

Igor Steinmacher

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

1,964
citations

516710

16
h-index

477307

29
g-index

87
all docs

87
docs citations

87
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	How Gender-Biased Tools Shape Newcomer Experiences in OSS Projects. IEEE Transactions on Software Engineering, 2022, 48, 241-259.	5.6	18
2	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
3	How to Find My Task? Chatbot to Assist Newcomers in Choosing Tasks in OSS Projects. Lecture Notes in Computer Science, 2022, , 90-107.	1.3	2
4	Will you come back to contribute? Investigating the inactivity of OSS core developers in GitHub. Empirical Software Engineering, 2022, 27, 1.	3.9	10
5	Women'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
6	Quality gatekeepers: investigating the effects of code review bots on pull request activities. Empirical Software Engineering, 2022, 27, .	3.9	4
7	Perceptions of the State of D&I and D&I Initiative in the ASF. , 2022, , .		1
8	An Empirical Investigation on the Challenges Faced by Women in the Software Industry: A Case Study. , 2022, , .		5
9	Challenges for Inclusion in Software Engineering: The Case of the Emerging Papua New Guinean Society. IEEE Software, 2021, , 0-0.	1.8	0
10	Can I Solve It? Identifying APIs Required to Complete OSS Tasks. , 2021, , .		10
11	What Makes a Great Maintainer of Open Source Projects?. , 2021, , .		16
12	The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source. , 2021, , .		51
13	Being a Mentor in open source projects. Journal of Internet Services and Applications, 2021, 12, .	2.1	11
14	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
15	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
16	Google summer of code: Student motivations and contributions. Journal of Systems and Software, 2020, 162, 110487.	4.5	16
17	Refactoring from 9 to 5? What and When Employees and Volunteers Contribute to OSS. , 2020, , .		0
18	Code and commit metrics of developer productivity: a study on team leaders perceptions. Empirical Software Engineering, 2020, 25, 2519-2549.	3.9	18

#	ARTICLE	IF	CITATIONS
19	Pull Requests or Commits? Which Method Should We Use to Study Contributors' Behavior?. , 2020, , .		9
20	A theory of the engagement in open source projects via summer of code programs. , 2020, , .		18
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	Strategies for Crowdworkers to Overcome Barriers in Competition-based Software Crowdsourcing Development. , 2020, , .		2
23	How Online Forums Complement Task Documentation in Software Crowdsourcing. , 2020, , .		0
24	Recommending Tasks to Newcomers in OSS Projects. , 2020, , .		21
25	Assessing the Characteristics of FOSS Contributions in Network Automation Projects. , 2020, , .		0
26	Effects of Adopting Code Review Bots on Pull Requests to OSS Projects. , 2020, , .		37
27	Pieces of contextual information suitable for predicting co-changes? An empirical study. Software Quality Journal, 2019, 27, 1481-1503.	2.2	1
28	Understanding Development Process of Machine Learning Systems: Challenges and Solutions. , 2019, , .		37
29	Training Software Engineers Using Open-Source Software: The Students' Perspective. , 2019, , .		36
30	Studentsâ€™ and Instructorsâ€™ Perceptions of Five Different Active Learning Strategies Used to Teach Software Modeling. IEEE Access, 2019, 7, 184063-184077.	4.2	11
31	UML Acceptance. , 2019, , .		3
32	Ten simple rules for helping newcomers become contributors to open projects. PLoS Computational Biology, 2019, 15, e1007296.	3.2	17
33	Should I Stale or Should I Close? An Analysis of a Bot That Closes Abandoned Issues and Pull Requests. , 2019, , .		20
34	Twenty Years of Open Source Software: From Skepticism to Mainstream. IEEE Software, 2019, 36, 12-15.	1.8	16
35	Overcoming Social Barriers When Contributing to Open Source Software Projects. Computer Supported Cooperative Work, 2019, 28, 247-290.	2.9	21
36	Let Me In: Guidelines for the Successful Onboarding of Newcomers to Open Source Projects. IEEE Software, 2019, 36, 41-49.	1.8	62

#	ARTICLE	IF	CITATIONS
37	What Attracts Newcomers to Onboard on OSS Projects? TL;DR: Popularity. IFIP Advances in Information and Communication Technology, 2019, , 91-103.	0.7	18
38	How Open is the SBES PC Community?. , 2019, , .		1
39	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
40	On the challenges of open-sourcing proprietary software projects. Empirical Software Engineering, 2018, 23, 3221-3247.	3.9	19
41	How modern news aggregators help development communities shape and share knowledge. , 2018, , .		45
42	Who gets a patch accepted first?. , 2018, , .		17
43	Who drives company-owned OSS projects: internal or external members?. Journal of the Brazilian Computer Society, 2018, 24, .	1.3	11
44	Characterizing the hyperspecialists in the context of crowdsourcing software development. Journal of the Brazilian Computer Society, 2018, 24, .	1.3	1
45	The Power of Bots. Proceedings of the ACM on Human-Computer Interaction, 2018, 2, 1-19.	3.3	100
46	Almost there. , 2018, , .		65
47	When students become contributors. , 2018, , .		5
48	What are the differences between group and individual modeling when learning UML?. , 2018, , .		1
49	A Gamification Proposal to Support the Onboarding of Newcomers in the FLOSScoach Portal. , 2018, , .		4
50	Competence, collaboration, and time management. , 2018, , .		10
51	An empirical study on task documentation in software crowdsourcing. , 2018, , .		3
52	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
53	Barriers Faced by Newcomers to Software-Crowdsourcing Projects. IEEE Software, 2017, 34, 37-43.	1.8	26
54	Students' Engagement in Open Source Projects. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
55	Using Gamification to Orient and Motivate Students to Contribute to OSS Projects. , 2017, , .		14
56	Using contextual information to predict co-changes. Journal of Systems and Software, 2017, 128, 220-235.	4.5	16
57	Training Software Engineers Using Open-Source Software: The Professors' Perspective. , 2017, , .		31
58	Free and open source software development: the end of the teenage years. Journal of Internet Services and Applications, 2017, 8, .	2.1	11
59	Is a Picture worth a Thousand Words?. , 2016, , .		1
60	How Does the Shift to GitHub Impact Project Collaboration?. , 2016, , .		10
61	Who is Who in the Mailing List? Comparing Six Disambiguation Heuristics to Identify Multiple Addresses of a Participant. , 2016, , .		32
62	Overcoming open source project entry barriers with a portal for newcomers. , 2016, , .		91
63	Training the future workforce through task curation in an OSS ecosystem. , 2016, , .		19
64	More Common Than You Think: An In-depth Study of Casual Contributors. , 2016, , .		71
65	Predicting Change Propagation from Repository Information. , 2015, , .		1
66	Understanding and Supporting the Choice of an Appropriate Task to Start with in Open Source Software Communities. , 2015, , .		22
67	Social Barriers Faced by Newcomers Placing Their First Contribution in Open Source Software Projects. , 2015, , .		189
68	Increasing the Self-Efficacy of Newcomers to Open Source Software Projects. , 2015, , .		6
69	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
70	Checklist-based Inspection of SMarty Variability Models - Proposal and Empirical Feasibility Study. , 2015, , .		8
71	Preliminary Empirical Identification of Barriers Faced by Newcomers to Open Source Software Projects. , 2014, , .		34
72	The hard life of open source software project newcomers. , 2014, , .		49

#	ARTICLE	IF	CITATIONS
73	Social metrics included in prediction models on software engineering. , 2014, , .		10
74	Barriers Faced by Newcomers to Open Source Projects: A Systematic Review. IFIP Advances in Information and Communication Technology, 2014, , 153-163.	0.7	27
75	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
76	Why do newcomers abandon open source software projects?. , 2013, , .		70
77	What can commit metadata tell us about design degradation?. , 2013, , .		6
78	Recommending mentors to software project newcomers. , 2012, , .		25
79	Prediction of Developer Participation in Issues of Open Source Projects. , 2012, , .		3
80	An Extensible Service for Experts Recommendation on Distributed Software Development Projects. , 2012, , .		0
81	A Collective Intelligence Based System for Visualizing Problems in Public Roads. , 2012, , .		0
82	Newcomers Withdrawal in Open Source Software Projects: Analysis of Hadoop Common Project. , 2012, , .		4
83	OntoDiSEnv1: an Ontology to Support Global Software Development. CLEI Electronic Journal, 2011, 14, .	0.3	6
84	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