semantic Similarity Metric Based on Translation Embeddings for Knowledge Graphs. *Lecture Notes in Computer Science*, **2017**, 246-263	0.9	4
74	BioNav: An Ontology-Based Framework to Discover Semantic Links in the Cloud of Linked Data. *Lecture Notes in Computer Science*, **2010**, 441-445	0.9	4
73	iASiS: Towards Heterogeneous Big Data Analysis for Personalized Medicine **2019**,		3
72	Summarizing Entity Temporal Evolution in Knowledge Graphs **2019**,		3
71	OnSim: A Similarity Measure for Determining Relatedness Between Ontology Terms. *Lecture Notes in Computer Science*, **2015**, 70-86	0.9	3
70	AnnEvol: An Evolutionary Framework to Description Ontology-Based Annotations. *Lecture Notes in Computer Science*, **2015**, 87-103	0.9	3
69	Large-scale storage and query processing for semantic sensor data **2017**,		3
68	Maritime data technology landscape and value chain exploiting oceans of data for maritime applications **2017**,		3
67	Determining similarity of scientific entities in annotation datasets. *Database: the Journal of Biological Databases and Curation*, **2015**, 2015,	5	3
66	An authority-flow based ranking approach to discover potential novel associations between Linked Data. *Semantic Web*, **2014**, 5, 23-46	2.4	3
65	Deductive Web Services: An Ontology-Driven Approach for Service Interoperability in Life Science **2007**, 1338-1347		3
64	Synthesizing Knowledge Graphs from Web Sources with the MINTE(^+) Framework. *Lecture Notes in Computer Science*, **2018**, 359-375	0.9	3

63	Chapter 5 Federated Query Processing. *Lecture Notes in Computer Science*, **2020**, 73-86	0.9	3
62	Co-evolution of RDF Datasets. *Lecture Notes in Computer Science*, **2016**, 225-243	0.9	3
61	Intelligent Clients for Replicated Triple Pattern Fragments. *Lecture Notes in Computer Science*, **2018**, 400-414	0.9	3
60	Proactive Prevention of False-Positive Conflicts in Distributed Ontology Development **2016**,		3
59	Efficiently Selecting the Best Web Services. *Lecture Notes in Computer Science*, **2010**, 120-139	0.9	3
58	IOTA: Interlinking of heterogeneous multilingual open fiscal DaTA. *Expert Systems With Applications*, **2020**, 147, 113135	7.8	3
57	**2015**,		2
56	An automatic method for the enrichment of DICOM metadata using biomedical ontologies. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 2551-4	0.9	2
55	A sampling-based approach to identify QoS for web service orchestrations **2010**,		2
54	Graphium Chrysalis: Exploiting Graph Database Engines to Analyze RDF Graphs. *Lecture Notes in Computer Science*, **2014**, 326-331	0.9	2
53	RDF-ization of DICOM Medical Images towards Linked Health Data Cloud. *IFMBE Proceedings*, **2015**, 757-760	0.9	2
52	Medical Image Rendering and Description Driven by Semantic Annotations. *Lecture Notes in Computer Science*, **2013**, 123-149	0.9	2
51	Traversing the Linking Open Data Cloud to Create News from Tweets. *Lecture Notes in Computer Science*, **2014**, 479-488	0.9	2
50	Querying Interlinked Data by Bridging RDF Molecule Templates. *Lecture Notes in Computer Science*, **2018**, 1-42	0.9	2
49	CAREY: ClimAtological ContRol of EmergencY Regions. *Lecture Notes in Computer Science*, **2011**, 494-503	0.9	2
48	LiQuate-Estimating the Quality of Links in the Linking Open Data Cloud. *Lecture Notes in Computer Science*, **2013**, 56-82	0.9	2
47	FOPA: A Final Object Pruning Algorithm to Efficiently Produce Skyline Points. *Lecture Notes in Computer Science*, **2013**, 334-348	0.9	2
46	Enhancing virtual ontology based access over tabular data with Morph-CSV. *Semantic Web*, **2021**, 1-34	2.4	2

45	Compact representations for efficient storage of semantic sensor data. *Journal of Intelligent Information Systems*, **2021**, 57, 203	2.1	2
44	DESERT: A Continuous SPARQL Query Engine for On-Demand Query Answering. *International Journal of Semantic Computing*, **2018**, 12, 373-397	0.7	2
43	Classifying Data Heterogeneity within Budget and Spending Open Data **2018**,		2
42	Dynamic Composition of Question Answering Pipelines with FRANKENSTEIN **2018**,		2
41	Traditional Machine Learning Models and Bidirectional Encoder Representations From Transformer (BERT)-Based Automatic Classification of Tweets About Eating Disorders: Algorithm Development and Validation Study.. *JMIR Medical Informatics*, **2022**, 10, e34492	3.6	2
40	Semantic Data Integration Techniques for Transforming Big Biomedical Data into Actionable Knowledge **2019**,		1
39	SJoin: A Semantic Join Operator to Integrate Heterogeneous RDF Graphs. *Lecture Notes in Computer Science*, **2017**, 206-221	0.9	1
38	WebMedSA: a web-based framework for segmenting and annotating medical images using biomedical ontologies **2015**,		1
37	Magic Rewritings for Efficiently Processing Reactivity on Web Ontologies. *Lecture Notes in Computer Science*, **2008**, 1338-1354	0.9	1
36	COMET: A Contextualized Molecule-Based Matching Technique. *Lecture Notes in Computer Science*, **2019**, 175-185	0.9	1
35	PURE: A Privacy Aware Rule-Based Framework over Knowledge Graphs. *Lecture Notes in Computer Science*, **2019**, 205-214	0.9	1
34	Creating and Capturing Artificial Emotions in Autonomous Robots and Software Agents. *Lecture Notes in Computer Science*, **2020**, 277-292	0.9	1
33	GARUM: A Semantic Similarity Measure Based on Machine Learning and Entity Characteristics. *Lecture Notes in Computer Science*, **2018**, 169-183	0.9	1
32	Towards a Multi-way Similarity Join Operator. *Communications in Computer and Information Science*, **2017**, 267-274	0.3	1
31	Efficiently Producing the K Nearest Neighbors in the Skyline for Multidimensional Datasets. *Lecture Notes in Computer Science*, **2012**, 673-676	0.9	1
30	Analyzing a Knowledge Graph of Industry 4.0 Standards **2021**,		1
29	Mobile teleradiology system suitable for m-health services supporting content and semantic based image retrieval on a grid infrastructure. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2016**, 2016, 5380-5383	0.9	0
28	A Non-Chronological Backtracking Unfolding Algorithm for Transactional Web Service Composition. *Procedia Computer Science*, **2012**, 10, 888-893	1.6	0

27	SerVCS: Serialization Agnostic Ontology Development in Distributed Settings. *Communications in Computer and Information Science*, **2019**, 213-232	0.3	0
26	DEFENDER: A DEcomposer for quEries agaiNst feDERations of Endpoints. *Lecture Notes in Computer Science*, **2015**, 480-484	0.9	0
25	OpenBudgets.eu: A Platform for Semantically Representing and Analyzing Open Fiscal Data. *Lecture Notes in Computer Science*, **2018**, 433-447	0.9	0
24	Calibrating Mini-Mental State Examination Scores to Predict Misdiagnosed Dementia Patients. *Applied Sciences (Switzerland)*, **2021**, 11, 8055	2.6	0
23	Responsible Knowledge Management in Energy Data Ecosystems. *Energies*, **2022**, 15, 3973	3.1	0
22	Evaluating Top-k Skyline Queries Efficiently. *Advances in Data Mining and Database Management Book Series*,102-117	0.6	
21	On the Efficiency of Querying and Storing RDF Documents. *Advances in Data Mining and Database Management Book Series*,354-385	0.6	
20	Ulysses: An Intelligent Client for Replicated Triple Pattern Fragments. *Lecture Notes in Computer Science*, **2018**, 182-186	0.9	
19	A Knowledge-Driven Pipeline for Transforming Big Data into Actionable Knowledge. *Lecture Notes in Computer Science*, **2019**, 44-49	0.9	
18	Poster Paper Data Integration for Supporting Biomedical Knowledge Graph Creation at Large-Scale. *Lecture Notes in Computer Science*, **2019**, 91-96	0.9	
17	FedSDM: Semantic Data Manager for Federations of RDF Datasets. *Lecture Notes in Computer Science*, **2019**, 85-90	0.9	
16	Interaction Network Analysis Using Semantic Similarity Based on Translation Embeddings. *Lecture Notes in Computer Science*, **2019**, 249-255	0.9	
15	D-FOPA: A Dynamic Final Object Pruning Algorithm to Efficiently Produce Skyline Points Over Data Streams. *Lecture Notes in Computer Science*, **2015**, 117-133	0.9	
14	Combining Multiple Knowledge Sources: A Case Study of Drug Induced Liver Injury. *Lecture Notes in Computer Science*, **2015**, 3-12	0.9	
13	Challenges for Semantically Driven Collaborative Spaces. *Lecture Notes in Computer Science*, **2016**, 3-9	0.9	
12	Factorization Techniques for Longitudinal Linked Data (Short Paper). *Lecture Notes in Computer Science*, **2016**, 690-698	0.9	
11	Comparing MapReduce and Pipeline Implementations for Counting Triangles. *Electronic Proceedings in Theoretical Computer Science, EPTCS*,237, 20-33		
10	Expressing and Managing Reactivity in the Semantic Web. *Lecture Notes in Computer Science*, **2010**, 1018-1035	0.9	

9	Challenges of Quality-Driven Resource Discovery. *Lecture Notes in Computer Science*, **2012**, 181-189	0.9
8	Ranking and Clustering Techniques to Support an Efficient E-Democracy. *Lecture Notes in Computer Science*, **2012**, 298-301	0.9
7	Mining Electoral Data for Effective Campaigns and E-Participation. *Advances in Electronic Government, Digital Divide, and Regional Development Book Series*, **2013**, 59-82	0.3
6	GUN: An Efficient Execution Strategy for Querying the Web of Data. *Lecture Notes in Computer Science*, **2013**, 180-194	0.9
5	FRAGOLA: Fabulous RAnking of GastrOnomy LocAtions. *Lecture Notes in Computer Science*, **2013**, 408-413	0.9
4	Efficiently Producing the K Nearest Neighbors in the Skyline on Vertically Partitioned Tables. *International Journal of Information Retrieval Research*, **2013**, 3, 58-77	0.4
3	Exploiting Semantics from Ontologies and Shared Annotations to Partition Linked Data. *Lecture Notes in Computer Science*, **2014**, 120-127	0.9
2	SemLAV: Querying Deep Web and Linked Open Data with SPARQL. *Lecture Notes in Computer Science*, **2014**, 332-337	0.9
1	Efficient semantic summary graphs for querying large knowledge graphs. *International Journal of Information Management Data Insights*, **2022**, 2, 100082	