Ismael Caballero

List of Publications by Year
in descending order

52 papers	**637** citations	687363 **13** h-index	677142 **22** g-index
52 all docs	**52** docs citations	**52** times ranked	**576** citing authors

#	Article	IF	Citations
1	Organizational process maturity model for IoT data quality management. Journal of Industrial Information Integration, 2022, 26, 100256.	6.4	8
2	Eco-friendly Database Space Saving Using Proxy Attributes. Journal of Computer Science and Technology(Argentina), 2022, 22, e04.	0.8	0
3	BR4DQ: A methodology for grouping business rules for data quality evaluation. Information Systems, 2022, 109, 102058.	3.6	5
4	DMN4DQ: When data quality meets DMN. Decision Support Systems, 2021, 141, 113450.	5.9	13
5	Measuring Variability in Acute Myocardial Infarction Coding Using a Statistical Process Control and Probabilistic Temporal Data Quality Control Approaches. Advances in Intelligent Systems and Computing, 2021, , 193-202.	0.6	1
6	Data quality certification using ISO/IEC 25012: Industrial experiences. Journal of Systems and Software, 2021, 176, 110938.	4.5	25
7	Analysis of root causes of problems affecting the quality of hospital administrative data: A systematic review and Ishikawa diagram. International Journal of Medical Informatics, 2021, 156, 104584.	3.3	13
8	Measuring data credibility and medical coding: a case study using a nationwide Portuguese inpatient database. Software Quality Journal, 2020, 28, 1043-1061.	2.2	4
9	Towards a software quality certification of master data-based applications. Software Quality Journal, 2020, 28, 1019-1042.	2.2	2
10	Protocol for Analysis of Root Causes of Problems Affecting the Quality of the Diagnosis Related Group-Based Hospital Data: A Rapid Review and Delphi Process. Advances in Intelligent Systems and Computing, 2020, , 93-103.	0.6	1
11	Extending Data Quality Management for Smart Connected Product Operations. IEEE Access, 2019, 7, 144663-144678.	4.2	14
12	Toward the Measure of Credibility of Hospital Administrative Datasets in the Context of DRG Classification. Communications in Computer and Information Science, 2019, , 289-296.	0.5	2
13	DMN for Data Quality Measurement and Assessment. Lecture Notes in Business Information Processing, 2019, , 362-374.	1.0	4
14	Data Quality Best Practices in IoT Environments. , 2018, , .		12
15	From big data to smart data: a data quality perspective. , 2018, , .		9
16	DAQUA-MASS: An ISO 8000-61 Based Data Quality Management Methodology for Sensor Data. Sensors, 2018, 18, 3105.	3.8	13
17	Improving the experience of teaching Scrum. , 2018, , .		4
18	MAMD 2.0: Environment for data quality processes implantation based on ISO 8000-6X and ISO/IEC 33000. Computer Standards and Interfaces, 2017, 54, 139-151.	5.4	15

#	Article	IF	Citations
19	Towards a service architecture for master data exchange based on ISO 8000 with support to process large datasets. Computer Standards and Interfaces, 2017, 54, 94-104.	5.4	13
20	Configuration/Infrastructure-aware testing of MapReduce programs. Advances in Science, Technology and Engineering Systems, 2017, 2, 90-96.	0.5	5
21	The Importance of the Security Culture in SMEs as Regards the Correct Management of the Security of Their Assets. Future Internet, 2016, 8, 30.	3.8	11
22	Infrastructure-Aware Functional Testing of MapReduce Programs. , 2016, , .		4
23	PAIS-DQ: Extending process-aware information systems to support data quality in PAIS life-cycle. , 2016, , .		1
24	A Data Quality in Use model for Big Data. Future Generation Computer Systems, 2016, 63, 123-130.	7.5	123
25	MAMD: Towards a Data Improvement Model Based on ISO 8000-6X and ISO/IEC 33000. Communications in Computer and Information Science, 2016, , 241-253.	0.5	2
26	I8K|DQ-BigData: I8K Architecture Extension for Data Quality in Big Data. Lecture Notes in Computer Science, 2015, , 164-172.	1.3	4
27	A Data Quality in Use Model for Big Data. Lecture Notes in Computer Science, 2014, , 65-74.	1.3	28
28	Software modernization by recovering Web services from legacy databases. Journal of Software: Evolution and Process, 2013, 25, 507-533.	1.6	17
29	Capturing data quality requirements for web applications by means of DQ_WebRE. Information Systems Frontiers, 2013, 15, 433-445.	6.4	14
30	Enhancing knowledge management capabilities in web-based decision aids using fuzzy prototypes and Data Quality criteria. , 2013, , .		0
31	Towards an ontology for global software development. IET Software, 2012, 6, 214.	2.1	15
32	An approach to web-based Personal Health Records filtering using fuzzy prototypes and data quality criteria. Information Processing and Management, 2012, 48, 451-466.	8.6	14
33	A BPMN Extension for Including Data Quality Requirements in Business Process Modeling. Lecture Notes in Business Information Processing, 2012, , 116-125.	1.0	26
34	Capturing data quality requirements for web applications by means of DQ_WebRE. , 2011, , .		2
35	Information and data quality in networked business. Electronic Markets, 2011, 21, 79-81.	8.1	18
36	Information and data quality in business networking: a key concept for enterprises in its early stages of development. Electronic Markets, 2011, 21, 83-97.	8.1	21

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37	A Survey on How to Manage Specific Data Quality Requirements during Information System Development. Communications in Computer and Information Science, 2011, , 16-30.	0.5	7
38	Deployment of broadband wireless access for E-health in Chinese rural areas. , 2010, , .		2
39	Quality in Use Model for Web Portals (QiUWeP). Lecture Notes in Computer Science, 2010, , 91-101.	1.3	22
40	Preparing Students and Engineers for Global Software Development: A Systematic Review. , 2010, , .		47
41	PRECISO. , 2009, , .		13
42	MEPLAMECAL: A Methodology Based on ISO/IEC 15939 to Elaborate Data Quality Measurement Plans. IEEE Latin America Transactions, 2009, 7, 361-368.	1.6	2
43	Optimal Data Quality in Project Management for Global Software Developments. , 2009, , .		3
44	Web-Based Personal Health Records Filtering Using Fuzzy Prototypes and Data Quality Criteria. , 2009, , .		0
45	PRECISO: A Reverse Engineering Tool to Discover Web Services from Relational Databases. , 2009, , .		2
46	Tailoring Data Quality Models Using Social Network Preferences. Lecture Notes in Computer Science, 2009, , 152-166.	1.3	3
47	ESTABLISHING TRUST NETWORKS BASED ON DATA QUALITY CRITERIA FOR SELECTING DATA SUPPLIERS. , 2009, , .		0
48	A proposal for a set of attributes relevant for Web portal data quality. Software Quality Journal, 2008, 16, 513-542.	2.2	57
49	Assessment and Improvement of Information Quality. , 2007, , 119-144.		0
50	Defining a Data Quality Model for Web Portals. Lecture Notes in Computer Science, 2006, , 363-374.	1.3	13
51	Defining a quality model for portal data. , 2006, , .		1
52	A First Approach to a Data Quality Model for Web Portals. Lecture Notes in Computer Science, 2006, , 984-993.	1.3	2