

# Ambrosio Toval

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

3,092  
citations

304602

22  
h-index

189801

50  
g-index

101  
all docs

101  
docs citations

101  
times ranked

3247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Taking the pulse of a classroom with a gamified audience response system. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 213, 106459.	2.6	11
2	Reviewing the features and functionalities of contraception mPHRs. <i>Health Policy and Technology</i> , 2022, 11, 100633.	1.3	1
3	Energy efficiency in software: A case study on sustainability in personal health records. <i>Journal of Cleaner Production</i> , 2021, 282, 124262.	4.6	12
4	A Study on the Relationship between Usability of GUIs and Power Consumption of a PC: The Case of PHRs. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1385.	1.2	2
5	Intracranial pressure analysis software: A mapping study and proposal. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 209, 106334.	2.6	4
6	Effects of Gamification on the Benefits of Student Response Systems in Learning of Human Anatomy: Three Experimental Studies. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13210.	1.2	11
7	Software vulnerabilities overview: A descriptive study. <i>Tsinghua Science and Technology</i> , 2020, 25, 270-280.	4.1	9
8	5Ws of green and sustainable software. <i>Tsinghua Science and Technology</i> , 2020, 25, 401-414.	4.1	22
9	Software Requirement Catalog on Acceptability, Usability, Internationalization and Sustainability for Contraception mPHRs. <i>Lecture Notes in Computer Science</i> , 2020, , 894-905.	1.0	2
10	A Requirements Catalog of Mobile Personal Health Records for Prenatal Care. <i>Lecture Notes in Computer Science</i> , 2019, , 483-495.	1.0	5
11	Cloud service as the driver for university's software engineering programs digital transformation. <i>Procedia Computer Science</i> , 2019, 149, 215-222.	1.2	5
12	Green IT and sustainable technology development: Bibliometric overview. <i>Sustainable Development</i> , 2019, 27, 613-636.	6.9	13
13	Personal Health Records: New Means to Safely Handle our Health Data?. <i>Computer</i> , 2019, , 1-1.	1.2	6
14	Reusable Software Usability Specifications for mHealth Applications. <i>Journal of Medical Systems</i> , 2018, 42, 45.	2.2	19
15	Sustainability requirements for connected health applications. <i>Journal of Software: Evolution and Process</i> , 2018, 30, e1922.	1.2	15
16	Surveying the Environmental and Technical Dimensions of Sustainability in Software Development Companies. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2312.	1.3	4
17	The Effect of Green Software: A Study of Impact Factors on the Correctness of Software. <i>Sustainability</i> , 2018, 10, 3471.	1.6	10
18	On the Risks and Safeguards for Requirements Engineering in Global Software Development: Systematic Literature Review and Quantitative Assessment. <i>IEEE Access</i> , 2018, 6, 59628-59656.	2.6	25

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19	Software project management approaches for global software development: a systematic mapping study. <i>Tsinghua Science and Technology</i> , 2018, 23, 690-714.	4.1	18
20	Evaluating the Privacy Policies of Mobile Personal Health Records for Pregnancy Monitoring. <i>Journal of Medical Systems</i> , 2018, 42, 144.	2.2	24
21	Automated support for reuse-based requirements engineering in global software engineering. <i>Journal of Software: Evolution and Process</i> , 2017, 29, e1873.	1.2	8
22	Estimation of Costs and Time for the Development of Distributed Software. <i>Computer Communications and Networks</i> , 2017, , 25-42.	0.8	2
23	E-health internationalization requirements for audit purposes. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 144, 49-60.	2.6	23
24	ISO/IEC 25010 Based Evaluation of Free Mobile Personal Health Records for Pregnancy Monitoring. , 2017, , .		9
25	Software Cost Attributes in Global Software Development Projects. , 2017, , .		4
26	A Reusable Requirements Catalog for Internationalized and Sustainable Blood Donation Apps. , 2017, , .		6
27	Requirements for a mobile personal health record to improve cardiovascular healthcare services. , 2017, , .		1
28	Co-located and distributed natural-language requirements specification: traditional versus reuse-based techniques. <i>Journal of Software: Evolution and Process</i> , 2016, 28, 205-227.	1.2	4
29	Experiment design of free pregnancy monitoring mobile personal health records quality evaluation. , 2016, , .		11
30	Requirements specification of an e-health solution to improve cardiovascular healthcare services in Morocco. , 2016, , .		4
31	Software project management tools in global software development: a systematic mapping study. <i>SpringerPlus</i> , 2016, 5, 2006.	1.2	21
32	The evaluation of i-SIDRA “a tool for intelligent feedback” in a course on the anatomy of the locomotor system. <i>International Journal of Medical Informatics</i> , 2016, 94, 172-181.	1.6	14
33	Mobile personal health records for pregnancy monitoring functionalities: Analysis and potential. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 134, 121-135.	2.6	48
34	Are the expected benefits of requirements reuse hampered by distance? An experiment. <i>SpringerPlus</i> , 2016, 5, 2097.	1.2	1
35	Identifying risks of software project management in Global Software Development: An integrative framework. , 2016, , .		17
36	An Empirical Study of Neural Network-Based Audience Response Technology in a Human Anatomy Course for Pharmacy Students. <i>Journal of Medical Systems</i> , 2016, 40, 85.	2.2	7

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37	Effects of Using Requirements Catalogs on Effectiveness and Productivity of Requirements Specification in a Software Project Management Course. IEEE Transactions on Education, 2016, 59, 105-118.	2.0	8
38	Mobile personal health records for cardiovascular patients. , 2015, , .		12
39	A preliminary study on the evaluation of software product quality of pregnancy monitoring mPHRs. , 2015, , .		4
40	Security in cloud computing: A mapping study. Computer Science and Information Systems, 2015, 12, 161-184.	0.7	25
41	Commonalities and differences between requirements engineering tools: A quantitative approach. Computer Science and Information Systems, 2015, 12, 257-288.	0.7	6
42	Technical solutions for mitigating security threats caused by health professionals in clinical settings. , 2015, 2015, 1389-92.		3
43	Empirical Studies on Usability of mHealth Apps: A Systematic Literature Review. Journal of Medical Systems, 2015, 39, 1.	2.2	683
44	Analysis of health professional security behaviors in a real clinical setting: An empirical study. International Journal of Medical Informatics, 2015, 84, 454-467.	1.6	38
45	Free Blood Donation Mobile Applications. Journal of Medical Systems, 2015, 39, 52.	2.2	45
46	Compliance of Blood Donation Apps with Mobile OS Usability Guidelines. Journal of Medical Systems, 2015, 39, 63.	2.2	34
47	Requirements engineering education: a systematic mapping study. Requirements Engineering, 2015, 20, 119-138.	2.1	101
48	Predicting Software Product Quality: A Systematic Mapping Study. Computacion Y Sistemas, 2015, 19, .	0.2	6
49	Applying ISO/IEC 25010 on Mobile Personal Health Records. , 2015, , .		25
50	Software Cost Estimation for Global Software Development - A Systematic Map and Review Study. , 2015, , .		11
51	Evaluating Software Product Quality: A Systematic Mapping Study. , 2014, , .		8
52	Electronic health records for cardiovascular medicine. , 2014, 2014, 1354-7.		11
53	Assessing the privacy policies in mobile personal health records. , 2014, 2014, 4956-9.		16
54	Mutation Testing. IEEE Software, 2014, 31, 30-35.	2.1	41

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55	Mobile PHRs Compliance with Android and iOS Usability Guidelines. Journal of Medical Systems, 2014, 38, 81.	2.2	62
56	Seguridad y Privacidad en Carpetas Personales de Salud para Android e iOS. RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao, 2014, .	0.1	2
57	Transforming and tracing reused requirements models to home automation models. Information and Software Technology, 2013, 55, 941-965.	3.0	11
58	Free Web-based Personal Health Records: An Analysis of Functionality. Journal of Medical Systems, 2013, 37, 9990.	2.2	44
59	Reusing Requirements in Global Software Engineering. , 2013, , 171-197.		17
60	Security and privacy in electronic health records: A systematic literature review. Journal of Biomedical Informatics, 2013, 46, 541-562.	2.5	494
61	Software Quality Requirements: A Systematic Mapping Study. , 2013, , .		7
62	The London Charter and the Seville Principles as sources of requirements for e-archaeology systems development purposes. Virtual Archaeology Review, 2013, 4, 205.	0.8	11
63	Evaluation and Neuronal Network-Based Classification of the PHRs Privacy Policies. , 2012, , .		3
64	Neural network-based data analysis for medical-surgical nursing learning. , 2012, 2012, 6036-9.		0
65	Personal Health Records: New Means to Safely Handle Health Data?. Computer, 2012, 45, 27-33.	1.2	37
66	Internationalization requirements for e-learning audit purposes. , 2012, , .		12
67	Requirements engineering tools: Capabilities, survey and assessment. Information and Software Technology, 2012, 54, 1142-1157.	3.0	81
68	A survey of requirements engineering education. , 2012, , .		6
69	An analysis of free Web-based PHRs functionalities and I18n. , 2012, 2012, 1282-5.		4
70	Are Personal Health Records Safe? A Review of Free Web-Accessible Personal Health Record Privacy Policies. Journal of Medical Internet Research, 2012, 14, e114.	2.1	60
71	Learning systems development using reusable standard-based requirements catalogs. , 2011, , .		12
72	Requirements Engineering Tools. IEEE Software, 2011, 28, 86-91.	2.1	44

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73	Basis for an integrated security ontology according to a systematic review of existing proposals. Computer Standards and Interfaces, 2011, 33, 372-388.	3.8	49
74	Assessing the HIPAA standard in practice: PHR privacy policies. , 2011, 2011, 2380-3.		14
75	A Personal Data Audit Method through Requirements Engineering. Computer Standards and Interfaces, 2010, 32, 166-178.	3.8	12
76	An MDE modeling framework for measurable goal-oriented requirements. International Journal of Intelligent Systems, 2010, 25, 757-783.	3.3	4
77	An integrated domain analysis approach for teleoperated systems. Requirements Engineering, 2009, 14, 27-46.	2.1	7
78	On the generation of requirements specifications from software engineering models: A systematic literature review. Information and Software Technology, 2009, 51, 1291-1307.	3.0	90
79	A systematic review of UML model consistency management. Information and Software Technology, 2009, 51, 1631-1645.	3.0	149
80	Integrating usability requirements that can be evaluated in design time into Model Driven Engineering of Web Information Systems. Advances in Engineering Software, 2009, 40, 1306-1317.	1.8	47
81	Risks and Safeguards for the Requirements Engineering Process in Global Software Development. , 2009, , .		26
82	COTSRE: A COmponenTs Selection Method Based on Requirements Engineering. , 2008, , .		6
83	Towards a Requirements-Aware Common Web Engineering Metamodel. , 2008, , .		2
84	REMM-Studioâ€™s Modeling Variability to Enable Requirements Reuse. Lecture Notes in Computer Science, 2008, , 530-531.	1.0	8
85	A UML Profile for Modelling Measurable Requirements. Lecture Notes in Computer Science, 2008, , 123-132.	1.0	3
86	A Systematic Review and Comparison of Security Ontologies. , 2008, , .		73
87	Modelling Web-Based Systems Requirements Using WRM. Lecture Notes in Computer Science, 2008, , 122-131.	1.0	6
88	REMM-Studio: an Integrated Model-Driven Environment for Requirements Specification, Validation and Formatting.. Journal of Object Technology, 2007, 6, 437.	0.8	24
89	An Empirical Study of the Nesting Level of Composite States Within UML Statechart Diagrams. Lecture Notes in Computer Science, 2005, , 12-22.	1.0	12
90	Emerging OCL tools. Software and Systems Modeling, 2003, 2, 248-261.	2.2	19

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91	Requirements Reuse for Improving Information Systems Security: A Practitioner's Approach. Requirements Engineering, 2002, 6, 205-219.	2.1	87
92	FORMAL VALIDATION AND VERIFICATION OF ATOMIC RESOLUTION MICROSCOPE CONTROL AND TOPOGRAPHY. Cybernetics and Systems, 2001, 32, 851-870.	1.6	1
93	Towards Use Case and Conceptual Models through Business Modeling. Lecture Notes in Computer Science, 2000, , 281-294.	1.0	14
94	Computer systems simulation in education: Description of an experience. Computers and Education, 1987, 11, 293-303.	5.1	9
95	Auditing the Governance and Management of Green IT. Journal of Computer Information Systems, 0, , 1-11.	2.0	2