

Onur DemirÅrs

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

1,220
citations

516561

16
h-index

501076

28
g-index

120
all docs

120
docs citations

120
times ranked

664
citing authors

#	ARTICLE	IF	CITATIONS
1	A method for integrated business process modeling and ontology development. Business Process Management Journal, 2022, ahead-of-print, .	2.4	0
2	Modeling cultures of the embedded software industry: feedback from the field. Software and Systems Modeling, 2021, 20, 447-467.	2.2	5
3	Event Oriented vs Object Oriented Analysis for Microservice Architecture: An Exploratory Case Study. , 2021, , .		3
4	The Influence of Using Collapsed Sub-processes and Groups on the Understandability of Business Process Models. Business and Information Systems Engineering, 2020, 62, 121-141.	4.0	17
5	Public Personnel Management Process Capability Assessment. Public Personnel Management, 2020, 49, 111-140.	1.5	3
6	Analysis and Design of Microservices: Results from Turkey. , 2020, , .		3
7	Automated Estimation of Functional Size from Code. , 2020, , .		0
8	Application of a software agility assessment model “AgilityMod in the field. Computer Standards and Interfaces, 2019, 62, 1-16.	3.8	12
9	Utilizing Modeling Approach Patterns in the Embedded Software Industry. , 2019, , .		0
10	A change management model and its application in software development projects. Computer Standards and Interfaces, 2019, 66, 103353.	3.8	11
11	From Requirements to Data Analytics Process: An Ontology-Based Approach. Lecture Notes in Business Information Processing, 2019, , 543-552.	0.8	5
12	Measureability of Functional Size in Agile Software Projects: Multiple Case Studies with COSMIC FSM. , 2019, , .		7
13	A reference model for BIM capability assessments. Automation in Construction, 2019, 101, 245-263.	4.8	59
14	Process ontology development using natural language processing: a multiple case study. Business Process Management Journal, 2019, 25, 1208-1227.	2.4	6
15	Correlation of critical success factors with success of software projects: an empirical investigation. Software Quality Journal, 2019, 27, 429-493.	1.4	23
16	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
17	Factors influencing the understandability of process models: A systematic literature review. Information and Software Technology, 2018, 93, 112-129.	3.0	60
18	Towards Modeling Patterns for Embedded Software Industry: Feedback from the Field. , 2018, , .		5

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19	Exploring Reuse Levels in ERP Projects in Search of an Effort Estimation Approach. , 2018, , .		1
20	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
21	Systematic Mapping Study on Process Mining in Agile Software Development. Communications in Computer and Information Science, 2018, , 289-299.	0.4	4
22	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
23	A Comprehensive Evaluation of Agile Maturity Self-assessment Surveys. Communications in Computer and Information Science, 2018, , 300-315.	0.4	4
24	Big Data Analytics Has Little to Do with Analytics. Lecture Notes in Business Information Processing, 2018, , 3-17.	0.8	12
25	Measuring Change in Software Projects Through an Earned Value Lens. Communications in Computer and Information Science, 2018, , 200-214.	0.4	0
26	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
27	Effort Estimation for ERP Projects â€” A Systematic Review. , 2017, , .		2
28	Agile Maturity Self-Assessment Surveys: A Case Study. , 2017, , .		1
29	An Exploratory Study on Usage of Process Mining in Agile Software Development. Communications in Computer and Information Science, 2017, , 187-196.	0.4	6
30	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
31	Cross-factor analysis of software modeling practices versus practitioner demographics in the embedded software industry. , 2017, , .		5
32	Model based process assessment for public financial and physical resource management processes. Computer Standards and Interfaces, 2017, 54, 186-193.	3.8	14
33	From Organizational Guidelines to Business Process Models: Exploratory Case for an Ontology Based Methodology. , 2017, , .		4
34	Effort estimation for agile software development. , 2017, , .		19
35	Effort estimation methods for ERP projects based on function points. , 2017, , .		3
36	Assessment of Agility in Software Organizations with a Web-Based Agility Assessment Tool. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
37	Characterizing the Development and Usage of Diagrams in Embedded Software Systems. , 2017, , .		4
38	A Comparison of Process Ontology Discovery from Organizational Guidelines in Two Different Languages. , 2017, , .		1
39	PROMPTUM Toolset: Tool Support for Integrated Ontologies and Process Models. Lecture Notes in Business Information Processing, 2017, , 93-105.	0.8	5
40	A Method for Modeling Business Processes in a Role-based and Decentralized Way. , 2016, , .		3
41	Evaluation of Agility Assessment Tools: A Multiple Case Study. Communications in Computer and Information Science, 2016, , 135-149.	0.4	14
42	On the Seven Misconceptions about Functional Size Measurement. , 2016, , .		5
43	Cross-factor analysis of software engineering practices versus practitioner demographics: An exploratory study in Turkey. Journal of Systems and Software, 2016, 111, 49-73.	3.3	11
44	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
45	Towards a Process Capability Assessment Model for Government Domain. Communications in Computer and Information Science, 2016, , 210-224.	0.4	5
46	PL FSM: An Approach and a Tool for the Application of FSM in SPL Environments. , 2015, , .		1
47	Software Development in Turkey. IT Professional, 2015, 17, 10-13.	1.4	3
48	A Reference Model for Software Agility Assessment: AgilityMod. Communications in Computer and Information Science, 2015, , 145-158.	0.4	18
49	A survey of software engineering practices in Turkey. Journal of Systems and Software, 2015, 108, 148-177.	3.3	70
50	Unified Process Modeling with UPROM Tool. Lecture Notes in Business Information Processing, 2015, , 250-266.	0.8	7
51	An exploratory study on role-based collaborative business process modeling approaches. , 2015, , .		11
52	A process capability based assessment model for software workforce in emergent software organizations. Computer Standards and Interfaces, 2015, 37, 29-40.	3.8	6
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Deriving user requirements from business process models for automation: A case study. , 2014, , .		4
56	Comparison of Functional Size Based Estimation and Story Points, Based on Effort Estimation Effectiveness in SCRUM Projects. , 2014, , .		11
57	Automated Functional Size Estimation Using Business Process Models with UPROM Method. , 2014, , .		5
58	The Effect of Highlighting Error Categories in FSM Training on the Accuracy of Measurement. , 2014, , .		0
59	Healthcare quality indicators " a systematic review. International Journal of Health Care Quality Assurance, 2014, 27, 209-222.	0.2	8
60	Assessing Software Agility: An Exploratory Case Study. Communications in Computer and Information Science, 2014, , 202-213.	0.4	6
61	Modeling business processes to generate artifacts for software development: a methodology. , 2014, , .		8
62	Exploration of a Method for COSMIC Size Estimation from S-BPM. Communications in Computer and Information Science, 2014, , 55-66.	0.4	2
63	Government Process Capability Model: An Exploratory Case Study. Communications in Computer and Information Science, 2014, , 94-105.	0.4	8
64	Towards the Development of a Defect Detection Tool for COSMIC Functional Size Measurement. , 2013, , .		2
65	Measuring healthcare process quality: Applications in public hospitals in Turkey. Informatics for Health and Social Care, 2013, 38, 132-149.	1.4	2
66	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
67	Assessment of Agile Maturity Models: A Multiple Case Study. Communications in Computer and Information Science, 2013, , 130-141.	0.4	27
68	Applying EVM in a Software Company: Benefits and Difficulties. , 2013, , .		10
69	Business Process Modeling Pluralized. Communications in Computer and Information Science, 2013, , 34-51.	0.4	8
70	An Effort Prediction Model Based on BPM Measures for Process Automation. Lecture Notes in Business Information Processing, 2013, , 154-167.	0.8	7
71	Exploration of an Error Prevention Model for COSMIC Functional Size Measurement Method. , 2012, , .		1
72	A Case Study on Measuring Process Quality: Lessons Learned. , 2012, , .		4

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73	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
74	EFES: An Effort Estimation Methodology. , 2012, , .		1
75	Apply Quantitative Management Now. IEEE Software, 2012, 29, 77-85.	2.1	22
76	Common Practices and Problems in Effort Data Collection in the Software Industry. , 2011, , .		6
77	Internal and External Software Benchmark Repository Utilization for Effort Estimation. , 2011, , .		6
78	E-Cosmic: A Business Process Model Based Functional Size Estimation Approach. , 2011, , .		10
79	Application of process quality measurement frameworks for human resource management processes. , 2011, , .		1
80	The Application of a New Process Quality Measurement Model for Software Process Improvement Initiatives. , 2011, , .		2
81	Investigating the effect of variations in the test development process: a case from a safety-critical system. Software Quality Journal, 2011, 19, 615-642.	1.4	10
82	Plural: A decentralized business process modeling method. Information and Management, 2011, 48, 235-247.	3.6	32
83	AN EXPLORATION OF FUNCTIONAL SIZE BASED EFFORT ESTIMATION MODELS. International Journal of Software Engineering and Knowledge Engineering, 2011, 21, 413-429.	0.6	3
84	A Detailed Software Process Improvement Methodology: BG-SPI. Communications in Computer and Information Science, 2011, , 97-108.	0.4	13
85	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
86	An experimental study on the conversion between IFPUG and COSMIC functional size measurement units. Information and Software Technology, 2010, 52, 347-357.	3.0	30
87	A Clustering Based Functional Similarity Measurement Approach. , 2010, , .		1
88	Reliability of COSMIC Functional Size Measurement Results: A Multiple Case Study on Industry Cases. , 2009, , .		10
89	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
90	Conceptual Association of Functional Size Measurement Methods. IEEE Software, 2009, 26, 71-78.	2.1	26

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91	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
92	Applicability of Process Discovery Algorithms for Software Organizations. , 2009, , .		13
93	Making functional similarity count for more reliable effort prediction models. , 2009, , .		3
94	Formalization Studies in Functional Size Measurement: How Do They Help?. Lecture Notes in Computer Science, 2009, , 197-211.	1.0	2
95	Process modeling by process owners: A decentralized approach. Software Process Improvement and Practice, 2008, 13, 75-87.	1.1	8
96	Evaluation of the Effect of Functional Similarities on Development Effort. Euromicro Conference, Proceedings, 2008, , .	0.0	5
97	Functional size measurement revisited. ACM Transactions on Software Engineering and Methodology, 2008, 17, 1-36.	4.8	73
98	The Impact of Individual Assumptions on Functional Size Measurement. Lecture Notes in Computer Science, 2008, , 155-169.	1.0	8
99	The Effect of Entity Generalization on Software Functional Sizing: A Case Study. Lecture Notes in Computer Science, 2008, , 105-116.	1.0	7
100	Software Functional Size: For Cost Estimation and More. Communications in Computer and Information Science, 2008, , 59-69.	0.4	17
101	Acquiring Innovative Software Systems: Experiences from the Field. , 2007, , .		1
102	Conceptual Differences Among Functional Size Measurement Methods. , 2007, , .		20
103	Assessment of Software Process and Metrics to Support Quantitative Understanding. Lecture Notes in Computer Science, 2007, , 102-113.	1.0	8
104	Utilization of statistical process control (SPC) in emergent software organizations: Pitfalls and suggestions. Software Quality Journal, 2006, 14, 135-157.	1.4	32
105	Investigating Suitability of Software Process and Metrics for Statistical Process Control. Lecture Notes in Computer Science, 2006, , 88-99.	1.0	11
106	A Comparison of Size Estimation Techniques Applied Early in the Life Cycle. Lecture Notes in Computer Science, 2004, , 184-194.	1.0	9
107	Managing instructional software acquisition. Software Process Improvement and Practice, 2001, 6, 189-203.	1.1	3
108	Software process improvement in a small organization: Difficulties and suggestions. Lecture Notes in Computer Science, 1998, , 1-12.	1.0	10

#	ARTICLE	IF	CITATIONS
109	Assistance to develop indigenous software industry. Lecture Notes in Computer Science, 1998, , 149-149.	1.0	0
110	A notation based on process product unification. Lecture Notes in Computer Science, 1998, , 148-148.	1.0	0
111	Languages for the specification of software. Journal of Systems and Software, 1996, 32, 269-308.	3.3	21
112	Challenges of Acquisition Planning. , 0, , .		0
113	A Review on Capability and Maturity Models of Building Information Modelling. , 0, , .		6
114	Formalization Studies in Functional Size Measurement. Advances in Computer and Electrical Engineering Book Series, 0, , 242-262.	0.2	3
115	Formalization Studies in Functional Size Measurement. , 0, , 1758-1778.		0