

James D Herbsleb

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

6,662
citations

430874

18
h-index

414414

32
g-index

87
all docs

87
docs citations

87
times ranked

2795
citing authors

#	ARTICLE	IF	CITATIONS
1	Two case studies of open source software development. ACM Transactions on Software Engineering and Methodology, 2002, 11, 309-346.	6.0	1,249
2	Global Software Engineering: The Future of Socio-technical Coordination. , 2007, , .		394
3	Familiarity, Complexity, and Team Performance in Geographically Distributed Software Development. Organization Science, 2007, 18, 613-630.	4.5	318
4	Team Knowledge and Coordination in Geographically Distributed Software Development. Journal of Management Information Systems, 2007, 24, 135-169.	4.3	307
5	Software quality and the Capability Maturity Model. Communications of the ACM, 1997, 40, 30-40.	4.5	266
6	Identification of coordination requirements. , 2006, , .		266
7	Splitting the organization and integrating the code. , 1999, , .		261
8	Influence of social and technical factors for evaluating contribution in GitHub. , 2014, , .		259
9	The geography of coordination. , 1999, , .		252
10	Distance, dependencies, and delay in a global collaboration. , 2000, , .		237
11	Socio-technical congruence. , 2008, , .		217
12	Software Dependencies, Work Dependencies, and Their Impact on Failures. IEEE Transactions on Software Engineering, 2009, 35, 864-878.	5.6	209
13	Expertise browser. , 2002, , .		148
14	Global software development at siemens. , 2005, , .		124
15	What is chat doing in the workplace?. , 2002, , .		119
16	Introducing instant messaging and chat in the workplace. , 2002, , .		113
17	Coordination Breakdowns and Their Impact on Development Productivity and Software Failures. IEEE Transactions on Software Engineering, 2013, 39, 343-360.	5.6	108
18	Let's talk about it: evaluating contributions through discussion in GitHub. , 2014, , .		108

#	ARTICLE	IF	CITATIONS
19	Tesseract: Interactive visual exploration of socio-technical relationships in software development. , 2009, , .		103
20	Improving API documentation usability with knowledge pushing. , 2009, , .		89
21	On Coordination Mechanisms in Global Software Development. , 2007, , .		76
22	Configuring global software teams. , 2011, , .		72
23	Ecosystem-level determinants of sustained activity in open-source projects: a case study of the PyPI ecosystem. , 2018, , .		72
24	Design Considerations for Online Deliberation Systems. Journal of Information Technology and Politics, 2012, 9, 97-115.	2.9	69
25	Scientific software production. , 2011, , .		64
26	Communication networks in geographically distributed software development. , 2008, , .		61
27	Characterizing the Sequential Structure of Interactive Behaviors Through Statistical and Grammatical Techniques. Human-Computer Interaction, 1994, 9, 427-472.	4.4	56
28	A case study of a corporate open source development model. , 2006, , .		43
29	Factors leading to integration failures in global feature-oriented development. , 2011, , .		43
30	Understanding the scientific software ecosystem and its impact: Current and future measures. Research Evaluation, 2015, 24, 454-470.	2.6	42
31	When It Breaks, It Breaks: How Ecosystem Developers Reason about the Stability of Dependencies. , 2015, , .		37
32	Incentives and integration in scientific software production. , 2013, , .		35
33	Architecting in software ecosystems. , 2010, , .		35
34	Object-Oriented Analysis and Design in Software Project Teams. Human-Computer Interaction, 1995, 10, 249-292.	4.4	35
35	Work-to-rule. , 2013, , .		34
36	Crowd development. , 2013, , .		32

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37	Managing a corporate open source software asset. Communications of the ACM, 2010, 53, 155-159.	4.5	30
38	Future of Mining Software Archives: A Roundtable. IEEE Software, 2009, 26, 67-70.	1.8	29
39	Supporting Virtual Team Formation through Community-Wide Deliberation. Proceedings of the ACM on Human-Computer Interaction, 2017, 1, 1-19.	3.3	28
40	Notation and representation in collaborative object-oriented design. ACM SIGPLAN Notices, 2007, 42, 261-280.	0.2	26
41	Architectural Misalignment: An Experience Report. , 2007, , .		26
42	Collaboration in Global Software Projects at Siemens: An Experience Report. , 2007, , .		26
43	Preserving knowledge in design projects. , 1993, , .		24
44	Social media and success in open source projects. , 2012, , .		24
45	Formulation and preliminary test of an empirical theory of coordination in software engineering. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2003, 28, 138-137.	0.7	23
46	Challenging licensure and certification.. American Psychologist, 1985, 40, 1165-1178.	4.2	22
47	Community Code Engagements. , 2014, , .		21
48	Measuring Similarity Similarly. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-28.	4.5	21
49	Understanding Hackathons for Science: Collaboration, Affordances, and Outcomes. Lecture Notes in Computer Science, 2019, , 27-37.	1.3	21
50	A Coordination Risk Analysis Method for Multi-site Projects: Experience Report. , 2009, , .		19
51	COMMUNICATION, TEAM PERFORMANCE, AND THE INDIVIDUAL: BRIDGING TECHNICAL DEPENDENCIES.. Proceedings - Academy of Management, 2010, 2010, 1-7.	0.1	19
52	Dependency forecasting in the distributed agile organization. Communications of the ACM, 2006, 49, 55-56.	4.5	18
53	The future of collaborative software development. , 2012, , .		18
54	Your process is showing. , 2013, , .		17

#	ARTICLE	IF	CITATIONS
55	From Personal Tool to Community Resource. , 2015, , .		17
56	Reading the documentation of invoked API functions in program comprehension. , 2009, , .		15
57	Beyond computer science. , 2005, , .		14
58	Corporate hackathons, how and why? A multiple case study of motivation, projects proposal and selection, goal setting, coordination, and outcomes. Human-Computer Interaction, 2020, , 1-33.	4.4	13
59	Socio-Technical Congruence: A Framework for Assessing the Impact of Technical and Work Dependencies on Software Development. SSRN Electronic Journal, 0, , .	0.4	13
60	A case study of open source tools and practices in a commercial setting. , 2005, , .		12
61	A case study of open source tools and practices in a commercial setting. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-6.	0.7	11
62	Building a socio-technical theory of coordination: why and how (outstanding research award). , 2016, , .		11
63	Structuring Documentation to Support State Search: A Laboratory Experiment about Protocol Programming. Lecture Notes in Computer Science, 2014, , 157-181.	1.3	10
64	NotMeeting. ACM SIGGROUP Bulletin, 1999, 20, 66-69.	0.4	10
65	Social media in transparent work environments. , 2013, , .		9
66	Metaphorical representation in collaborative software engineering. , 1999, , .		8
67	Limits and Possibilities for "Ethical AI" in Open Source: A Study of Deepfakes. , 2022, , .		8
68	Advanced services: Changing how we communicate. Bell Labs Technical Journal, 2005, 6, 211-228.	0.7	7
69	Virtual community presence awareness. ACM SIGGROUP Bulletin, 1998, 19, 11-14.	0.4	7
70	End-to-end features as meta-entities for enabling coordination in geographically distributed software development. , 2009, , .		6
71	Pushing relevant artifact annotations in collaborative software development. , 2008, , .		4
72	Intelligently Transparent Software Ecosystems. IEEE Software, 2016, 33, 89-96.	1.8	4

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73	Socio-technical coordination (keynote). , 2014, , .		3
74	Open Collaborative Writing. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-33.	3.3	3
75	Technical perspectiveMaintaining quality in the face of distributed development. Communications of the ACM, 2009, 52, 84-84.	4.5	2
76	Coordination in innovative design and engineering. , 2010, , .		2
77	Construction of association networks from communication in teams working on complex projects. Statistical Analysis and Data Mining, 2011, 4, 547-563.	2.8	2
78	Metaphorical representation in collaborative software engineering. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 1999, 24, 117-126.	0.7	1
79	Strategies for research about design. , 2007, , .		1
80	2 nd international workshop on socio-technical congruence (STC 2009). , 2009, , .		1
81	MSR: Mining for scientific results?. , 2010, , .		1
82	Talking about concerns. , 2011, , .		1
83	Conflict in Comments. , 2017, , .		1
84	Global software engineering in the age of GitHub and zoom. Journal of Software: Evolution and Process, 2023, 35, e2347.	1.6	1
85	2nd International Workshop on Context for Software Development (CSD 2015). , 2015, , .		0
86	Regarding Licensing Testily. PsycCritiques, 1988, 33, 122-123.	0.0	0