

Manuel Lama

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

931
citations

687363

13
h-index

580821

25
g-index

71
all docs

71
docs citations

71
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Semantic Web Service Discovery and Composition Framework. IEEE Transactions on Services Computing, 2016, 9, 537-550.	4.6	123
2	Automatic Web Service Composition with a Heuristic-Based Search Algorithm. , 2011, , .		80
3	Intelligent telemonitoring of critical-care patients. IEEE Engineering in Medicine and Biology Magazine, 1999, 18, 80-88.	0.8	54
4	Composition of web services through genetic programming. Evolutionary Intelligence, 2010, 3, 171-186.	3.6	54
5	ProDiGen: Mining complete, precise and minimal structure process models with a genetic algorithm. Information Sciences, 2015, 294, 315-333.	6.9	50
6	ODE SWS: a framework for designing and composing semantic Web services. IEEE Intelligent Systems, 2004, 19, 24-31.	4.0	46
7	Hybrid Optimization Algorithm for Large-Scale QoS-Aware Service Composition. IEEE Transactions on Services Computing, 2017, 10, 547-559.	4.6	46
8	Learning Analytics Framework for Educational Virtual Worlds. Procedia Computer Science, 2013, 25, 443-447.	2.0	34
9	Graph-based semantic annotation for enriching educational content with linked data. Knowledge-Based Systems, 2014, 55, 29-42.	7.1	30
10	An Optimal and Complete Algorithm for Automatic Web Service Composition. International Journal of Web Services Research, 2012, 9, 1-20.	0.8	29
11	Mining frequent patterns in process models. Information Sciences, 2019, 472, 235-257.	6.9	24
12	SmartLAK: A big data architecture for supporting learning analytics services. , 2015, , .		19
13	Machine scheduling in custom furniture industry through neuro-evolutionary hybridization. Applied Soft Computing Journal, 2011, 11, 1600-1613.	7.2	18
14	SoftLearn: A Process Mining Platform for the Discovery of Learning Paths. , 2014, , .		15
15	OPENET: Ontology-based engine for high-level Petri nets. Expert Systems With Applications, 2010, 37, 6493-6509.	7.6	14
16	Recompiling learning processes from event logs. Knowledge-Based Systems, 2016, 100, 160-174.	7.1	14
17	Learning analytics for the prediction of the educational objectives achievement. , 2014, , .		13
18	Using a learning analytics tool for evaluation in self-regulated learning. , 2014, , .		11

#	ARTICLE	IF	CITATIONS
19	Towards Textual Reporting in Learning Analytics Dashboards. , 2015, , .		11
20	Processing time estimations by variable structure TSK rules learned through genetic programming. Soft Computing, 2009, 13, 497-509.	3.6	10
21	Petri net-based engine for adaptive learning. Expert Systems With Applications, 2012, 39, 12799-12813.	7.6	10
22	A Hybrid Local-Global Optimization Strategy for QoS-Aware Service Composition. , 2015, , .		10
23	A Genetic Programming-Based Algorithm for Composing Web Services. , 2009, , .		9
24	Applying Multicriteria Algorithms to Restaurant Recommendation. , 2011, , .		9
25	Semantic Description of the Experience API Specification. , 2015, , .		8
26	A PDA-based interface for a computer supported educational system. , 0, , .		7
27	Study of communication in a multi-agent system for collaborative learning scenarios. , 2004, , .		7
28	Semantic Linking of a Learning Object Repository to DBpedia. , 2011, , .		7
29	Toward the use of Petri nets for the formalization of OWL-S choreographies. Knowledge and Information Systems, 2012, 32, 629-665.	3.2	7
30	Enhancing discovered processes with duplicate tasks. Information Sciences, 2016, 373, 369-387.	6.9	7
31	A Genetic Algorithm for Process Discovery Guided by Completeness, Precision and Simplicity. Lecture Notes in Computer Science, 2014, , 118-133.	1.3	7
32	Ontology-based approach for the validation and conformance testing of xAPI events. Knowledge-Based Systems, 2018, 155, 22-34.	7.1	6
33	A Vector-Based Classification Approach for Remaining Time Prediction in Business Processes. IEEE Access, 2019, 7, 128198-128212.	4.2	6
34	Processing times estimation in a manufacturing industry through genetic programming. , 2008, , .		5
35	A Petri net model for changing units of learning in runtime. Knowledge-Based Systems, 2013, 41, 26-42.	7.1	5
36	Hipster: An open source Java library for heuristic search. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
37	Repairing Alignments: Striking the Right Nerve. Lecture Notes in Business Information Processing, 2016, , 266-281.	1.0	5
38	WebLD: A Web Portal to Design IMS LD Units of Learning. , 2007, , .		4
39	OPENET LD: An Ontology-Based Petri Net Engine to Execute IMS LD Units of Learning. , 2009, , .		4
40	OPENET4VE: A Platform for the Execution of IMS LD Units of Learning in Virtual Environments. , 2010, , .		4
41	Integration of grid, cluster and cloud resources to semantically annotate a large-sized repository of learning objects. Concurrency Computation Practice and Experience, 2015, 27, 4603-4629.	2.2	4
42	Development of Semantic Web Services at the Knowledge Level. Lecture Notes in Computer Science, 2004, , 72-86.	1.3	4
43	On the use of an IMS LD ontology for creating and executing Units of Learning: Application to the Astronomy case study. Journal of Interactive Media in Education, 2008, 2008, 19.	1.7	4
44	A problem-solving method for "unprotocolised"™ therapy administration task in medicine. Artificial Intelligence in Medicine, 1999, 17, 157-180.	6.5	3
45	A multi-tiered agent-based architecture for a cooperative learning environment. , 2003, , .		3
46	Workflow-based information system for furniture budgeting. , 0, , .		3
47	An Adaptive Evolutionary Algorithm for Production Planning in Wood Furniture Industry. , 2006, , .		3
48	A Workflow Modeling Framework Enhanced with Problem-Solving Knowledge. Lecture Notes in Computer Science, 2006, , 623-632.	1.3	3
49	Semantic Annotation of Educational Resources through Linked Data. Lecture Notes in Computer Science, 2011, , 311-320.	1.3	3
50	Application of Petri Nets on the Execution of IMS Learning Design Documents. Lecture Notes in Computer Science, 2008, , 461-466.	1.3	3
51	Semantic Modeling of the IMS LD Level B Specification. , 0, , .		2
52	Using Ontologies to Model and Execute IMS Learning Design Documents. , 0, , .		2
53	Hybrid Approach for Machine Scheduling Optimization in Custom Furniture Industry. , 2008, , .		2
54	Dynamic Adaptation in OPENET4LD. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
55	Recommending Teachers for Collaborative Authoring Tools. , 2011, , .		2
56	Semantic Integration of Social Information in Learning Systems. , 2012, , .		2
57	A practical experience concerning the parallel semantic annotation of a large-scale data collection. , 2013, , .		2
58	Towards a folksonomy solution to support open educational activities and resources in Edu-AREA. , 2014, , .		2
59	Modelling and Implementation of the Astronomy Case Study with an IMS-LD Ontology. , 0, , .		1
60	An evolutionary approach for learning the weight of relations in linked data. , 2011, , .		1
61	A Keyword Recommendation Experiment to Support Information Organization and Folksonomies in Edu-AREA. Revista Iberoamericana De Tecnologías Del Aprendizaje, 2015, 10, 60-68.	0.9	1
62	Comparative study of xAPI validation tools. , 2017, , .		1
63	Combining Uncorrelated Similarity Measures for Service Discovery. Lecture Notes in Computer Science, 2012, , 160-180.	1.3	1
64	Simplified Workflow Representation of IMS Learning Design. Lecture Notes in Computer Science, 2011, , 533-546.	1.3	1
65	Knowledge-Based Framework for Workflow Modelling: Application to the Furniture Industry. Lecture Notes in Computer Science, 2010, , 175-184.	1.3	0