

# Collin Mcmillan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11665591/publications.pdf>

Version: 2024-02-01

33  
papers

1,567  
citations

1163117

8  
h-index

1372567

10  
g-index

34  
all docs

34  
docs citations

34  
times ranked

717  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Code Summarization via a Graph Neural Network. , 2020, , .		168
2	Automatic documentation generation via source code summarization of method context. , 2014, , .		143
3	Automatically generating commit messages from diffs using neural machine translation. , 2017, , .		134
4	A search engine for finding highly relevant applications. , 2010, , .		107
5	Exemplar: A Source Code Search Engine for Finding Highly Relevant Applications. IEEE Transactions on Software Engineering, 2012, 38, 1069-1087.	5.6	100
6	Combining textual and structural analysis of software artifacts for traceability link recovery. , 2009, , .		66
7	An empirical investigation into a large-scale Java open source code repository. , 2010, , .		66
8	On using machine learning to automatically classify software applications into domain categories. Empirical Software Engineering, 2014, 19, 582-618.	3.9	63
9	Improved Automatic Summarization of Subroutines via Attention to File Context. , 2020, , .		58
10	Recommending source code examples via API call usages and documentation. , 2010, , .		44
11	Detecting User Story Information in Developer-Client Conversations to Generate Extractive Summaries. , 2017, , .		44
12	An Eye-Tracking Study of Java Programmers and Application to Source Code Summarization. IEEE Transactions on Software Engineering, 2015, 41, 1038-1054.	5.6	43
13	Categorizing software applications for maintenance. , 2011, , .		39
14	Towards Automatic Generation of Short Summaries of Commits. , 2017, , .		29
15	An empirical study of the textual similarity between source code and source code summaries. Empirical Software Engineering, 2016, 21, 17-42.	3.9	28
16	Detecting speech act types in developer question/answer conversations during bug repair. , 2018, , .		27
17	An Empirical Study on the Patterns of Eye Movement during Summarization Tasks. , 2015, , .		22
18	Do Programmers do Change Impact Analysis in Debugging?. Empirical Software Engineering, 2017, 22, 631-669.	3.9	21

#	ARTICLE	IF	CITATIONS
19	Adapting Neural Text Classification for Improved Software Categorization. , 2018, , .		21
20	Towards Prioritizing Documentation Effort. IEEE Transactions on Software Engineering, 2018, 44, 897-913.	5.6	18
21	Automated feature discovery via sentence selection and source code summarization. Journal of Software: Evolution and Process, 2016, 28, 120-145.	1.6	11
22	A Comparison of Program Comprehension Strategies by Blind and Sighted Programmers. IEEE Transactions on Software Engineering, 2018, 44, 712-724.	5.6	11
23	An Empirical Study of the Effects of Expert Knowledge on Bug Reports. , 2014, , .		10
24	Detecting Vague Words & Phrases in Requirements Documents in a Multilingual Environment. , 2017, , .		10
25	A Case Study of Automated Feature Location Techniques for Industrial Cost Estimation. , 2016, , .		8
26	Docio: Documenting API Input/Output Examples. , 2017, , .		8
27	An empirical study on how expert knowledge affects bug reports. Journal of Software: Evolution and Process, 2016, 28, 542-564.	1.6	6
28	API Usage in Descriptions of Source Code Functionality. , 2017, , .		5
29	Automatically Extracting Subroutine Summary Descriptions from Unstructured Comments. , 2020, , .		5
30	Pragmatic source code reuse via execution record and replay. Journal of Software: Evolution and Process, 2016, 28, 642-664.	1.6	4
31	TraceLab Components for Generating Extractive Summaries of User Stories. , 2017, , .		3
32	TraceLab Components for Generating Speech Act Types in Developer Question/Answer Conversations. , 2018, , .		1
33	TraceLab Components for Reproducing Source Code Summarization Experiments. , 2016, , .		0