

Magne J. Årsgensen

List of Publications by Year in descending order

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96
papers

4,580
citations

126708

33
h-index

110170

64
g-index

96
all docs

96
docs citations

96
times ranked

1927
citing authors

#	ARTICLE	IF	CITATIONS
1	A Systematic Review of Software Development Cost Estimation Studies. IEEE Transactions on Software Engineering, 2007, 33, 33-53.	4.3	559
2	A review of studies on expert estimation of software development effort. Journal of Systems and Software, 2004, 70, 37-60.	3.3	399
3	Evidence-based software engineering for practitioners. IEEE Software, 2005, 22, 58-65.	2.1	339
4	Experience with the accuracy of software maintenance task effort prediction models. IEEE Transactions on Software Engineering, 1995, 21, 674-681.	4.3	208
5	The Future of Empirical Methods in Software Engineering Research. , 2007, , .		205
6	How large are software cost overruns? A review of the 1994 CHAOS report. Information and Software Technology, 2006, 48, 297-301.	3.0	138
7	Forecasting of software development work effort: Evidence on expert judgement and formal models. International Journal of Forecasting, 2007, 23, 449-462.	3.9	120
8	Practical guidelines for expert-judgment-based software effort estimation. IEEE Software, 2005, 22, 57-63.	2.1	105
9	When 90% confidence intervals are 50% certain: on the credibility of credible intervals. Applied Cognitive Psychology, 2005, 19, 455-475.	0.9	103
10	Software Development Effort Estimation: Formal Models or Expert Judgment?. IEEE Software, 2009, 26, 14-19.	2.1	100
11	Better sure than safe? Over-confidence in judgement based software development effort prediction intervals. Journal of Systems and Software, 2004, 70, 79-93.	3.3	99
12	Software effort estimation by analogy and "regression toward the mean". Journal of Systems and Software, 2003, 68, 253-262.	3.3	93
13	From origami to software development: A review of studies on judgment-based predictions of performance time.. Psychological Bulletin, 2012, 138, 238-271.	5.5	90
14	Impact of effort estimates on software project work. Information and Software Technology, 2001, 43, 939-948.	3.0	88
15	Top-down and bottom-up expert estimation of software development effort. Information and Software Technology, 2004, 46, 3-16.	3.0	87
16	The impact of customer expectation on software development effort estimates. International Journal of Project Management, 2004, 22, 317-325.	2.7	86
17	Reasons for software effort estimation error: impact of respondent role, information collection approach, and data analysis method. IEEE Transactions on Software Engineering, 2004, 30, 993-1007.	4.3	80
18	Better Selection of Software Providers through Trialsourcing. IEEE Software, 2016, 33, 48-53.	2.1	79

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19	A comparison of software project overruns - flexible versus sequential development models. IEEE Transactions on Software Engineering, 2005, 31, 754-766.	4.3	78
20	An effort prediction interval approach based on the empirical distribution of previous estimation accuracy. Information and Software Technology, 2003, 45, 123-136.	3.0	72
21	Software effort estimation terminology: The tower of Babel. Information and Software Technology, 2006, 48, 302-310.	3.0	67
22	The Impact of Lessons-Learned Sessions on Effort Estimation and Uncertainty Assessments. IEEE Transactions on Software Engineering, 2009, 35, 368-383.	4.3	63
23	Realism in assessment of effort estimation uncertainty: it matters how you ask. IEEE Transactions on Software Engineering, 2004, 30, 209-217.	4.3	57
24	Group Processes in Software Effort Estimation. Empirical Software Engineering, 2004, 9, 315-334.	3.0	51
25	Inconsistency of expert judgment-based estimates of software development effort. Journal of Systems and Software, 2007, 80, 1770-1777.	3.3	51
26	The Role of Deliberate Artificial Design Elements in Software Engineering Experiments. IEEE Transactions on Software Engineering, 2008, 34, 242-259.	4.3	49
27	A survey on the characteristics of projects with success in delivering client benefits. Information and Software Technology, 2016, 78, 83-94.	3.0	45
28	Evidence-based guidelines for assessment of software development cost uncertainty. IEEE Transactions on Software Engineering, 2005, 31, 942-954.	4.3	43
29	The Impact of Irrelevant and Misleading Information on Software Development Effort Estimates: A Randomized Controlled Field Experiment. IEEE Transactions on Software Engineering, 2011, 37, 695-707.	4.3	43
30	What We Do and Don't Know about Software Development Effort Estimation. IEEE Software, 2014, 31, 37-40.	2.1	43
31	An empirical study of software maintenance tasks. Journal of Software: Evolution and Process, 1995, 7, 27-48.	0.5	36
32	Assessing the Changeability of two Object-Oriented Design Alternatives--a Controlled Experiment. Empirical Software Engineering, 2001, 6, 231-277.	3.0	36
33	An empirical study of software project bidding. IEEE Transactions on Software Engineering, 2004, 30, 953-969.	4.3	36
34	Can you Trust a Single Data Source Exploratory Software Engineering Case Study?. Empirical Software Engineering, 2002, 7, 9-26.	3.0	35
35	Regression Models of Software Development Effort Estimation Accuracy and Bias. Empirical Software Engineering, 2004, 9, 297-314.	3.0	34
36	Collecting Feedback during Software Engineering Experiments. Empirical Software Engineering, 2005, 10, 113-147.	3.0	33

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37	Incorrect results in software engineering experiments: How to improve research practices. Journal of Systems and Software, 2016, 116, 133-145.	3.3	33
38	The effects of request formats on judgment-based effort estimation. Journal of Systems and Software, 2010, 83, 29-36.	3.3	32
39	Impact of experience on maintenance skills. Journal of Software: Evolution and Process, 2002, 14, 123-146.	1.1	30
40	How does project size affect cost estimation error? Statistical artifacts and methodological challenges. International Journal of Project Management, 2012, 30, 839-849.	2.7	30
41	Do Agile Methods Work for Large Software Projects?. Lecture Notes in Business Information Processing, 2018, , 179-190.	0.8	30
42	Expert Estimation of Web-Development Projects: Are Software Professionals in Technical Roles More Optimistic Than Those in Non-Technical Roles?. Empirical Software Engineering, 2005, 10, 7-30.	3.0	29
43	Identification of more risks can lead to increased over-optimism of and over-confidence in software development effort estimates. Information and Software Technology, 2010, 52, 506-516.	3.0	29
44	A framework for the analysis of software cost estimation accuracy. , 2006, , .		28
45	The role of outcome feedback in improving the uncertainty assessment of software development effort estimates. ACM Transactions on Software Engineering and Methodology, 2008, 17, 1-35.	4.8	28
46	Direct and indirect connections between type of contract and software project outcome. International Journal of Project Management, 2017, 35, 1573-1586.	2.7	27
47	Challenges and Recommendations When Increasing the Realism of Controlled Software Engineering Experiments. Lecture Notes in Computer Science, 2003, , 24-38.	1.0	26
48	Software Development Estimation Biases: The Role of Interdependence. IEEE Transactions on Software Engineering, 2012, 38, 677-693.	4.3	26
49	Relationships Between Project Size, Agile Practices, and Successful Software Development: Results and Analysis. IEEE Software, 2019, 36, 39-43.	2.1	26
50	Characteristics of software engineers with optimistic predictions. Journal of Systems and Software, 2007, 80, 1472-1482.	3.3	22
51	The influence of selection bias on effort overruns in software development projects. Information and Software Technology, 2013, 55, 1640-1650.	3.0	22
52	Numerical anchors and their strong effects on software development effort estimates. Journal of Systems and Software, 2016, 116, 49-56.	3.3	21
53	Contrasting ideal and realistic conditions as a means to improve judgment-based software development effort estimation. Information and Software Technology, 2011, 53, 1382-1390.	3.0	18
54	What Contributes to the Success of IT Projects? Success Factors, Challenges and Lessons Learned from an Empirical Study of Software Projects in the Norwegian Public Sector. , 2017, , .		18

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55	Relative Estimation of Software Development Effort: It Matters with What and How You Compare. IEEE Software, 2013, 30, 74-79.	2.1	17
56	Unit effects in software project effort estimation: Work-hours gives lower effort estimates than workdays. Journal of Systems and Software, 2016, 117, 274-281.	3.3	17
57	The effects of the format of software project bidding processes. International Journal of Project Management, 2006, 24, 522-528.	2.7	16
58	Failure factors of small software projects at a global outsourcing marketplace. Journal of Systems and Software, 2014, 92, 157-169.	3.3	16
59	How much does a vacation cost?. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2003, 28, 5-5.	0.5	14
60	How to Avoid Selecting Bids Based on Overoptimistic Cost Estimates. IEEE Software, 2009, 26, 79-84.	2.1	14
61	An experimental evaluation of a de-biasing intervention for professional software developers. , 2018, , .		13
62	Combination of software development effort prediction intervals. , 2002, , .		12
63	To read two pages, I need 5 minutes, but give me 5 minutes and I will read four: how to change productivity estimates by inverting the question. Applied Cognitive Psychology, 2011, 25, 314-323.	0.9	12
64	Sequence effects in the estimation of software development effort. Journal of Systems and Software, 2020, 159, 110448.	3.3	10
65	The Impact of Irrelevant Information on Estimates of Software Development Effort. Proceedings / Australian Software Engineering Conference, 2007, , .	0.0	9
66	Selection of strategies in judgment-based effort estimation. Journal of Systems and Software, 2010, 83, 1039-1050.	3.3	9
67	Benefits management in software development: A systematic review of empirical studies. IET Software, 2021, 15, 1-24.	1.5	9
68	Software Development Effort Estimation – Demystifying and Improving Expert Estimation. , 2010, , 381-403.		9
69	Communication of software cost estimates. , 2014, , .		7
70	Eliminating Over-Confidence in Software Development Effort Estimates. Lecture Notes in Computer Science, 2004, , 174-184.	1.0	7
71	Benefits management and agile practices in software projects: how perceived benefits are impacted. , 2020, , .		7
72	The Use of Precision of Software Development Effort Estimates to Communicate Uncertainty. Lecture Notes in Business Information Processing, 2016, , 156-168.	0.8	6

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73	Evaluating probabilistic software development effort estimates: Maximizing informativeness subject to calibration. <i>Information and Software Technology</i> , 2019, 115, 93-96.	3.0	6
74	Interpretation problems related to the use of regression models to decide on economy of scale in software development. <i>Journal of Systems and Software</i> , 2012, 85, 2494-2503.	3.3	5
75	Guest editorial for special section on success and failure in software engineering. <i>Empirical Software Engineering</i> , 2017, 22, 2281-2297.	3.0	5
76	When should we (not) use the mean magnitude of relative error (MMRE) as an error measure in software development effort estimation?. <i>Information and Software Technology</i> , 2022, 143, 106784.	3.0	5
77	Believing is Seeing: Confirmation Bias Studies in Software Engineering. , 2015, , .		4
78	Looking Back on Previous Estimation Error as a Method to Improve the Uncertainty Assessment of Benefits and Costs of Software Development Projects. , 2018, , .		4
79	Relations Between Effort Estimates, Skill Indicators, and Measured Programming Skill. <i>IEEE Transactions on Software Engineering</i> , 2020, , 1-1.	4.3	4
80	How to pose for a professional photo: The effect of three facial expressions on perception of competence of a software developer. <i>Australian Journal of Psychology</i> , 2020, 72, 257-266.	1.4	2
81	Evaluation of Probabilistic Project Cost Estimates. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 3481-3496.	2.4	2
82	A field experiment on trialsourcing and the effect of contract types on outsourced software development. <i>Information and Software Technology</i> , 2021, 134, 106559.	3.0	2
83	Practices connected to perceived client benefits of software projects. <i>IET Software</i> , 2020, 14, 677-683.	1.5	2
84	Overoptimistic Predictions. , 2018, , 35-54.		2
85	Relative estimates of software development effort: Are they more accurate or less time-consuming to produce than absolute estimates, and to what extent are they person-independent?. <i>Information and Software Technology</i> , 2022, 143, 106782.	3.0	2
86	Expert Estimation of Software Development Cost: Learning through Feedback. , 2006, , 489-506.		1
87	Fallacies and Biases when Adding Effort Estimates. , 2014, , .		1
88	The effect of the time unit on software development effort estimates. , 2015, , .		1
89	Does Use of Development Model Affect Estimation Accuracy and Bias?. <i>Lecture Notes in Computer Science</i> , 2004, , 17-29.	1.0	1
90	How We Predict Time Usage. , 2018, , 5-11.		1

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91	Time Prediction Biases. , 2018, , 55-70.		1
92	Uncertainty of Time Predictions. , 2018, , 71-79.		0
93	Time Predictions: Matching the Method to the Situation. , 2018, , 103-107.		0
94	Time Prediction Methods and Principles. , 2018, , 81-102.		0
95	Team Resource Management Decisions in Software Development Projects. , 2021, , .		0
96	When 2+2 should be 5: The summation fallacy in time prediction. Journal of Behavioral Decision Making, 2022, 35, .	1.0	0