Mara Abel

List of Publications by Year
in descending order

54	718	1040056 9	713466 21
papers	citations	h-index	g-index

54	54	54	801
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GeoReservoir: An ontology for deep-marine depositional system geometry description. Computers and Geosciences, 2022, 159, 105005.	4.2	6
2	Predicting the top-level ontological concepts of domain entities using word embeddings, informal definitions, and deep learning. Expert Systems With Applications, 2022, 203, 117291.	7.6	3
3	The GeoCore ontology: A core ontology for general use in Geology. Computers and Geosciences, 2020, 135, 104387.	4.2	22
4	A Density-Based Prototype Selection Approach. Lecture Notes in Computer Science, 2020, , 117-129.	1.3	0
5	Upper-Level Types of Occurrent Based on the Principle of Ontological Conservation. Lecture Notes in Computer Science, 2020, , 353-363.	1.3	1
6	An attraction-based approach for instance selection. , 2020, , .		1
7	What to consider about events: A survey on the ontology of occurrents. Applied Ontology, 2019, 14, 343-378.	2.0	9
8	A Subspace Hierarchical Clustering Algorithm for Categorical Data. , 2019, , .		2
9	An Efficient Approach for Semantic Relatedness Evaluation Based on Semantic Neighborhood. , 2019, , .		1
10	What Rocks Are Made of: Towards an Ontological Pattern for Material Constitution in the Geological Domain. Lecture Notes in Computer Science, 2019, , 275-286.	1.3	1
11	Efficient Instance Selection Based on Spatial Abstraction. , 2018, , .		8
12	An Efficient Prototype Selection Algorithm Based on Dense Spatial Partitions. Lecture Notes in Computer Science, 2018, , 288-300.	1.3	4
13	An Efficient Prototype Selection Algorithm Based on Spatial Abstraction. Lecture Notes in Computer Science, 2018, , 177-192.	1.3	3
14	Efficient Prototype Selection Supported by Subspace Partitions. , 2017, , .		7
15	An Ontological Model for Urinary Profiles. , 2017, , .		0
16	A Conceptual Framework for Rock Data Integration in Reservoir Models Based on Ontologies. International Journal of Monitoring and Surveillance Technologies Research, 2017, 5, 71-82.	0.3	2
17	A Novel Density-Based Approach for Instance Selection. , 2016, , .		13
18	An Ontology-Based Conceptual Framework to Improve Rock Data Quality in Reservoir Models. , 2016, , .		1

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19	Geochemical modeling of diagenetic reactions in Snorre Field reservoir sandstones: a comparative study of computer codes. Brazilian Journal of Geology, 2015, 45, 29-40.	0.7	14
20	A Density-Based Approach for Instance Selection. , 2015, , .		22
21	Exploring the IEEE ontology for robotics and automation for heterogeneous agent interaction. Robotics and Computer-Integrated Manufacturing, 2015, 33, 12-20.	9.9	16
22	Extensions to the core ontology for robotics and automation. Robotics and Computer-Integrated Manufacturing, 2015, 33, 3-11.	9.9	48
23	Representation of part-whole similarity in geology. Earth Science Informatics, 2015, 8, 77-94.	3.2	2
24	Ontological analysis for information integration in geomodeling. Earth Science Informatics, 2015, 8, 21-36.	3.2	7
25	Visual interpretation of events in petroleum exploration: An approach supported by well-founded ontologies. Expert Systems With Applications, 2015, 42, 2749-2763.	7.6	15
26	CBK-Modes: A Correlation-based Algorithm for Categorical Data Clustering. , 2015, , .		2
27	A Cognition-inspired Knowledge Representation Approach for Knowledge-based Interpretation Systems. , 2015, , .		4
28	RockQuery - An Ontology-based Data Querying Tool. , 2015, , .		0
29	Ontology View Extraction: An Approach Based on Ontological Meta-properties. , 2014, , .		11
30	An Ontology-Based Automatic Approach for Lithologic Correlation. , 2014, , .		2
31	Representing partâ€“whole relations in conceptual spaces. Cognitive Processing, 2014, 15, 127-142.	1.4	18
32	Visual Interpretation of Events in Petroleum Geology. , 2013, , .		5
33	An approach for grounding ontologies in raw data using foundational ontology. Information Systems, 2013, 38, 784-799.	3.6	6
34	Towards a core ontology for robotics and automation. Robotics and Autonomous Systems, 2013, 61, 1193-1204.	5.1	181
35	Defining positioning in a core ontology for robotics. , 2013, , .		16
36	Improving recommendations through an assumption-based multiagent approach: An application in the tourism domain. Expert Systems With Applications, 2011, 38, 14703-14714.	7.6	6

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37	Semantic image interpretation of gamma ray profiles in petroleum exploration. Expert Systems With Applications, 2011, 38, 3724-3734.	7.6	6
38	Enhancing the Quality of Recommendations through Expert and Trusted Agents. , 2011, , .		5
39	A Symbol Grounding Model for Semantic Interpretation of 2-D Line Charts. , 2010, , .		2
40	A Multiagent Recommender System with Task-Based Agent Specialization. Lecture Notes in Business Information Processing, 2010, , 103-116.	1.0	4
41	Ontological Primitives for Visual Knowledge. Lecture Notes in Computer Science, 2010, , 1-10.	1.3	6
42	A Trust Model for Multiagent Recommendations. Journal of Emerging Technologies in Web Intelligence, 2010, 2, .	0.6	7
43	Ontology for Imagistic Domains: Combining Textual and Pictorial Primitives. Lecture Notes in Computer Science, 2009, , 169-178.	1.3	6
44	K-ANNOTATIONS - An Approach for Conceptual Knowledge Implementation using Metadata Annotations. , 2009, , .		0
45	Knowledge Management for Shared Earth Modelling. , 2007, , .		4
46	Event Ordering Reasoning Ontology Applied to Petrology and Geological Modelling. , 2007, , 465-475.		3
47	Documenting Visual Quality Controls on the Evaluation of Petroleum Reservoir-Rocks Through Ontology-Based Image Annotation. , 2007, , 455-464.		0
48	Knowledge acquisition and interpretation problem-solving methods for visual expertise: S study of petroleum-reservoir evaluation. Journal of Petroleum Science and Engineering, 2005, 47, 51-69.	4.2	16
49	How to Model Visual Knowledge: A Study of Expertise in Oil-Reservoir Evaluation. Lecture Notes in Computer Science, 2004, , 455-464.	1.3	5
50	Enhancing digital libraries with TechLens+. , 2004, , .		164
51	PetroGrapher: managing petrographic data and knowledge using an intelligent database application. Expert Systems With Applications, 2004, 26, 9-18.	7.6	19
52	Evaluating case-based reasoning in a geological domain. Lecture Notes in Computer Science, 1995, , 364-373.	1.3	1
53	Hybrid Information Systems: Integrating Data and Knowledge Management. , 1994, , 119-129.		1
54	Ontologia e documento arquivÃstico: anÃ¡lise ontolÃ³gica para representaÃ§Ã£o semÃ¢ntica do documento arquivÃstico em BFO. Encontros Bibli, 0, 27, .	0.2	10