

# Onur DemirÅrs

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

1,220  
citations

516215

16  
h-index

500791

28  
g-index

120  
all docs

120  
docs citations

120  
times ranked

664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional size measurement revisited. ACM Transactions on Software Engineering and Methodology, 2008, 17, 1-36.	4.8	73
2	A survey of software engineering practices in Turkey. Journal of Systems and Software, 2015, 108, 148-177.	3.3	70
3	A survey on modeling and model-driven engineering practices in the embedded software industry. Journal of Systems Architecture, 2018, 91, 62-82.	2.5	64
4	Factors influencing the understandability of process models: A systematic literature review. Information and Software Technology, 2018, 93, 112-129.	3.0	60
5	A reference model for BIM capability assessments. Automation in Construction, 2019, 101, 245-263.	4.8	59
6	Utilization of statistical process control (SPC) in emergent software organizations: Pitfalls and suggestions. Software Quality Journal, 2006, 14, 135-157.	1.4	32
7	Plural: A decentralized business process modeling method. Information and Management, 2011, 48, 235-247.	3.6	32
8	A semi-automated approach for generating natural language requirements documents based on business process models. Information and Software Technology, 2018, 93, 14-29.	3.0	31
9	An experimental study on the conversion between IFPLUG and COSMIC functional size measurement units. Information and Software Technology, 2010, 52, 347-357.	3.0	30
10	Do staged maturity models result in organization-wide continuous process improvement? Insight from employees. Computer Standards and Interfaces, 2017, 52, 25-40.	3.8	29
11	Assessment of Agile Maturity Models: A Multiple Case Study. Communications in Computer and Information Science, 2013, , 130-141.	0.4	27
12	Conceptual Association of Functional Size Measurement Methods. IEEE Software, 2009, 26, 71-78.	2.1	26
13	Correlation of critical success factors with success of software projects: an empirical investigation. Software Quality Journal, 2019, 27, 429-493.	1.4	23
14	Apply Quantitative Management Now. IEEE Software, 2012, 29, 77-85.	2.1	22
15	Languages for the specification of software. Journal of Systems and Software, 1996, 32, 269-308.	3.3	21
16	Conceptual Differences Among Functional Size Measurement Methods. , 2007, , .		20
17	Effort estimation for agile software development. , 2017, , .		19
18	A Reference Model for Software Agility Assessment: AgilityMod. Communications in Computer and Information Science, 2015, , 145-158.	0.4	18

#	ARTICLE	IF	CITATIONS
19	The Influence of Using Collapsed Sub-processes and Groups on the Understandability of Business Process Models. <i>Business and Information Systems Engineering</i> , 2020, 62, 121-141.	4.0	17
20	Software Functional Size: For Cost Estimation and More. <i>Communications in Computer and Information Science</i> , 2008, , 59-69.	0.4	17
21	Evaluation of Agility Assessment Tools: A Multiple Case Study. <i>Communications in Computer and Information Science</i> , 2016, , 135-149.	0.4	14
22	Model based process assessment for public financial and physical resource management processes. <i>Computer Standards and Interfaces</i> , 2017, 54, 186-193.	3.8	14
23	Applicability of Process Discovery Algorithms for Software Organizations. , 2009, , .		13
24	A Detailed Software Process Improvement Methodology: BG-SPI. <i>Communications in Computer and Information Science</i> , 2011, , 97-108.	0.4	13
25	Application of a software agility assessment model "AgilityMod in the field. <i>Computer Standards and Interfaces</i> , 2019, 62, 1-16.	3.8	12
26	Big Data Analytics Has Little to Do with Analytics. <i>Lecture Notes in Business Information Processing</i> , 2018, , 3-17.	0.8	12
27	Comparison of Functional Size Based Estimation and Story Points, Based on Effort Estimation Effectiveness in SCRUM Projects. , 2014, , .		11
28	An exploratory study on role-based collaborative business process modeling approaches. , 2015, , .		11
29	Cross-factor analysis of software engineering practices versus practitioner demographics: An exploratory study in Turkey. <i>Journal of Systems and Software</i> , 2016, 111, 49-73.	3.3	11
30	A change management model and its application in software development projects. <i>Computer Standards and Interfaces</i> , 2019, 66, 103353.	3.8	11
31	Investigating Suitability of Software Process and Metrics for Statistical Process Control. <i>Lecture Notes in Computer Science</i> , 2006, , 88-99.	1.0	11
32	Reliability of COSMIC Functional Size Measurement Results: A Multiple Case Study on Industry Cases. , 2009, , .		10
33	E-Cosmic: A Business Process Model Based Functional Size Estimation Approach. , 2011, , .		10
34	Investigating the effect of variations in the test development process: a case from a safety-critical system. <i>Software Quality Journal</i> , 2011, 19, 615-642.	1.4	10
35	Applying EVM in a Software Company: Benefits and Difficulties. , 2013, , .		10
36	Software process improvement in a small organization: Difficulties and suggestions. <i>Lecture Notes in Computer Science</i> , 1998, , 1-12.	1.0	10

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37	A Comparison of Size Estimation Techniques Applied Early in the Life Cycle. Lecture Notes in Computer Science, 2004, , 184-194.	1.0	9
38	Process modeling by process owners: A decentralized approach. Software Process Improvement and Practice, 2008, 13, 75-87.	1.1	8
39	The Impact of Individual Assumptions on Functional Size Measurement. Lecture Notes in Computer Science, 2008, , 155-169.	1.0	8
40	Healthcare quality indicators â€œ a systematic review. International Journal of Health Care Quality Assurance, 2014, 27, 209-222.	0.2	8
41	Modeling business processes to generate artifacts for software development: a methodology. , 2014, , .		8
42	Government Process Capability Model: An Exploratory Case Study. Communications in Computer and Information Science, 2014, , 94-105.	0.4	8
43	Assessment of Software Process and Metrics to Support Quantitative Understanding. Lecture Notes in Computer Science, 2007, , 102-113.	1.0	8
44	Business Process Modeling Pluralized. Communications in Computer and Information Science, 2013, , 34-51.	0.4	8
45	Unified Process Modeling with UPROM Tool. Lecture Notes in Business Information Processing, 2015, , 250-266.	0.8	7
46	Assessment of Agility in Software Organizations with a Web-Based Agility Assessment Tool. , 2017, , .		7
47	Measureability of Functional Size in Agile Software Projects: Multiple Case Studies with COSMIC FSM. , 2019, , .		7
48	The Effect of Entity Generalization on Software Functional Sizing: A Case Study. Lecture Notes in Computer Science, 2008, , 105-116.	1.0	7
49	An Effort Prediction Model Based on BPM Measures for Process Automation. Lecture Notes in Business Information Processing, 2013, , 154-167.	0.8	7
50	Common Practices and Problems in Effort Data Collection in the Software Industry. , 2011, , .		6
51	Internal and External Software Benchmark Repository Utilization for Effort Estimation. , 2011, , .		6
52	Assessing Software Agility: An Exploratory Case Study. Communications in Computer and Information Science, 2014, , 202-213.	0.4	6
53	A process capability based assessment model for software workforce in emergent software organizations. Computer Standards and Interfaces, 2015, 37, 29-40.	3.8	6
54	An Exploratory Study on Usage of Process Mining in Agile Software Development. Communications in Computer and Information Science, 2017, , 187-196.	0.4	6

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55	Process ontology development using natural language processing: a multiple case study. Business Process Management Journal, 2019, 25, 1208-1227.	2.4	6
56	Proposing an ISO/IEC 15504 Based Process Improvement Method for the Government Domain. Communications in Computer and Information Science, 2015, , 100-113.	0.4	6
57	Developing Process Definition for Financial and Physical Resource Management Process in Government Domain. Communications in Computer and Information Science, 2016, , 169-180.	0.4	6
58	A Review on Capability and Maturity Models of Building Information Modelling. , 0, , .		6
59	Evaluation of the Effect of Functional Similarities on Development Effort. Euromicro Conference, Proceedings, 2008, , .	0.0	5
60	Automated Functional Size Estimation Using Business Process Models with UPROM Method. , 2014, , .		5
61	On the Seven Misconceptions about Functional Size Measurement. , 2016, , .		5
62	Cross-factor analysis of software modeling practices versus practitioner demographics in the embedded software industry. , 2017, , .		5
63	Towards Modeling Patterns for Embedded Software Industry: Feedback from the Field. , 2018, , .		5
64	From Requirements to Data Analytics Process: An Ontology-Based Approach. Lecture Notes in Business Information Processing, 2019, , 543-552.	0.8	5
65	Modeling cultures of the embedded software industry: feedback from the field. Software and Systems Modeling, 2021, 20, 447-467.	2.2	5
66	Towards a Process Capability Assessment Model for Government Domain. Communications in Computer and Information Science, 2016, , 210-224.	0.4	5
67	PROMPTUM Toolset: Tool Support for Integrated Ontologies and Process Models. Lecture Notes in Business Information Processing, 2017, , 93-105.	0.8	5
68	A Case Study on Measuring Process Quality: Lessons Learned. , 2012, , .		4
69	Deriving user requirements from business process models for automation: A case study. , 2014, , .		4
70	From Organizational Guidelines to Business Process Models: Exploratory Case for an Ontology Based Methodology. , 2017, , .		4
71	Characterizing the Development and Usage of Diagrams in Embedded Software Systems. , 2017, , .		4
72	Systematic Mapping Study on Process Mining in Agile Software Development. Communications in Computer and Information Science, 2018, , 289-299.	0.4	4

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73	A Comprehensive Evaluation of Agile Maturity Self-assessment Surveys. Communications in Computer and Information Science, 2018, , 300-315.	0.4	4
74	A Functional Software Measurement Approach to Bridge the Gap Between Problem and Solution Domains. Lecture Notes in Business Information Processing, 2015, , 176-191.	0.8	4
75	Managing instructional software acquisition. Software Process Improvement and Practice, 2001, 6, 189-203.	1.1	3
76	A Comparison of Neural Network Model and Regression Model Approaches Based on Sub-functional Components. Lecture Notes in Computer Science, 2009, , 272-284.	1.0	3
77	Making functional similarity count for more reliable effort prediction models. , 2009, , .		3
78	AN EXPLORATION OF FUNCTIONAL SIZE BASED EFFORT ESTIMATION MODELS. International Journal of Software Engineering and Knowledge Engineering, 2011, 21, 413-429.	0.6	3
79	A Case Study on Employee Perceptions of Organization Wide Continuous Process Improvement Activities. Communications in Computer and Information Science, 2012, , 26-37.	0.4	3
80	A Case Study on the Need to Consider Personality Types for Software Team Formation. Communications in Computer and Information Science, 2013, , 120-129.	0.4	3
81	Software Development in Turkey. IT Professional, 2015, 17, 10-13.	1.4	3
82	A Method for Modeling Business Processes in a Role-based and Decentralized Way. , 2016, , .		3
83	Effort estimation methods for ERP projects based on function points. , 2017, , .		3
84	Public Personnel Management Process Capability Assessment. Public Personnel Management, 2020, 49, 111-140.	1.5	3
85	Formalization Studies in Functional Size Measurement. Advances in Computer and Electrical Engineering Book Series, 0, , 242-262.	0.2	3
86	Event Oriented vs Object Oriented Analysis for Microservice Architecture: An Exploratory Case Study. , 2021, , .		3
87	Analysis and Design of Microservices: Results from Turkey. , 2020, , .		3
88	The Tool Coverage of Software Process Improvement Frameworks for Small and Medium Sized Enterprises. Lecture Notes in Business Information Processing, 2009, , 290-302.	0.8	2
89	The Application of a New Process Quality Measurement Model for Software Process Improvement Initiatives. , 2011, , .		2
90	Towards the Development of a Defect Detection Tool for COSMIC Functional Size Measurement. , 2013, , .		2

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91	Measuring healthcare process quality: Applications in public hospitals in Turkey. Informatics for Health and Social Care, 2013, 38, 132-149.	1.4	2
92	Effort Estimation for ERP Projects – A Systematic Review. , 2017, , .		2
93	Exploration of a Method for COSMIC Size Estimation from S-BPM. Communications in Computer and Information Science, 2014, , 55-66.	0.4	2
94	Formalization Studies in Functional Size Measurement: How Do They Help?. Lecture Notes in Computer Science, 2009, , 197-211.	1.0	2
95	Assessment of Software Process and Metrics to Support Quantitative Understanding: Experience from an Undefined Task Management Process. Communications in Computer and Information Science, 2011, , 108-120.	0.4	2
96	Acquiring Innovative Software Systems: Experiences from the Field. , 2007, , .		1
97	A Clustering Based Functional Similarity Measurement Approach. , 2010, , .		1
98	Application of process quality measurement frameworks for human resource management processes. , 2011, , .		1
99	Exploration of an Error Prevention Model for COSMIC Functional Size Measurement Method. , 2012, , .		1
100	EFES: An Effort Estimation Methodology. , 2012, , .		1
101	PL FSM: An Approach and a Tool for the Application of FSM in SPL Environments. , 2015, , .		1
102	Agile Maturity Self-Assessment Surveys: A Case Study. , 2017, , .		1
103	Exploration of a Practical Approach for Assessing the Measurement Capability of Software Organizations. Communications in Computer and Information Science, 2017, , 415-429.	0.4	1
104	A Comparison of Process Ontology Discovery from Organizational Guidelines in Two Different Languages. , 2017, , .		1
105	Exploring Reuse Levels in ERP Projects in Search of an Effort Estimation Approach. , 2018, , .		1
106	Challenges of Acquisition Planning. , 0, , .		0
107	The Effect of Highlighting Error Categories in FSM Training on the Accuracy of Measurement. , 2014, , .		0
108	Adapting SPICE for Development of a Reference Model for Building Information Modeling - BIM-CAREM. Communications in Computer and Information Science, 2018, , 119-135.	0.4	0

#	ARTICLE	IF	CITATIONS
109	Utilizing Modeling Approach Patterns in the Embedded Software Industry. , 2019, , .		0
110	Assistance to develop indigenous software industry. Lecture Notes in Computer Science, 1998, , 149-149.	1.0	0
111	A notation based on process product unification. Lecture Notes in Computer Science, 1998, , 148-148.	1.0	0
112	Measuring Change in Software Projects Through an Earned Value Lens. Communications in Computer and Information Science, 2018, , 200-214.	0.4	0
113	Formalization Studies in Functional Size Measurement. , 0, , 1758-1778.		0
114	Automated Estimation of Functional Size from Code. , 2020, , .		0
115	A method for integrated business process modeling and ontology development. Business Process Management Journal, 2022, ahead-of-print, .	2.4	0