Ricardo Perez-Castillo

List of Publications by Year
in descending order

71 papers	**771** citations	686830 **13** h-index	610482 **24** g-index
74 all docs	**74** docs citations	**74** times ranked	**446** citing authors

#	Article	IF	Citations
1	Organizational process maturity model for IoT data quality management. Journal of Industrial Information Integration, 2022, 26, 100256.	4.3	8
2	A method for transforming knowledge discovery metamodel to ArchiMate models. Software and Systems Modeling, 2022, 21, 311-336.	2.2	1
3	QRev: migrating quantum code towards hybrid information systems. Software Quality Journal, 2022, 30, 551-580.	1.4	0
4	Design of classical-quantum systems with UML. Computing (Vienna/New York), 2022, 104, 2375-2403.	3.2	4
5	Software modernization to embrace quantum technology. Advances in Engineering Software, 2021, 151, 102933.	1.8	34
6	ArchiRevâ€"Reverse engineering of information systems toward ArchiMate models. An industrial case study. Journal of Software: Evolution and Process, 2021, 33, e2314.	1.2	5
7	A Systematic Mapping Study on Analysis of Code Repositories. Informatica, 2021, , 619-660.	1.5	5
8	Modelling Quantum Circuits with UML. , 2021, , .		16
9	Toward a Quantum Software Engineering. IT Professional, 2021, 23, 62-66.	1.4	43
10	KDM to UML Model Transformation for Quantum Software Modernization. Communications in Computer and Information Science, 2021, , 211-224.	0.4	3
11	Understanding the Impact of Development Efforts in Code Quality. Journal of Universal Computer Science, 2021, 27, 1096-1127.	0.6	0
12	A decision-making support system for Enterprise Architecture Modelling. Decision Support Systems, 2020, 131, 113249.	3.5	7
13	Special issue on quality management for information systems. Software Quality Journal, 2020, 28, 891-894.	1.4	0
14	A New Approach for Information System Audit Teaching. Journal of Universal Computer Science, 2020, 26, 624-646.	0.6	0
15	Enterprise Architecture. IEEE Software, 2019, 36, 12-19.	2.1	10
16	A systematic mapping study on enterprise architecture mining. Enterprise Information Systems, 2019, 13, 675-718.	3.3	16
17	Business process model refactoring applying IBUPROFEN. An industrial evaluation. Journal of Systems and Software, 2019, 147, 86-103.	3.3	19
18	A Teaching Experience on Information Systems Auditing. Advances in Intelligent Systems and Computing, 2019, , 114-122.	0.5	0

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19	Data Quality Best Practices in IoT Environments. , 2018, , .		12
20	Mainframe Migration Based on Screen Scraping. , 2018, , .		0
21	An empirical study on how project context impacts on code cloning. Journal of Software: Evolution and Process, 2018, 30, e2115.	1.2	1
22	DAQUA-MASS: An ISO 8000-61 Based Data Quality Management Methodology for Sensor Data. Sensors, 2018, 18, 3105.	2.1	13
23	Improving the experience of teaching Scrum. , 2018, , .		4
24	Artifact-based vs. human-perceived understandability and modifiability of refactored business processes: An experiment. Journal of Systems and Software, 2018, 144, 143-164.	3.3	13
25	Using text mining to locate concepts in execution traces. , 2015, , .		0
26	Green Software Maintenance. , 2015, , 205-229.		3
27	Understanding Legacy Architecture Patterns. , 2015, , .		2
28	Model-Driven Reverse Engineering of Open Source Systems. , 2015, , 1966-1987.		0
29	Assessing event correlation in non-process-aware information systems. Software and Systems Modeling, 2014, 13, 1117.	2.2	13
30	Analyzing the Harmful Effect of God Class Refactoring on Power Consumption. IEEE Software, 2014, 31, 48-54.	2.1	69
31	Ontology-based similarity applied to business process clustering. Journal of Software: Evolution and Process, 2014, 26, 1128-1149.	1.2	4
32	Model-Driven Reverse Engineering of Open Source Systems. Advances in Business Information Systems and Analytics Book Series, 2014, , 139-160.	0.3	0
33	Software modernization by recovering Web services from legacy databases. Journal of Software: Evolution and Process, 2013, 25, 507-533.	1.2	17
34	MIMOS, System Model-Driven Migration Project. , 2013, , .		1
35	A teaching experience on software reengineering. , 2013, , .		2
36	A Practical Teaching Experience about Software Reengineering. Procedia, Social and Behavioral Sciences, 2013, 83, 254-260.	0.5	0

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37	Assessing the best-order for business process model refactoring. , 2013, , .		7
38	CONCEPT LOCATION MODELING THROUGH BUSINESS PROCESS VIEWS. International Journal of Cooperative Information Systems, 2013, 22, 1350005.	0.6	0
39	Improving Business Process Model after Reverse Engineering. Communications in Computer and Information Science, 2013, , 218-228.	0.4	1
40	Service Retrieval for Service-Oriented Business Process Modeling. Communications in Computer and Information Science, 2013, , 151-163.	0.4	1
41	Correlation of Business Activities Executed in Legacy Information Systems. Communications in Computer and Information Science, 2013, , 48-63.	0.4	1
42	Repairing Business Process Models as Retrieved from Source Code. Lecture Notes in Business Information Processing, 2013, , 94-108.	0.8	3
43	Integrating event logs into KDM repositories. , 2012, , .		6
44	MARBLE: Modernization approach for recovering business processes from legacy information systems. , 2012, , .		11
45	A case study on business process recovery using an eâ€government system. Software - Practice and Experience, 2012, 42, 159-189.	2.5	13
46	A family of case studies on business process mining using MARBLE. Journal of Systems and Software, 2012, 85, 1370-1385.	3.3	15
47	Empirical Assessment of Business Model Transformations Based on Model Simulation. Lecture Notes in Computer Science, 2012, , 137-151.	1.0	2
48	Diagnosis of software erosion through fuzzy logic. , 2011, , .		0
49	Obtaining Thresholds for the Effectiveness of Business Process Mining. , 2011, , .		3
50	Process mining through dynamic analysis for modernising legacy systems. IET Software, 2011, 5, 304.	1.5	18
51	Reengineering Technologies. IEEE Software, 2011, 28, 13-17.	2.1	11
52	Knowledge Discovery Metamodel-ISO/IEC 19506: A standard to modernize legacy systems. Computer Standards and Interfaces, 2011, 33, 519-532.	3.8	81
53	Business process archeology using MARBLE. Information and Software Technology, 2011, 53, 1023-1044.	3.0	50
54	Generating event logs from non-process-aware systems enabling business process mining. Enterprise Information Systems, 2011, 5, 301-335.	3.3	49

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55	MARBLE. A business process archeology tool. , 2011, , .		17
56	An empirical comparison of static and dynamic business process mining. , 2011, , .		4
57	Toward Obtaining Event Logs from Legacy Code. Lecture Notes in Business Information Processing, 2011, , 201-207.	0.8	7
58	On the use of patterns to recover business processes. , 2010, , .		8
59	Implementing Business Process Recovery Patterns through QVT Transformations. Lecture Notes in Computer Science, 2010, , 168-183.	1.0	16
60	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
61	Towards a Modernization Process for Secure Data Warehouses. Lecture Notes in Computer Science, 2009, , 24-35.	1.0	8
62	On the Use of ADM to Contextualize Data on Legacy Source Code for Software Modernization. , 2009, , .		16
63	New Approach to Improve High-Voltage Transmission Line Reliability. IEEE Transactions on Power Delivery, 2009, 24, 1515-1520.	2.9	15
64	Developing Data Quality Aware Applications. , 2009, , .		0
65	PRECISO: A Reverse Engineering Tool to Discover Web Services from Relational Databases. , 2009, , .		2
66	Architecture-Driven Modernization. Advances in Computer and Electrical Engineering Book Series, 0, , 75-103.	0.2	15
67	Fundaments of Business Process Archeology. Advances in Business Information Systems and Analytics Book Series, 0, , 1-18.	0.3	0
68	Fundaments of Business Process Archeology. , 0, , 1-19.		0
69	Model-Driven Reverse Engineering of Open Source Systems. , 0, , 1029-1051.		0
70	Model-Driven Reengineering. , 0, , 200-229.		1
71	Special issue on information systems quality management in practice. Software Quality Journal, 0, , 1.	1.4	0