

Ricardo Perez-Castillo

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

771
citations

687220

13
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610775

24
g-index

74
all docs

74
docs citations

74
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Knowledge Discovery Metamodel-ISO/IEC 19506: A standard to modernize legacy systems. Computer Standards and Interfaces, 2011, 33, 519-532.	3.8	81
2	Analyzing the Harmful Effect of God Class Refactoring on Power Consumption. IEEE Software, 2014, 31, 48-54.	2.1	69
3	Business process archeology using MARBLE. Information and Software Technology, 2011, 53, 1023-1044.	3.0	50
4	Generating event logs from non-process-aware systems enabling business process mining. Enterprise Information Systems, 2011, 5, 301-335.	3.3	49
5	Toward a Quantum Software Engineering. IT Professional, 2021, 23, 62-66.	1.4	43
6	Software modernization to embrace quantum technology. Advances in Engineering Software, 2021, 151, 102933.	1.8	34
7	Business process model refactoring applying IBUPROFEN. An industrial evaluation. Journal of Systems and Software, 2019, 147, 86-103.	3.3	19
8	Process mining through dynamic analysis for modernising legacy systems. IET Software, 2011, 5, 304.	1.5	18
9	MARBLE. A business process archeology tool. , 2011, , .		17
10	Software modernization by recovering Web services from legacy databases. Journal of Software: Evolution and Process, 2013, 25, 507-533.	1.2	17
11	On the Use of ADM to Contextualize Data on Legacy Source Code for Software Modernization. , 2009, , .		16
12	A systematic mapping study on enterprise architecture mining. Enterprise Information Systems, 2019, 13, 675-718.	3.3	16
13	Modelling Quantum Circuits with UML. , 2021, , .		16
14	Implementing Business Process Recovery Patterns through QVT Transformations. Lecture Notes in Computer Science, 2010, , 168-183.	1.0	16
15	New Approach to Improve High-Voltage Transmission Line Reliability. IEEE Transactions on Power Delivery, 2009, 24, 1515-1520.	2.9	15
16	A family of case studies on business process mining using MARBLE. Journal of Systems and Software, 2012, 85, 1370-1385.	3.3	15
17	Architecture-Driven Modernization. Advances in Computer and Electrical Engineering Book Series, 0, , 75-103.	0.2	15
18	Assessing event correlation in non-process-aware information systems. Software and Systems Modeling, 2014, 13, 1117.	2.2	13

#	ARTICLE	IF	CITATIONS
19	A case study on business process recovery using an e-government system. <i>Software - Practice and Experience</i> , 2012, 42, 159-189.	2.5	13
20	DAQUA-MASS: An ISO 8000-61 Based Data Quality Management Methodology for Sensor Data. <i>Sensors</i> , 2018, 18, 3105.	2.1	13
21	Artifact-based vs. human-perceived understandability and modifiability of refactored business processes: An experiment. <i>Journal of Systems and Software</i> , 2018, 144, 143-164.	3.3	13
22	Data Quality Best Practices in IoT Environments. , 2018, , .		12
23	Reengineering Technologies. <i>IEEE Software</i> , 2011, 28, 13-17.	2.1	11
24	MARBLE: Modernization approach for recovering business processes from legacy information systems. , 2012, , .		11
25	Enterprise Architecture. <i>IEEE Software</i> , 2019, 36, 12-19.	2.1	10
26	Towards a Modernization Process for Secure Data Warehouses. <i>Lecture Notes in Computer Science</i> , 2009, , 24-35.	1.0	8
27	On the use of patterns to recover business processes. , 2010, , .		8
28	Organizational process maturity model for IoT data quality management. <i>Journal of Industrial Information Integration</i> , 2022, 26, 100256.	4.3	8
29	Assessing the best-order for business process model refactoring. , 2013, , .		7
30	A decision-making support system for Enterprise Architecture Modelling. <i>Decision Support Systems</i> , 2020, 131, 113249.	3.5	7
31	Toward Obtaining Event Logs from Legacy Code. <i>Lecture Notes in Business Information Processing</i> , 2011, , 201-207.	0.8	7
32	Integrating event logs into KDM repositories. , 2012, , .		6
33	ArchiRevâ€”Reverse engineering of information systems toward ArchiMate models. An industrial case study. <i>Journal of Software: Evolution and Process</i> , 2021, 33, e2314.	1.2	5
34	A Systematic Mapping Study on Analysis of Code Repositories. <i>Informatica</i> , 2021, , 619-660.	1.5	5
35	An empirical comparison of static and dynamic business process mining. , 2011, , .		4
36	Ontology-based similarity applied to business process clustering. <i>Journal of Software: Evolution and Process</i> , 2014, 26, 1128-1149.	1.2	4

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37	Improving the experience of teaching Scrum. , 2018, , .		4
38	Design of classical-quantum systems with UML. Computing (Vienna/New York), 2022, 104, 2375-2403.	3.2	4
39	Obtaining Thresholds for the Effectiveness of Business Process Mining. , 2011, , .		3
40	KDM to UML Model Transformation for Quantum Software Modernization. Communications in Computer and Information Science, 2021, , 211-224.	0.4	3
41	Green Software Maintenance. , 2015, , 205-229.		3
42	Repairing Business Process Models as Retrieved from Source Code. Lecture Notes in Business Information Processing, 2013, , 94-108.	0.8	3
43	MEPLAMECAL: A Methodology Based on ISO/IEC 15939 to Elaborate Data Quality Measurement Plans. IEEE Latin America Transactions, 2009, 7, 361-368.	1.2	2
44	PRECISO: A Reverse Engineering Tool to Discover Web Services from Relational Databases. , 2009, , .		2
45	A teaching experience on software reengineering. , 2013, , .		2
46	Understanding Legacy Architecture Patterns. , 2015, , .		2
47	Empirical Assessment of Business Model Transformations Based on Model Simulation. Lecture Notes in Computer Science, 2012, , 137-151.	1.0	2
48	MIMOS, System Model-Driven Migration Project. , 2013, , .		1
49	An empirical study on how project context impacts on code cloning. Journal of Software: Evolution and Process, 2018, 30, e2115.	1.2	1
50	A method for transforming knowledge discovery metamodel to ArchiMate models. Software and Systems Modeling, 2022, 21, 311-336.	2.2	1
51	Improving Business Process Model after Reverse Engineering. Communications in Computer and Information Science, 2013, , 218-228.	0.4	1
52	Service Retrieval for Service-Oriented Business Process Modeling. Communications in Computer and Information Science, 2013, , 151-163.	0.4	1
53	Correlation of Business Activities Executed in Legacy Information Systems. Communications in Computer and Information Science, 2013, , 48-63.	0.4	1
54	Model-Driven Reengineering. , 0, , 200-229.		1

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55	Developing Data Quality Aware Applications. , 2009, , .		0
56	Diagnosis of software erosion through fuzzy logic. , 2011, , .		0
57	A Practical Teaching Experience about Software Reengineering. Procedia, Social and Behavioral Sciences, 2013, 83, 254-260.	0.5	0
58	CONCEPT LOCATION MODELING THROUGH BUSINESS PROCESS VIEWS. International Journal of Cooperative Information Systems, 2013, 22, 1350005.	0.6	0
59	Using text mining to locate concepts in execution traces. , 2015, , .		0
60	Mainframe Migration Based on Screen Scraping. , 2018, , .		0
61	Special issue on quality management for information systems. Software Quality Journal, 2020, 28, 891-894.	1.4	0
62	Model-Driven Reverse Engineering of Open Source Systems. Advances in Business Information Systems and Analytics Book Series, 2014, , 139-160.	0.3	0
63	Model-Driven Reverse Engineering of Open Source Systems. , 2015, , 1966-1987.		0
64	A Teaching Experience on Information Systems Auditing. Advances in Intelligent Systems and Computing, 2019, , 114-122.	0.5	0
65	A New Approach for Information System Audit Teaching. Journal of Universal Computer Science, 2020, 26, 624-646.	0.6	0
66	Understanding the Impact of Development Efforts in Code Quality. Journal of Universal Computer Science, 2021, 27, 1096-1127.	0.6	0
67	QRev: migrating quantum code towards hybrid information systems. Software Quality Journal, 2022, 30, 551-580.	1.4	0
68	Fundamentals of Business Process Archeology. Advances in Business Information Systems and Analytics Book Series, 0, , 1-18.	0.3	0
69	Fundamentals of Business Process Archeology. , 0, , 1-19.		0
70	Model-Driven Reverse Engineering of Open Source Systems. , 0, , 1029-1051.		0
71	Special issue on information systems quality management in practice. Software Quality Journal, 0, , 1.	1.4	0