Christopher M Poskitt

List of Publications by Year
in descending order

28	484	1307366 7	1281743 11
papers	citations	h-index	g-index

30	30	30	326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anomaly Detection for a Water Treatment System Using Unsupervised Machine Learning. , 2017, , .		186
2	Learning from Mutants: Using Code Mutation to Learn and Monitor Invariants of a Cyber-Physical System. , 2018, , .		85
3	Learning-Guided Network Fuzzing for Testing Cyber-Physical System Defences. , 2019, , .		35
4	Hoare-Style Verification of Graph Programs. Fundamenta Informaticae, 2012, 118, 135-175.	0.3	33
5	Verifying Monadic Second-Order Properties of Graph Programs. Lecture Notes in Computer Science, 2014, , 33-48.	1.0	16
6	Adversarial attacks and mitigation for anomaly detectors of cyber-physical systems. International Journal of Critical Infrastructure Protection, 2021, 34, 100452.	2.9	15
7	Towards Learning and Verifying Invariants of Cyber-Physical Systems by Code Mutation. Lecture Notes in Computer Science, 2016, , 155-163.	1.0	15
8	Active fuzzing for testing and securing cyber-physical systems. , 2020, , .		15
9	A Hoare Calculus for Graph Programs. Lecture Notes in Computer Science, 2010, , 139-154.	1.0	12
10	Verification of Graph Programs. Lecture Notes in Computer Science, 2012, , 420-422.	1.0	9
11	Deriving invariant checkers for critical infrastructure using axiomatic design principles. Cybersecurity, 2021, 4, .	3.1	8
12	Securing Bring-Your-Own-Device (BYOD) Programming Exams. , 2020, , .		8
13	The AutoProof Verifier: Usability by Non-Experts and on Standard Code. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 187, 42-55.	0.8	8
14	Code integrity attestation for PLCs using black box neural network predictions. , 2021, , .		5
15	Towards Practical Graph-Based Verification for an Object-Oriented Concurrency Model. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 181, 32-47.	0.8	4
16	Contract-based general-purpose GPU programming. , 2015, , .		4
17	A Graph-Based Semantics Workbench for Concurrent Asynchronous Programs. Lecture Notes in Computer Science, 2016, , 31-48.	1.0	3
18	Contract-based general-purpose GPU programming. ACM SIGPLAN Notices, 2016, 51, 75-84.	0.2	3

#	Article	IF	Citations
19	SafeGPU: Contract- and library-based GPGPU for object-oriented languages. Computer Languages, Systems and Structures, 2017, 48, 68-88.	1.4	2
20	A semantics comparison workbench for a concurrent, asynchronous, distributed programming language. Formal Aspects of Computing, 2018, 30, 163-192.	1.4	2
21	Incorrectness Logic for Graph Programs. Lecture Notes in Computer Science, 2021, , 81-101.	1.0	2
22	An Interference-Free Programming Model for Network Objects. Lecture Notes in Computer Science, 2016, , 227-244.	1.0	2
23	Microservices Orchestration vs. Choreography: A Decision Framework. , 2021, , .		2
24	Towards Systematically Deriving Defence Mechanisms from Functional Requirements of Cyber-Physical Systems. , 2020, , .		1
25	Applying Search in an Automatic Contract-Based Testing Tool. Lecture Notes in Computer Science, 2013, , 318-323.	1.0	1
26	Steps Before Syntax: Helping Novice Programmers Solve Problems using the PCDIT Framework. , 0, , .		1
27	Physical Adversarial Attack on a Robotic Arm. IEEE Robotics and Automation Letters, 2022, 7, 9334-9341.	3.3	1
28	XSS for the Masses. , 2022, , .		0