Kevin Crowston

List of Publications by Year
in descending order

162 papers	9,417 citations	145106 33 h-index	66518 82 g-index
169 all docs	169 docs citations	169 times ranked	6168 citing authors

#	Article	IF	Citations
1	Examining Open Innovation in Science (OIS): what Open Innovation can and cannot offer the science of science. Innovation: Management, Policy and Practice, 2023, 25, 221-235.	2.6	3
2	Functional and Visionary Leadership in Self-Managing Virtual Teams. Group and Organization Management, 2021, 46, 424-460.	2.7	11
3	Participation in community-based free/libre open source software development tasks: the impact of task characteristics. Internet Research, 2021, 31, 1177-1202.	2.7	3
4	Evaluating MIDST, A System to Support Stigmergic Team Coordination. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-24.	2.5	3
5	Hybrid intelligence in business networks. Electronic Markets, 2021, 31, 313-318.	4.4	8
6	Discovering features in gravitational-wave data through detector characterization, citizen science and machine learning. Classical and Quantum Gravity, 2021, 38, 195016.	1.5	38
7	Knowledge Tracing to Model Learning in Online Citizen Science Projects. IEEE Transactions on Learning Technologies, 2020, 13, 123-134.	2.2	10
8	Teaching citizen scientists to categorize glitches using machine learning guided training. Computers in Human Behavior, 2020, 105, 106198.	5.1	9
9	Shifting forms of Engagement: Volunteer Learning in Online Citizen Science. Proceedings of the ACM on Human-Computer Interaction, 2020, 4, 1-19.	2.5	8
10	GitLab: work where you want, when you want. Journal of Organization Design, 2020, 9, 1.	0.7	23
11	Impacts of the Use of Machine Learning on Work Design. , 2020, , .		1
12	Documentation and access to knowledge in online communities: Know your audience and write appropriately?. Journal of the Association for Information Science and Technology, 2019, 70, 619-633.	1.5	3
13	Socio-technical Affordances for Stigmergic Coordination Implemented in MIDST, a Tool for Data-Science Teams. Proceedings of the ACM on Human-Computer Interaction, 2019, 3, 1-25.	2.5	12
14	Coordinating Advanced Crowd Work: Extending Citizen Science. Citizen Science: Theory and Practice, 2019, 4, .	0.6	6
15	Stages of motivation for contributing user-generated content: A theory and empirical test. International Journal of Human Computer Studies, 2018, 109, 89-101.	3.7	38
16	Did they login?. Proceedings of the ACM on Human-Computer Interaction, 2018, 2, 1-16.	2.5	9
17	Stigmergic Coordination in Wikipedia. , 2018, , .		10
18	Talking the Talk in Citizen Science. , 2018, , .		2

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19	Folksonomies to Support Coordination and Coordination of Folksonomies. Computer Supported Cooperative Work, 2018, 27, 647-678.	1.9	15
20	Appealing to different motivations in a message to recruit citizen scientists: results of a field experiment. Journal of Science Communication, 2018, 17, A02.	0.4	19
21	Coordinating Advanced Crowd Work: Extending Citizen Science. , 2018, , .		7
22	Introduction to the Digital and Social Media Track. , 2018, , .		0
23	Gamers, citizen scientists, and data: Exploring participant contributions in two games with a purpose. Computers in Human Behavior, 2017, 68, 254-268.	5.1	29
24	Roles and politeness behavior in community-based free/libre open source software development. Information and Management, 2017, 54, 573-582.	3.6	19
25	Recruiting Messages Matter. , 2017, , .		6
26	A pragmatic approach to managing enterprise IT infrastructures in the era of consumerization and individualization of IT. International Journal of Information Management, 2017, 37, 566-575.	10.5	26
27	Core-periphery communication and the success of free/libre open source software projects. Journal of Internet Services and Applications, 2017, 8, .	1.6	17
28	Lessons Learned from a Decade of FLOSS Data Collection. Computational Social Sciences, 2017, , 79-100.	0.4	1
29	Gravity Spy. , 2017, , .		1
30	Levels of Trace Data for Social and Behavioural Science Research. Computational Social Sciences, 2017, , 39-49.	0.4	3
31	Attitudes and norms affecting scientistsâ€™ data reuse. PLoS ONE, 2017, 12, e0189288.	1.1	64
32	Blending Machine and Human Learning Processes. , 2017, , .		5
33	Comparing Data Science Project Management Methodologies via a Controlled Experiment. , 2017, , .		48
34	Pursuing Best Performance in Research Data Management by Using the Capability Maturity Model and Rubrics. Journal of Escience Librarianship, 2017, 6, e1113.	0.2	7
35	Stigmergic coordination in FLOSS development teams: Integrating explicit and implicit mechanisms. Cognitive Systems Research, 2016, 38, 14-22.	1.9	33
36	Encouraging Work in Citizen Science: Experiments in Goal Setting and Anchoring. , 2016, , .		6

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37	Which Way Did They Go?. , 2016, , .		12
38	Inter-team coordination in large-scale agile development. , 2016, , .		2
39	Alignment in an inter-organisational network: the case of <i>ARC transistance</i>. European Journal of Information Systems, 2016, 25, 553-568.	5.5	6
40	Core-Periphery Communication and the Success of Free/Libre Open Source Software Projects. IFIP Advances in Information and Communication Technology, 2016, , 45-56.	0.5	2
41	Open Source Technology Development. , 2016, , 475-486.		3
42	"Guess what! You're the First to See this Event". , 2016, , .		4
43	Response to â€œIdeational Influence, Connectedness, and Venue Representation: Making an Assessment of Scholarly Capitalâ€∙ Journal of the Association for Information Systems, 2016, 17, 29-33.	2.4	1
44	Introduction to the Digital and Social Media Track. , 2015, , .		0
45	The rise and fall of an online project. , 2015, , .		8
46	Motivations for Sustained Participation in Crowdsourcing: Case Studies of Citizen Science on the Role of Talk. , 2015, , .		19
47	Social Networks and the Success of Market Intermediaries: Evidence From the U.S. Residential Real Estate Industry. Information Society, 2015, 31, 361-378.	1.7	5
48	Collective Problem Solving. , 2015, , .		0
49	Perceived discontinuities and continuities in transdisciplinary scientific working groups. Science of the Total Environment, 2015, 534, 159-172.	3.9	32
50	Being present in online communities. , 2015, , .		6
51	Open Source Technology Development. , 2015, , 1-9.		0
52	â€œPersonasâ€∙to Support Development of Cyberinfrastructure for Scientific Data Sharing. Journal of Escience Librarianship, 2015, 4, e1082.	0.2	2
53	Open Source Technology Development. , 2015, , 1-10.		0
54	ICIS 2008 Panel Report: Open Access Publishing to Nurture the Sprouts of Knowledge and the Future of Information Systems Research. SSRN Electronic Journal, 2014, , .	0.4	0

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55	Planet hunters and seafloor explorers. , 2014, , .		44
56	Digital assemblages: evidence and theorising from the computerisation of the <scp>US</scp> residential real estate industry. New Technology, Work and Employment, 2014, 29, 40-56.	2.6	19
57	Understanding group maintenance behavior in Free/Libre Open-Source Software projects: The case of Fire and Gaim. Information and Management, 2014, 51, 297-309.	3.6	10
58	Introduction to Digital and Social Media Track. , 2014, , .		0
59	Collaboration Through Open Superposition: A Theory of the Open Source Way. MIS Quarterly: Management Information Systems, 2014, 38, 29-50.	3.1	112
60	Optimizing Features in Active Machine Learning for Complex Qualitative Content Analysis. , 2014, , .		7
61	Design of an Active Learning System with Human Correction for Content Analysis. , 2014, , .		4
62	Socializing the Crowd: Learning to Talk in Citizen Science. Proceedings - Academy of Management, 2014, 2014, 16799.	0.0	4
63	Motivation and Data Quality in a Citizen Science Game: A Design Science Evaluation. , 2013, , .		43
64	Is Wikipedia Inefficient? Modelling Effort and Participation in Wikipedia. , 2013, , .		6
65	Boundary-Spanning Documents in Online FLOSS Communities: Does One Size Fit All?. , 2013, , .		3
66	Introduction to Open Movements Minitrack. , 2013, , .		0
67	Introduction to Socio-materiality of Information -- Documents and Work Minitrack. , 2013, , .		0
68	Citizen science system assemblages. , 2012, , .		27
69	Purposeful gaming & socio-computational systems. , 2012, , .		28
70	Goals and Tasks: Two Typologies of Citizen Science Projects. , 2012, , .		44
71	Using natural language processing technology for qualitative data analysis. International Journal of Social Research Methodology: Theory and Practice, 2012, 15, 523-543.	2.3	86
72	Introduction to the Open Movements Minitrack. , 2012, , .		0

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73	Introduction to the Documenting Work and Working Documents Minitrack. , 2012, , .		0
74	The future of citizen science: emerging technologies and shifting paradigms. Frontiers in Ecology and the Environment, 2012, 10, 298-304.	1.9	524
75	Free/Libre open-source software development. ACM Computing Surveys, 2012, 44, 1-35.	16.1	303
76	Perceived discontinuities and constructed continuities in virtual work. Information Systems Journal, 2012, 22, 29-52.	4.1	80
77	Amazon Mechanical Turk: A Research Tool for Organizations and Information Systems Scholars. International Federation for Information Processing, 2012, , 210-221.	0.4	55
78	What Characterize Documents That Bridge Boundaries Compared to Documents That Do Not? An Exploratory Study of Documentation in FLOSS Teams. , 2011, , .		2
79	Gaming for (Citizen) Science: Exploring Motivation and Data Quality in the Context of Crowdsourced Science through the Design and Evaluation of a Social-Computational System. , 2011, , .		30
80	Participation in ICT-Enabled Meetings. Journal of Organizational and End User Computing, 2011, 23, 15-36.	1.6	17
81	A capability maturity model for scientific data management: Evidence from the literature. Proceedings of the American Society for Information Science and Technology, 2011, 48, 1-9.	0.2	39
82	Technology adoption and use theory review for studying scientists' continued use of cyber-infrastructure. Proceedings of the American Society for Information Science and Technology, 2011, 48, 1-10.	0.2	36
83	From Conservation to Crowdsourcing: A Typology of Citizen Science. , 2011, , .		364
84	Mechanisms for Data Quality and Validation in Citizen Science. , 2011, , .		109
85	Lessons from Volunteering and Free/Libre Open Source Software Development for the Future of Work. International Federation for Information Processing, 2011, , 215-229.	0.4	14
86	Validity Issues in the Use of Social Network Analysis with Digital Trace Data. Journal of the Association for Information Systems, 2011, 12, 767-797.	2.4	206
87	Developing a conceptual model of virtual organisations for citizen science. International Journal of Organisational Design and Engineering, 2010, 1, 148.	0.6	37
88	Machine learning and rule-based automated coding of qualitative data. Proceedings of the American Society for Information Science and Technology, 2010, 47, 1-2.	0.2	23
89	A capability maturity model for scientific data management. Proceedings of the American Society for Information Science and Technology, 2010, 47, 1-2.	0.2	6
90	Analyzing Leadership Dynamics in Distributed Group Communication. , 2010, , .		10

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91	Wikisym doctoral symposium. , 2010, , .		0
92	Heartbeat: Measuring Active User Base and Potential User Interest in FLOSS Projects. IFIP Advances in Information and Communication Technology, 2009, , 94-104.	0.5	17
93	Group Maintenance Behaviors of Core and Peripherial Members of Free/Libre Open Source Software Teams. IFIP Advances in Information and Communication Technology, 2009, , 298-309.	0.5	5
94	Bug Fixing Practices within Free/Libre Open Source Software Development Teams. , 2009, , 1079-1110.		2
95	FLOSSmole. , 2009, , 18-27.		30
96	Bug Fixing Practices within Free/Libre Open Source Software Development Teams. , 2009, , 797-828.		0
97	FLOSSmole. , 2009, , 85-94.		0
98	Competency rallying for technical innovation—The case of the Virtuelle Fabrik. Technovation, 2008, 28, 679-692.	4.2	41
99	GROUP MAINTENANCE IN TECHNOLOGY-SUPPORTED DISTRIBUTED TEAMS.. Proceedings - Academy of Management, 2008, 2008, 1-6.	0.0	2
100	Shared Mental Models among Open Source Software Developers. , 2008, , .		18
101	Bug Fixing Practices within Free/Libre Open Source Software Development Teams. Journal of Database Management, 2008, 19, 1-30.	1.0	66
102	Social Dynamics of FLOSS Team Communication Across Channels. International Federation for Information Processing, 2008, , 131-142.	0.4	18
103	eResearch Workflows for Studying Free and Open Source Software Development. International Federation for Information Processing, 2008, , 405-411.	0.4	3
104	Empirical Studies of Open Source Software Development. , 2007, , .		0
105	Minitrack: Genres of Digital Documents. , 2007, , .		0
106	Self-organization of teams for free/libre open source software development. Information and Software Technology, 2007, 49, 564-575.	3.0	162
107	The Role of Face-to-Face Meetings in Technology-Supported Self-Organizing Distributed Teams. IEEE Transactions on Professional Communication, 2007, 50, 185-203.	0.6	42
108	Emergent Decision-Making Practices in Free/Libre Open Source Software (Floss) Development Teams. , 2007, , 71-84.		10

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109	Virtuality and Virtualization. , 2007, , 1-7.		4
110	A Structurational Perspective on Leadership in Virtual Teams. , 2007, , 151-168.		5
111	Information systems success in free and open source software development: theory and measures. Software Process Improvement and Practice, 2006, 11, 123-148.	1.1	196
112	Hierarchy and centralization in free and open source software team communications. Knowledge, Technology and Policy: the International Journal of Knowledge Transfer and Utilization, 2006, 18, 65-85.	0.5	128
113	Assessing the Health of Open Source Communities. Computer, 2006, 39, 89-91.	1.2	57
114	Core and Periphery in Free/Libre and Open Source Software Team Communications. , 2006, , .		111
115	Customer Satisfaction with Electronic Service Encounters. International Journal of Electronic Commerce, 2006, 10, 73-104.	1.4	70
116	Social dynamics of free and open source team communications. International Federation for Information Processing, 2006, , 319-330.	0.4	50
117	FLOSSmole. International Journal of Information Technology and Web Engineering, 2006, 1, 17-26.	1.2	103
118	From Individual Contribution to Group Learning. International Federation for Information Processing, 2006, , 77-90.	0.4	3
119	The role of mental models in FLOSS development work practices. International Federation for Information Processing, 2006, , 91-97.	0.4	1
120	Identifying Document Genre to Improve Web Search Effectiveness. Bulletin of the American Society for Information Science, 2005, 27, 23-26.	0.3	12
121	Collaboration using OSSmole. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-5.	0.5	18
122	Redefining Access: Uses and Roles of Information and Communication Technologies in the US Residential Real Estate Industry from 1995 to 2005. Journal of Information Technology, 2005, 20, 213-223.	2.5	25
123	Methods for modeling and supporting innovation processes in SMEs. European Journal of Innovation Management, 2005, 8, 120-137.	2.4	159
124	Information Systems in Organizations and Society: Speculating on the Next 25 Years of Research. International Federation for Information Processing, 2004, , 35-52.	0.4	5
125	Information technology and the transformation of industries: three research perspectives. Journal of Strategic Information Systems, 2004, 13, 5-28.	3.3	81
126	The Social Embeddedness of Transactions: Evidence from the Residential Real-Estate Industry. Information Society, 2003, 19, 135-154.	1.7	25

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127	Internet review. Information Technology and People, 2003, 16, .	1.9	0
128	Internet review. Information Technology and People, 2003, 16, .	1.9	0
129	Internet review. Information Technology and People, 2003, 16, .	1.9	0
130	Discontinuities and continuities: a new way to understand virtual work. Information Technology and People, 2002, 15, 191-209.	1.9	182
131	Open source software projects as virtual organisations: competency rallying for software development. IET Software, 2002, 149, 3.	1.0	129
132	Investigating the interplay between structure and information and communications technology in the real estate industry. Information Technology and People, 2001, 14, 163-183.	1.9	46
133	Reproduced and Emergent Genres of Communication on the World Wide Web. Information Society, 2000, 16, 201-215.	1.7	172
134	Process as Theory in Information Systems Research. IFIP Advances in Information and Communication Technology, 2000, , 149-164.	0.5	30
135	Internet review. Information Technology and People, 2000, 13, .	1.9	0
136	Tools for Inventing Organizations: Toward a Handbook of Organizational Processes. Management Science, 1999, 45, 425-443.	2.4	504
137	Coordination and collective mind in software requirements development. IBM Systems Journal, 1998, 37, 227-245.	3.1	154
138	Constructing Intelligent Agents with Java: A Programmer's Guide to Smarter Applications. Internet Research, 1998, 8, .	2.7	2
139	A Coordination Theory Approach to Organizational Process Design. Organization Science, 1997, 8, 157-175.	3.0	391
140	An approach to evolving novel organizational forms. Computational and Mathematical Organization Theory, 1996, 2, 29-47.	1.5	10
141	The interdisciplinary study of coordination. ACM Computing Surveys, 1994, 26, 87-119.	16.1	2,388
142	What is coordination theory and how can it help design cooperative work systems?. , 1990, , .		437
143	How do experienced information lens users use rules?. , 1989, , .		29
144	Cognitive Science and Organizational Design. ACM SIGCHI Bulletin, 1988, 20, 80.	0.2	2

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145	Information Technology and Work Organization. , 1988, , 1051-1070.		25
146	Cognitive Science and Organizational Design: A Case Study of Computer Conferencing. Human-Computer Interaction, 1987, 3, 59-85.	3.1	33
147	Cognitive science and organizational design. , 1986, , .		7
148	Reproduced and emergent genres of communication on the World-Wide Web. , 0, , .		57
149	Genre based navigation on the Web. , 0, , .		32
150	A new perspective on "virtual": analyzing discontinuities in the work environment. , 0, , .		10
151	Open Source Software Development: Minitrack Introduction. , 0, , .		1
152	Genres of Digital Documents: Minitrack Introduction. , 0, , .		0
153	Building an Apparatus: Refractive, Reflective, and Diffractive Readings of Trace Data. Journal of the Association for Information Systems, 0, , 1-22.	2.4	19
154	Assessing IS Research Impact. Communications of the Association for Information Systems, 0, 36, .	0.7	4
155	Too Few New Wikipedians? Modelling Effort and Participation in Wikipedia. SSRN Electronic Journal, 0, , .	0.4	1
156	The social structure of free and open source software development. First Monday, 0, , .	0.6	285
157	Surveying the citizen science landscape. First Monday, 0, , .	0.6	33
158	Future research on FLOSS development. First Monday, 0, , .	0.6	4
159	Open Source Software Adoption: A Technological Innovation Perspective. SSRN Electronic Journal, 0, , .	0.4	2
160	Rejoinder to Open Access: The Whipping Boy for Problems in Scholarly Publishing. Communications of the Association for Information Systems, 0, 37, .	0.7	1
161	Participation in ICT-Enabled Meetings. , 0, , 192-214.		0
162	Bug Fixing Practices within Free/Libre Open Source Software Development Teams. Advances in Database Research Series, 0, , 51-81.	0.1	0