Igor Steinmacher

List of Publications by Year
in descending order

84	1,964	516710 16	477307 29
papers	citations	h-index	g-index

87	87	87	742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Social Barriers Faced by Newcomers Placing Their First Contribution in Open Source Software Projects. , 2015, , .		189
2	A systematic literature review on the barriers faced by newcomers to open source software projects. Information and Software Technology, 2015, 59, 67-85.	4.4	135
3	The Power of Bots. Proceedings of the ACM on Human-Computer Interaction, 2018, 2, 1-19.	3.3	100
4	Overcoming open source project entry barriers with a portal for newcomers. , 2016, , .		91
5	More Common Than You Think: An In-depth Study of Casual Contributors. , 2016, , .		71
6	Why do newcomers abandon open source software projects?. , 2013, , .		70
7	Almost there. , 2018, , .		65
8	Newcomersâ€™ Barriers. . . Is That All? An Analysis of Mentorsâ€™ and Newcomersâ€™ Barriers in OSS Projects. Computer Supported Cooperative Work, 2018, 27, 679-714.	2.9	62
9	Let Me In: Guidelines for the Successful Onboarding of Newcomers to Open Source Projects. IEEE Software, 2019, 36, 41-49.	1.8	62
10	Awareness Support in Distributed Software Development: A Systematic Review and Mapping of the Literature. Computer Supported Cooperative Work, 2013, 22, 113-158.	2.9	60
11	The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source. , 2021, , .		51
12	The hard life of open source software project newcomers. , 2014, , .		49
13	How modern news aggregators help development communities shape and share knowledge. , 2018, , .		45
14	Awareness Support in Global Software Development: A Systematic Review Based on the 3C Collaboration Model. Lecture Notes in Computer Science, 2010, , 185-201.	1.3	43
15	Understanding Development Process of Machine Learning Systems: Challenges and Solutions. , 2019, , .		37
16	Effects of Adopting Code Review Bots on Pull Requests to OSS Projects. , 2020, , .		37
17	Training Software Engineers Using Open-Source Software: The Students' Perspective. , 2019, , .		36
18	Preliminary Empirical Identification of Barriers Faced by Newcomers to Open Source Software Projects. , 2014, , .		34

#	Article	IF	Citations
19	Who is Who in the Mailing List? Comparing Six Disambiguation Heuristics to Identify Multiple Addresses of a Participant. , 2016, , .		32
20	Training Software Engineers Using Open-Source Software: The Professors' Perspective. , 2017, , .		31
21	Hidden Figures: Roles and Pathways of Successful OSS Contributors. Proceedings of the ACM on Human-Computer Interaction, 2020, 4, 1-22.	3.3	29
22	Barriers Faced by Newcomers to Open Source Projects: A Systematic Review. IFIP Advances in Information and Communication Technology, 2014, , 153-163.	0.7	27
23	Barriers Faced by Newcomers to Software-Crowdsourcing Projects. IEEE Software, 2017, 34, 37-43.	1.8	26
24	Recommending mentors to software project newcomers. , 2012, , .		25
25	Understanding and Supporting the Choice of an Appropriate Task to Start with in Open Source Software Communities. , 2015, , .		22
26	Don't Disturb Me: Challenges of Interacting with Software Bots on Open Source Software Projects. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-21.	3.3	22
27	Overcoming Social Barriers When Contributing to Open Source Software Projects. Computer Supported Cooperative Work, 2019, 28, 247-290.	2.9	21
28	Recommending Tasks to Newcomers in OSS Projects. , 2020, , .		21
29	Womenâ€™s Participation in Open Source Software: A Survey of the Literature. ACM Transactions on Software Engineering and Methodology, 2022, 31, 1-37.	6.0	21
30	Should I Stale or Should I Close? An Analysis of a Bot That Closes Abandoned Issues and Pull Requests. , 2019, , .		20
31	Training the future workforce through task curation in an OSS ecosystem. , 2016, , .		19
32	On the challenges of open-sourcing proprietary software projects. Empirical Software Engineering, 2018, 23, 3221-3247.	3.9	19
33	How Gender-Biased Tools Shape Newcomer Experiences in OSS Projects. IEEE Transactions on Software Engineering, 2022, 48, 241-259.	5.6	18
34	Code and commit metrics of developer productivity: a study on team leaders perceptions. Empirical Software Engineering, 2020, 25, 2519-2549.	3.9	18
35	What Attracts Newcomers to Onboard on OSS Projects? TL;DR: Popularity. IFIP Advances in Information and Communication Technology, 2019, , 91-103.	0.7	18
36	A theory of the engagement in open source projects via summer of code programs. , 2020, , .		18

#	Article	IF	Citations
37	Who gets a patch accepted first?. , 2018, , .		17
38	Ten simple rules for helping newcomers become contributors to open projects. PLoS Computational Biology, 2019, 15, e1007296.	3.2	17
39	Using contextual information to predict co-changes. Journal of Systems and Software, 2017, 128, 220-235.	4.5	16
40	Twenty Years of Open Source Software: From Skepticism to Mainstream. IEEE Software, 2019, 36, 12-15.	1.8	16
41	Google summer of code: Student motivations and contributions. Journal of Systems and Software, 2020, 162, 110487.	4.5	16
42	What Makes a Great Maintainer of Open Source Projects?. , 2021, , .		16
43	Using Gamification to Orient and Motivate Students to Contribute to OSS Projects. , 2017, , .		14
44	Free and open source software development: the end of the teenage years. Journal of Internet Services and Applications, 2017, 8, .	2.1	11
45	Who drives company-owned OSS projects: internal or external members?. Journal of the Brazilian Computer Society, 2018, 24, .	1.3	11
46	Studentsâ€™ and Instructorsâ€™ Perceptions of Five Different Active Learning Strategies Used to Teach Software Modeling. IEEE Access, 2019, 7, 184063-184077.	4.2	11
47	Being a Mentor in open source projects. Journal of Internet Services and Applications, 2021, 12, .	2.1	11
48	The Long Road Ahead: Ongoing Challenges in Contributing to Large OSS Organizations and What to Do. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-30.	3.3	11
49	Social metrics included in prediction models on software engineering. , 2014, , .		10
50	How Does the Shift to GitHub Impact Project Collaboration?. , 2016, , .		10
51	Competence, collaboration, and time management. , 2018, , .		10
52	Can I Solve It? Identifying APIs Required to Complete OSS Tasks. , 2021, , .		10
53	Will you come back to contribute? Investigating the inactivity of OSS core developers in GitHub. Empirical Software Engineering, 2022, 27, 1.	3.9	10
54	Pull Requests or Commits? Which Method Should We Use to Study Contributors' Behavior?. , 2020, , .		9

#	Article	IF	Citations
55	Checklist-based Inspection of SMarty Variability Models - Proposal and Empirical Feasibility Study. , 2015, , .		8
56	What can commit metadata tell us about design degradation?. , 2013, , .		6
57	Increasing the Self-Efficacy of Newcomers to Open Source Software Projects. , 2015, , .		6
58	Pots of Gold at the End of the Rainbow: What is Success for Open Source Contributors?. IEEE Transactions on Software Engineering, 2022, 48, 3940-3953.	5.6	6
59	OntoDiSENv1: an Ontology to Support Global Software Development. CLEI Electronic Journal, 2011, 14, .	0.3	6
60	When students become contributors. , 2018, , .		5
61	An Empirical Investigation on the Challenges Faced by Women in the Software Industry: A Case Study. , 2022, , .		5
62	Newcomers Withdrawal in Open Source Software Projects: Analysis of Hadoop Common Project. , 2012, , .		4
63	Students' Engagement in Open Source Projects. , 2017, , .		4
64	A Gamification Proposal to Support the Onboarding of Newcomers in the FLOSScoach Portal. , 2018, , .		4
65	Quality gatekeepers: investigating the effects of code review bots on pull request activities. Empirical Software Engineering, 2022, 27, .	3.9	4
66	Prediction of Developer Participation in Issues of Open Source Projects. , 2012, , .		3
67	An empirical study on task documentation in software crowdsourcing. , 2018, , .		3
68	UML Acceptance. , 2019, , .		3
69	Leaving Behind the Software History When Transitioning to Open Source: Reasons and Implications. IFIP Advances in Information and Communication Technology, 2018, , 50-60.	0.7	2
70	Strategies for Crowdworkers to Overcome Barriers in Competition-based Software Crowdsourcing Development. , 2020, , .		2
71	How toÂFind My Task? Chatbot to Assist Newcomers in Choosing Tasks in OSS Projects. Lecture Notes in Computer Science, 2022, , 90-107.	1.3	2
72	Predicting Change Propagation from Repository Information. , 2015, , .		1

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73	Is a Picture worth a Thousand Words?. , 2016, , .		1
74	Characterizing the hyperspecialists in the context of crowdsourcing software development. Journal of the Brazilian Computer Society, 2018, 24, .	1.3	1
75	What are the differences between group and individual modeling when learning UML?. , 2018, , .		1
76	Pieces of contextual information suitable for predicting co-changes? An empirical study. Software Quality Journal, 2019, 27, 1481-1503.	2.2	1
77	How Open is the SBES PC Community?. , 2019, , .		1
78	Perceptions of the State of D&I and D&I Initiative in the ASF. , 2022, , .		1
79	An Extensible Service for Experts Recommendation on Distributed Software Development Projects. , 2012, , .		0
80	A Collective Intelligence Based System for Visualizing Problems in Public Roads. , 2012, , .		0
81	Refactoring from 9 to 5? What and When Employees and Volunteers Contribute to OSS. , 2020, , .		0
82	Challenges for Inclusion in Software Engineering: The Case of the Emerging Papua New Guinean Society. IEEE Software, 2021, , 0-0.	1.8	0
83	How Online Forums Complement Task Documentation in Software Crowdsourcing. , 2020, , .		0
84	Assessing the Characteristics of FOSS Contributions in Network Automation Projects. , 2020, , .		0