Rory O'Connor

List of Publications by Year
in descending order

89 papers	1,934 citations	304368 22 h-index	288905 40 g-index
90 all docs	90 docs citations	90 times ranked	943 citing authors

#	Article	IF	Citations
1	The situational factors that affect the software development process: Towards a comprehensive reference framework. Information and Software Technology, 2012, 54, 433-447.	3.0	259
2	Investigating software process in practice: A grounded theory perspective. Journal of Systems and Software, 2008, 81, 772-784.	3.3	163
3	Using grounded theory to understand software process improvement: A study of Irish software product companies. Information and Software Technology, 2007, 49, 654-667.	3.0	134
4	Acquiring and sharing tacit knowledge in software development teams: An empirical study. Information and Software Technology, 2013, 55, 1614-1624.	3.0	113
5	Development of a team measure for tacit knowledge in software development teams. Journal of Systems and Software, 2009, 82, 229-240.	3.3	84
6	An investigation into software development process formation in software startâ€ups. Journal of Enterprise Information Management, 2008, 21, 633-648.	4.4	77
7	Software Process Improvement in Very Small Organizations. IEEE Software, 2016, 33, 85-89.	2.1	75
8	An examination of personality traits and how they impact on software development teams. Information and Software Technology, 2017, 86, 101-122.	3.0	72
9	Exploring the Relationship between Software Process Adaptive Capability and Organisational Performance. IEEE Transactions on Software Engineering, 2015, 41, 1169-1183.	4.3	48
10	A complexity theory viewpoint on the software development process and situational context. , 2016, , .		46
11	The influence of SPI on business success in software SMEs: An empirical study. Journal of Systems and Software, 2012, 85, 2356-2367.	3.3	44
12	Understanding the gap between software process practices and actual practice in very small companies. Software Quality Journal, 2016, 24, 549-570.	1.4	44
13	A multivocal literature review on serious games for software process standards education. Computer Standards and Interfaces, 2018, 57, 36-48.	3.8	43
14	An Innovative Approach to the Development of an International Software Process Lifecycle Standard for Very Small Entities. International Journal of Information Technologies and Systems Approach, 2014, 7, 1-22.	0.8	40
15	Continuous software engineeringâ€"A microservices architecture perspective. Journal of Software: Evolution and Process, 2017, 29, e1866.	1.2	38
16	A systematic examination of knowledge loss in open source software projects. International Journal of Information Management, 2019, 46, 104-123.	10.5	38
17	Systems and Software Engineering Standards for Very Small Entities: Accomplishments and Overview. Computer, 2016, 49, 84-87.	1.2	32
18	Teaching ISO/IEC 12207 software lifecycle processes: A serious game approach. Computer Standards and Interfaces, 2017, 54, 129-138.	3.8	30

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19	The Evolution of the ISO/IEC 29110 Set of Standards and Guides. International Journal of Information Technologies and Systems Approach, 2017, 10, 1-21.	0.8	30
20	A Compliance Analysis of Agile Methodologies with the ISO/IEC 29110 Project Management Process. Procedia Computer Science, 2015, 64, 188-195.	1.2	27
21	An empirical examination of the extent of software process improvement in software SMEs. Journal of Software: Evolution and Process, 2013, 25, 981-998.	1.2	26
22	A 3D virtual environment for training soccer referees. Computer Standards and Interfaces, 2019, 64, 1-10.	3.8	26
23	An Extensive Review of IT Service Design in Seven International ITSM Processes Frameworks. International Journal of Information Technologies and Systems Approach, 2014, 7, 83-107.	0.8	25
24	Towards the provision of assistance for very small entities in deploying software lifecycle standards. , 2010, , .		24
25	Effective Social Productivity Measurements during Software Development â€" An Empirical Study. International Journal of Software Engineering and Knowledge Engineering, 2016, 26, 457-490.	0.6	24
26	Organizational commitment towards software process improvement an irish software vses case study. , 2010, , .		23
27	In search of the origins and enduring impact of Agile software development. , 2018, , .		21
28	Exploring the impact of situational context. , 2016, , .		19
29	Interactive threeâ€dimensional virtual environment to reduce the public speaking anxiety levels of novice software engineers. IET Software, 2019, 13, 152-158.	1.5	19
30	Software Development Roles. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2015, 40, 1-5.	0.5	17
31	Systems and Software Engineering Standards for Very Small Entities: Implementation and Initial Results. , 2014, , .		16
32	The influence of managerial experience and style on software development process. International Journal of Technology, Policy and Management, 2008, 8, 91.	0.1	15
33	A serious game to support the ISO 21500 standard education in the context of software project management. Computer Standards and Interfaces, 2018, 60, 80-92.	3.8	14
34	Using Grounded Theory Coding Mechanisms to Analyze Case Study and Focus Group Data in the Context of Software Process Research. , 2012, , 256-270.		14
35	The strengths and weaknesses of software architecture design in the RUP, MSF, MBASE and RUP-SOA methodologies: A conceptual review. Computer Standards and Interfaces, 2016, 47, 24-41.	3.8	13
36	Software Engineering Standards and Guides for Very Small Entities - Implementation in Two Start-ups. , 2015, , .		13

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37	An Extensive Review of IT Service Design in Seven International ITSM Processes Frameworks. International Journal of Information Technologies and Systems Approach, 2015, 8, 69-90.	0.8	12
38	Understanding the Role of Knowledge Management in Software Development. International Journal of Systems and Service-Oriented Engineering, 2014, 4, 39-52.	0.5	11
39	A software process engineering approach to improving software team productivity using socioeconomic mechanism design. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2011, 36, 1-5.	0.5	10
40	Software process reflexivity and business performance: initial results from an empirical study. , 2015, , .		10
41	Adopting virtual reality as a medium for software development process education. , 2018, , .		9
42	Exploring the use of the cynefin framework to inform software development approach decisions. , 2015, , .		8
43	Exploring the Belief Systems of Software Development Professionals. Cybernetics and Systems, 2015, 46, 528-542.	1.6	8
44	Implementing Process Improvement in Very Small Enterprises with ISO/IEC 29110: A Multiple Case Study Analysis. , 2016, , .		8
45	Integration of accessibility design patterns with the software implementation process of ISO/IEC 29110. Journal of Software: Evolution and Process, 2019, 31, e1987.	1.2	8
46	Examining Unequal Gender Distribution in Software Engineering. Communications in Computer and Information Science, 2019, , 659-671.	0.4	8
47	A Cynefin Based Approach to Process Model Tailoring and Goal Alignment. , 2014, , .		7
48	Technology enabled continuous software development. , 2016, , .		6
49	Impacts of electronic process guides by types of user: An experimental study. International Journal of Information Management, 2016, 36, 73-88.	10.5	6
50	An Objective Compliance Analysis of Project Management Process in Main Agile Methodologies with the ISO/IEC 29110 Entry Profile. International Journal of Information Technologies and Systems Approach, 2017, 10, 75-106.	0.8	6
51	Design methods for software architectures in the service‐oriented computing and cloud paradigms. Software - Practice and Experience, 2018, 48, 263-267.	2.5	6
52	A mechanism to explore proactive knowledge retention in open source software communities. Journal of Software: Evolution and Process, 2020, 32, e2198.	1.2	6
53	Software Development Team Dynamics in SPI: A VSE Context. , 2012, , .		5
54	An Experience of Use a Serious Game for Teaching Software Process Improvement. Communications in Computer and Information Science, 2019, , 249-259.	0.4	5

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55	Summary of the International Conference on Software and System Processes (ICSSP 2016). Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2016, 41, 27-30.	0.5	5
56	Process Models of SDLCs. , 2009, , 76-89.		5
57	An Overview of Models and Standards of Processes in the SE, SwE, and IS Disciplines. , 2009, , 364-380.		5
58	Software Testing: A Changing Career. Communications in Computer and Information Science, 2019, , 731-742.	0.4	4
59	A standard based adaptive path to teach systems engineering: 15288 and 29110 standards use cases. , 2017, , .		3
60	Deploying a Software Process Lifecycle Standard in Very Small Companies. , 2015, , 762-772.		3
61	Strategies for personal process improvement a comparison. , 2002, , .		2
62	Developing software and systems engineering standards. , 2015, , .		2
63	Understanding the Role of Knowledge Management in Software Development. , 0, , 485-500.		2
64	A Conceptual Descriptive-Comparative Study of Models and Standards of Processes in SE, SwE, and IT Disciplines Using the Theory of Systems. , 2010, , 156-181.		2
65	Software selection: towards an understanding of forensic software tool selection in industrial practice. International Journal of Technology, Policy and Management, 2005, 5, 311.	0.1	1
66	Maximizing the value of the software development process by game theoretic analysis. , 2010, , .		1
67	DESIGN, BUILD AND EVALUATION OF AN ONTOLOGY-BASED KMS FOR SUPPORTING CMMI-DEV UNDERSTANDING: BENEFITS AND LIMITATIONS. International Journal of Software Engineering and Knowledge Engineering, 2013, 23, 999-1032.	0.6	1
68	Understanding personality differences in software organisations using Keirsey temperament sorter. IET Software, 2015, 9, 129-134.	1.5	1
69	Summary of the International Conference on Software andSystem Processes (ICSSP 2018). Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2019, 43, 48-51.	0.5	1
70	Summary of the International Conference on Software and System Processes (ICSSP 2018). Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2019, 43, 54-54.	0.5	1
71	An IT Service Engineering and Management Framework (ITS-EMF). , 2013, , 76-91.		1
72	An Overview of Models and Standards of Processes in the SE, SwE, and IS Disciplines. Advances in IT Standards and Standardization Research Series, 2009, , 236-252.	0.2	1

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73	Towards a Wider Application of the Systems Approach in Information Systems and Software Engineering. , 2010, , 67-85.		1
74	Towards an Understanding of Team Dynamics in Very Small Enterprises. Advances in Human Resources Management and Organizational Development Book Series, 2016, , 42-64.	0.2	1
75	Software Development Process Standards for Very Small Companies. , 2018, , 6927-6938.		1
76	Software Development Process Standards for Very Small Companies. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2019, , 681-694.	0.7	1
77	Prompter --- a project planning assistant. , 2000, , .		0
78	Software process improvement education (poster session). SIGCSE Bulletin, 2001, 33, 180.	0.1	0
79	Software process improvement education (poster session). , 2001, , .		0
80	A study of computer programming language adoption for information systems development projects. International Journal of Technology, Policy and Management, 2003, 3, 343.	0.1	0
81	ICSSP 2016Ââ€"ÂSpecial Issue Introduction. Journal of Software: Evolution and Process, 2017, 29, e1869.	1.2	0
82	ICSSP 2018â€"Special issue introduction. Journal of Software: Evolution and Process, 2019, 31, e2174.	1.2	0
83	An Objective Compliance Analysis of Project Management Process in Main Agile Methodologies with the ISO/IEC 29110 Entry Profile. , 2021, , 1227-1261.		0
84	The Evolution of the ISO/IEC 29110 Set of Standards and Guides. , 2021, , 1831-1855.		0
85	The ISO/IEC 29110 Software Lifecycle Standard for Very Small Companies. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 1498-1515.	0.3	0
86	Requirements Engineering. , 2009, , 90-104.		0
87	Summary of the International Conference on Software andSystem Processes (ICSSP 2018). Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2019, 43, 48-51.	0.5	0
88	An Innovative Approach to the Development of an International Software Process Lifecycle Standard for Very Small Entities. , 0, , 1300-1322.		0
89	The ISO/IEC 29110 Software Lifecycle Standard for Very Small Companies. , 2022, , 1884-1901.		0