Fernanda Araujo Baiao

List of Publications by Year
in descending order

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71 papers	1,241 citations	623574 14 h-index	454834 30 g-index
74 all docs	74 docs citations	74 times ranked	1656 citing authors

#	Article	IF	Citations
1	Characterisation of the first 250â€˜000 hospital admissions for COVID-19 in Brazil: a retrospective analysis of nationwide data. Lancet Respiratory Medicine,the, 2021, 9, 407-418.	5.2	309
2	SciCumulus: A Lightweight Cloud Middleware to Explore Many Task Computing Paradigm in Scientific Workflows. , 2010, , .		89
3	A Provenance-based Adaptive Scheduling Heuristic for Parallel Scientific Workflows in Clouds. Journal of Grid Computing, 2012, 10, 521-552.	2.5	79
4	Analysis of COVID-19 under-reporting in Brazil. Revista Brasileira De Terapia Intensiva, 2020, 32, 224-228.	0.1	77
5	Sociodemographic factors associated with COVID-19 in-hospital mortality in Brazil. Public Health, 2021, 192, 15-20.	1.4	49
6	Detection of naming convention violations in process models for different languages. Decision Support Systems, 2013, 56, 310-325.	3.5	42
7	KIPO: the knowledge-intensive process ontology. Software and Systems Modeling, 2015, 14, 1127-1157.	2.2	42
8	A Method for Service Identification from Business Process Models in a SOA Approach. Lecture Notes in Business Information Processing, 2009, , 99-112.	0.8	41
9	The Common Ontology of Value and Risk. Lecture Notes in Computer Science, 2018, , 121-135.	1.0	39
10	Business process mining from group stories. , 2009, , .		38
11	Towards a Taxonomy for Cloud Computing from an e-Science Perspective. Computer Communications and Networks, 2010, , 47-62.	0.8	34
12	An adaptive parallel execution strategy for cloudâ€based scientific workflows. Concurrency Computation Practice and Experience, 2012, 24, 1531-1550.	1.4	31
13	Towards Collaboration Maturity in Business Processes: An Exploratory Study in Oil Production Processes. Information Systems Management, 2008, 25, 302-318.	3.2	27
14	The Role of Foundational Ontologies for Domain Ontology Engineering. International Journal of Information System Modeling and Design, 2010, 1, 1-22.	0.9	26
15	Performance evaluation of parallel strategies in public clouds: A study with phylogenomic workflows. Future Generation Computer Systems, 2013, 29, 1816-1825.	4.9	24
16	Towards characterizing Knowledge Intensive Processes. , 2012, , .		17
17	Discovering collaborative knowledge-intensive processes through e-mail mining. Journal of Network and Computer Applications, 2013, 36, 1451-1465.	5.8	17
18	A Distribution Design Methodology for Object DBMS. Distributed and Parallel Databases, 2004, 16, 45-90.	1.0	15

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19	App-based symptom tracking to optimize SARS-CoV-2 testing strategy using machine learning. PLoS ONE, 2021, 16, e0248920.	1.1	15
20	Progression of confirmed COVID-19 cases after the implementation of control measures. Revista Brasileira De Terapia Intensiva, 2020, 32, 213-223.	0.1	14
21	Managing structural genomic workflows using Web services. Data and Knowledge Engineering, 2005, 53, 45-74.	2.1	13
22	Efficiently Processing XML Queries over Fragmented Repositories with PartiX. Lecture Notes in Computer Science, 2006, , 150-163.	1.0	12
23	A<scp>lin</scp>: improving interactive ontology matching by interactively revising mapping suggestions. Knowledge Engineering Review, 2020, 35, .	2.1	11
24	Declarative Process Mining: Reducing Discovered Models Complexity by Pre-Processing Event Logs. Lecture Notes in Computer Science, 2014, , 400-407.	1.0	11
25	A Performance Evaluation of X-Ray Crystallography Scientific Workflow Using SciCumulus. , 2011, , .		10
26	Discovering Business Rules in Knowledge-Intensive Processes Through Decision Mining: An Experimental Study. Lecture Notes in Business Information Processing, 2018, , 556-567.	0.8	9
27	Discovering Business Rules through Process Mining. Lecture Notes in Business Information Processing, 2009, , 136-148.	0.8	9
28	Measuring Performance in Knowledge-intensive Processes. ACM Transactions on Internet Technology, 2019, 19, 1-26.	3.0	8
29	On the Importance of Truly Ontological Distinctions for Ontology Representation Languages: An Industrial Case Study in the Domain of Oil and Gas. Lecture Notes in Business Information Processing, 2009, , 224-236.	0.8	8
30	A case study on designing business processes based on collaborative and mining approaches. , 2010, , .		7
31	Analysis of Knowledge-Intensive Processes Focused on the Communication Perspective. Lecture Notes in Computer Science, 2017, , 269-285.	1.0	7
32	Ontology Alignment for Semantic Data Integration through Foundational Ontologies. Lecture Notes in Computer Science, 2012, , 172-181.	1.0	7
33	Foundational ontologies, ontologyâ€driven conceptual modeling, and their multiple benefits to data mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1408.	4.6	6
34	Extending WordNet with UFO foundational ontology. Web Semantics, 2019, 57, 100499.	2.2	5
35	Predicting drug sensitivity of cancer cells based on DNA methylation levels. PLoS ONE, 2021, 16, e0238757.	1.1	5
36	Evaluating KIPN for Modeling KIP. Lecture Notes in Business Information Processing, 2014, , 549-561.	0.8	5

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37	A Practical Experience in Designing Business Processes to Improve Collaboration. Lecture Notes in Computer Science, 2008, , 156-168.	1.0	5
38	Identifying Ruptures in Business-IT Communication through Business Models. Lecture Notes in Business Information Processing, 2011, , 311-325.	0.8	5
39	Expressing action assertions in foundational-based domain ontologies. , 2010, , .		4
40	Learning Ontology from Text: A Storytelling Exploratory Case Study. Lecture Notes in Business Information Processing, 2015, , 477-491.	0.8	4
41	Ontological Analysis and Redesign of Risk Modeling in ArchiMate. , 2018, , .		4
42	DCR-KiPN a Hybrid Modeling Approach for Knowledge-Intensive Processes. Lecture Notes in Computer Science, 2019, , 153-161.	1.0	4
43	Context-Sensitive Textual Recommendations for Incomplete Process Model Elements. Lecture Notes in Computer Science, 2015, , 189-197.	1.0	4
44	A Linguistic Approach to Conceptual Modeling with Semantic Types and OntoUML. , 2010, , .		3
45	An architecture to support information sources discovery through semantic search. , 2011, , .		3
46	eMail Mining: Knowledge intensive process discovery through e-mails. , 2012, , .		3
47	Collaboration support for knowledge-intensive processes through a service-based approach. , 2013, , .		3
48	Learning Well-Founded Ontologies through Word Sense Disambiguation. , 2013, , .		3
49	Towards Planning Scientific Experiments through Declarative Model Discovery in Provenance Data. , 2014, , .		3
50	Towards a context-based representation of the dynamicity perspective in knowledge-intensive processes. , 2015, , .		3
51	KiPN: a visual notation for knowledge-intensive processes. International Journal of Business Process Integration and Management, 2019, 9, 197.	0.2	3
52	Deviance mining with treatment learning and declare-based encoding of event logs. Expert Systems With Applications, 2022, 187, 115962.	4.4	3
53	A Semantic Oriented Method for Conceptual Data Modeling in OntoUML Based on Linguistic Concepts. Lecture Notes in Computer Science, 2011, , 486-494.	1.0	3
54	IdentificaÃ§Ã£o de regras de negÃ³cio utilizando mineraÃ§Ã£o de processos. , 2008, , .		2

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55	Towards Knowledge-Intensive Processes Representation. Lecture Notes in Business Information Processing, 2013, , 126-136.	0.8	2
56	Outer-Tuning. , 2019, , .		2
57	An Ontological Perspective for Database Tuning Heuristics. Lecture Notes in Computer Science, 2019, , 240-254.	1.0	2
58	Collaborative narratives for business rule elicitation. , 2011, , .		1
59	An Exploratory Study on Collaboratively Conceptualizing Knowledge Intensive Processes. Lecture Notes in Business Information Processing, 2012, , 46-60.	0.8	1
60	Watch Out and Improve IT: Adapting COBIT 5.0 Framework Based on External Context Discovery. Communications in Computer and Information Science, 2013, , 426-439.	0.4	1
61	Privacy and Transparency within the 4IR: Two faces of the same coin. , 2019, , .		1
62	Thinking Out of the Box: Discovering the Relevance of External Context to Business Processes. Communications in Computer and Information Science, 2013, , 455-470.	0.4	1
63	Discovering Intentions and Desires Within Knowledge Intensive Processes. Lecture Notes in Business Information Processing, 2016, , 273-285.	0.8	1
64	Decision-Making in Knowledge-intensive Processes: The Case of Value Ascription and Goal Processing. Lecture Notes in Computer Science, 2019, , 363-377.	1.0	1
65	Automatic Validation of Knowledge-intensive Process Models through Alloy. , 2018, , .		0
66	Exploratory Search as a Knowledge-intensive Process. , 2018, , .		0
67	The Role of Context Within the Interactions of Knowledge Intensive Processes. Lecture Notes in Computer Science, 2017, , 471-483.	1.0	0
68	Speech Acts Featuring Decisions in Knowledge-Intensive Processes. Lecture Notes in Computer Science, 2018, , 222-237.	1.0	0
69	Extending WordNet with UFO Foundational Ontology. SSRN Electronic Journal, 0, , .	0.4	0
70	KIPO Opportunities for Interoperability Decisions in Systems-of-Information Systems in the Domain of Environmental Management. Communications in Computer and Information Science, 2020, , 21-41.	0.4	0
71	IDEAÃ‡ÃƒO DA REFORMA CURRICULAR DO CURSO DE ENGENHARIA DE PRODUÃ‡ÃƒO DA PUC-Rio COM BASE NAS NOVAS DCNs. , 0, , 11-31.		0