James D Herbsleb

List of Publications by Year
in descending order

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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	Global software engineering in the age of GitHub and zoom. Journal of Software: Evolution and Process, 2023, 35, e2347.	1.6	1
2	Limits and Possibilities for â€œEthical Alâ€•in Open Source: A Study of Deepfakes. , 2022, , .		8
3	Open Collaborative Writing. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-33.	3.3	3
4	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
5	Understanding Hackathons for Science: Collaboration, Affordances, and Outcomes. Lecture Notes in Computer Science, 2019, , 27-37.	1.3	21
6	Ecosystem-level determinants of sustained activity in open-source projects: a case study of the PyPI ecosystem. , 2018, , .		72
7	Measuring Similarity Similarly. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-28.	4.5	21
8	Conflict in Comments. , 2017, , .		1
9	Supporting Virtual Team Formation through Community-Wide Deliberation. Proceedings of the ACM on Human-Computer Interaction, 2017, 1, 1-19.	3.3	28
10	Building a socio-technical theory of coordination: why and how (outstanding research award). , 2016, , .		11
11	Intelligently Transparent Software Ecosystems. IEEE Software, 2016, 33, 89-96.	1.8	4
12	When It Breaks, It Breaks: How Ecosystem Developers Reason about the Stability of Dependencies. , 2015, , .		37
13	2nd International Workshop on Context for Software Development (CSD 2015). , 2015, , .		0
14	Understanding the scientific software ecosystem and its impact: Current and future measures. Research Evaluation, 2015, 24, 454-470.	2.6	42
15	From Personal Tool to Community Resource. , 2015, , .		17
16	Community Code Engagements. , 2014, , .		21
17	Let's talk about it: evaluating contributions through discussion in GitHub. , 2014, , .		108
18	Influence of social and technical factors for evaluating contribution in GitHub. , 2014, , .		259

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19	Socio-technical coordination (keynote). , 2014, , .		3
20	Structuring Documentation to Support State Search: A Laboratory Experiment about Protocol Programming. Lecture Notes in Computer Science, 2014, , 157-181.	1.3	10
21	Social media in transparent work environments. , 2013, , .		9
22	Coordination Breakdowns and Their Impact on Development Productivity and Software Failures. IEEE Transactions on Software Engineering, 2013, 39, 343-360.	5.6	108
23	Your process is showing. , 2013, , .		17
24	Incentives and integration in scientific software production. , 2013, , .		35
25	Work-to-rule. , 2013, , .		34
26	Crowd development. , 2013, , .		32
27	The future of collaborative software development. , 2012, , .		18
28	Social media and success in open source projects. , 2012, , .		24
29	Design Considerations for Online Deliberation Systems. Journal of Information Technology and Politics, 2012, 9, 97-115.	2.9	69
30	Configuring global software teams. , 2011, , .		72
31	Talking about concerns. , 2011, , .		1
32	Factors leading to integration failures in global feature-oriented development. , 2011, , .		43
33	Construction of association networks from communication in teams working on complex projects. Statistical Analysis and Data Mining, 2011, 4, 547-563.	2.8	2
34	Scientific software production. , 2011, , .		64
35	COMMUNICATION, TEAM PERFORMANCE, AND THE INDIVIDUAL: BRIDGING TECHNICAL DEPENDENCIES.. Proceedings - Academy of Management, 2010, 2010, 1-7.	0.1	19
36	MSR: Mining for scientific results?. , 2010, , .		1

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37	Managing a corporate open source software asset. Communications of the ACM, 2010, 53, 155-159.	4.5	30
38	Coordination in innovative design and engineering. , 2010, , .		2
39	Architecting in software ecosystems. , 2010, , .		35
40	Improving API documentation usability with knowledge pushing. , 2009, , .		89
41	End-to-end features as meta-entities for enabling coordination in geographically distributed software development. , 2009, , .		6
42	2nd international workshop on socio-technical congruence (STC 2009). , 2009, , .		1
43	Future of Mining Software Archives: A Roundtable. IEEE Software, 2009, 26, 67-70.	1.8	29
44	Reading the documentation of invoked API functions in program comprehension. , 2009, , .		15
45	Tesseract: Interactive visual exploration of socio-technical relationships in software development. , 2009, , .		103
46	A Coordination Risk Analysis Method for Multi-site Projects: Experience Report. , 2009, , .		19
47	Software Dependencies, Work Dependencies, and Their Impact on Failures. IEEE Transactions on Software Engineering, 2009, 35, 864-878.	5.6	209
48	Technical perspectiveMaintaining quality in the face of distributed development. Communications of the ACM, 2009, 52, 84-84.	4.5	2
49	Pushing relevant artifact annotations in collaborative software development. , 2008, , .		4
50	Socio-technical congruence. , 2008, , .		217
51	Communication networks in geographically distributed software development. , 2008, , .		61
52	Strategies for research about design. , 2007, , .		1
53	On Coordination Mechanisms in Global Software Development. , 2007, , .		76
54	Familiarity, Complexity, and Team Performance in Geographically Distributed Software Development. Organization Science, 2007, 18, 613-630.	4.5	318

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55	Team Knowledge and Coordination in Geographically Distributed Software Development. Journal of Management Information Systems, 2007, 24, 135-169.	4.3	307
56	Notation and representation in collaborative object-oriented design. ACM SIGPLAN Notices, 2007, 42, 261-280.	0.2	26
57	Architectural Misalignment: An Experience Report. , 2007, , .		26
58	Collaboration in Global Software Projects at Siemens: An Experience Report. , 2007, , .		26
59	Global Software Engineering: The Future of Socio-technical Coordination. , 2007, , .		394
60	A case study of a corporate open source development model. , 2006, , .		43
61	Dependency forecasting in the distributed agile organization. Communications of the ACM, 2006, 49, 55-56.	4.5	18
62	Identification of coordination requirements. , 2006, , .		266
63	Advanced services: Changing how we communicate. Bell Labs Technical Journal, 2005, 6, 211-228.	0.7	7
64	Global software development at siemens. , 2005, , .		124
65	A case study of open source tools and practices in a commercial setting. , 2005, , .		12
66	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
67	Beyond computer science. , 2005, , .		14
68	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
69	What is chat doing in the workplace?. , 2002, , .		119
70	Introducing instant messaging and chat in the workplace. , 2002, , .		113
71	Two case studies of open source software development. ACM Transactions on Software Engineering and Methodology, 2002, 11, 309-346.	6.0	1,249
72	Expertise browser. , 2002, , .		148

#	Article	IF	Citations
73	Distance, dependencies, and delay in a global collaboration. , 2000, , .		237
74	Metaphorical representation in collaborative software engineering. , 1999, , .		8
75	The geography of coordination. , 1999, , .		252
76	Splitting the organization and integrating the code. , 1999, , .		261
77	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
78	NotMeeting. ACM SIGGROUP Bulletin, 1999, 20, 66-69.	0.4	10
79	Virtual community prescence awareness. ACM SIGGROUP Bulletin, 1998, 19, 11-14.	0.4	7
80	Software quality and the Capability Maturity Model. Communications of the ACM, 1997, 40, 30-40.	4.5	266
81	Object-Oriented Analysis and Design in Software Project Teams. Human-Computer Interaction, 1995, 10, 249-292.	4.4	35
82	Characterizing the Sequential Structure of Interactive Behaviors Through Statistical and Grammatical Techniques. Human-Computer Interaction, 1994, 9, 427-472.	4.4	56
83	Preserving knowledge in design projects. , 1993, , .		24
84	Regarding Licensing Testily. PsycCritiques, 1988, 33, 122-123.	0.0	0
85	Challenging licensure and certification.. American Psychologist, 1985, 40, 1165-1178.	4.2	22
86	Socio-Technical Congruence: A Framework for Assessing the Impact of Technical and Work Dependencies on Software Development. SSRN Electronic Journal, 0, , .	0.4	13