

# Cormac Flanagan

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

4,861  
citations

331259

21  
h-index

395343

33  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended static checking for Java. , 2002, , .		749
2	FastTrack. , 2009, , .		528
3	The essence of compiling with continuations. , 1993, , .		325
4	Type-based race detection for Java. , 2000, , .		300
5	Atomizer. , 2004, , .		280
6	A type and effect system for atomicity. , 2003, , .		223
7	DrScheme: a programming environment for Scheme. Journal of Functional Programming, 2002, 12, .	0.5	214
8	Houdini, an Annotation Assistant for ESC/Java. Lecture Notes in Computer Science, 2001, , 500-517.	1.0	187
9	Types for safe locking. ACM Transactions on Programming Languages and Systems, 2006, 28, 207-255.	1.7	174
10	Predicate abstraction for software verification. , 2002, , .		169
11	Velodrome. , 2008, , .		155
12	Avoiding exponential explosion. , 2001, , .		116
13	Extended static checking for Java. ACM SIGPLAN Notices, 2002, 37, 234-245.	0.2	115
14	FastTrack. ACM SIGPLAN Notices, 2009, 44, 121-133.	0.2	115
15	Dynamic partial-order reduction for model checking software. ACM SIGPLAN Notices, 2005, 40, 110-121.	0.2	110
16	The RoadRunner Dynamic Analysis Framework for Concurrent Programs. , 2010, , .		99
17	Types for atomicity. , 2003, , .		75
18	Detecting race conditions in large programs. , 2001, , .		62

#	ARTICLE	IF	CITATIONS
19	Catching bugs in the web of program invariants. , 1996, , .		60
20	A type and effect system for atomicity. ACM SIGPLAN Notices, 2003, 38, 338-349.	0.2	58
21	Types for Safe Locking. Lecture Notes in Computer Science, 1999, , 91-108.	1.0	55
22	Types for atomicity. ACM Transactions on Programming Languages and Systems, 2008, 30, 1-53.	1.7	54
23	SingleTrack: A Dynamic Determinism Checker for Multithreaded Programs. Lecture Notes in Computer Science, 2009, , 394-409.	1.0	52
24	Atomizer. ACM SIGPLAN Notices, 2004, 39, 256-267.	0.2	44
25	Cartesian Partial-Order Reduction. , 2007, , 95-112.		41
26	Annotation inference for modular checkers. Information Processing Letters, 2001, 77, 97-108.	0.4	39
27	FastTrack. Communications of the ACM, 2010, 53, 93-101.	3.3	37
28	Atomizer: A dynamic atomicity checker for multithreaded programs. Science of Computer Programming, 2008, 71, 89-109.	1.5	36
29	Type-based race detection for Java. ACM SIGPLAN Notices, 2000, 35, 219-232.	0.2	33
30	Type inference for atomicity. , 2005, , .		32
31	Faceted execution of policy-agnostic programs. , 2013, , .		32
32	Verifying Commit-Atomicity Using Model-Checking. Lecture Notes in Computer Science, 2004, , 252-266.	1.0	32
33	Object Types against Races. Lecture Notes in Computer Science, 1999, , 288-303.	1.0	31
34	RedCard: Redundant Check Elimination for Dynamic Race Detectors. Lecture Notes in Computer Science, 2013, , 255-280.	1.0	31
35	Transactions for Software Model Checking. Electronic Notes in Theoretical Computer Science, 2003, 89, 518-539.	0.9	26
36	Type Inference Against Races. Lecture Notes in Computer Science, 2004, , 116-132.	1.0	25

#	ARTICLE	IF	CITATIONS
37	Automatic software model checking via constraint logic. Science of Computer Programming, 2004, 50, 253-270.	1.5	24
38	Velodrome. ACM SIGPLAN Notices, 2008, 43, 293-303.	0.2	23
39	Type inference against races. Science of Computer Programming, 2007, 64, 140-165.	1.5	15
40	Array Shadow State Compression for Precise Dynamic Race Detection (T)., 2015, , .		14
41	Automatic Software Model Checking Using CLP. Lecture Notes in Computer Science, 2003, , 189-203.	1.0	12
42	Catching bugs in the web of program invariants. ACM SIGPLAN Notices, 1996, 31, 23-32.	0.2	9
43	Componential set-based analysis. ACM SIGPLAN Notices, 1997, 32, 235-248.	0.2	9
44	PLDI 2002. ACM SIGPLAN Notices, 2013, 48, 22-33.	0.2	9
45	V <sup>verified</sup> FT., 2018, , .		7
46	Optimising Faceted Secure Multi-Execution., 2019, , .		6
47	Precise, dynamic information flow for database-backed applications. ACM SIGPLAN Notices, 2016, 51, 631-647.	0.2	6
48	BigFoot: static check placement for dynamic race detection. ACM SIGPLAN Notices, 2017, 52, 141-156.	0.2	4
49	V <sup>verified</sup> FT. ACM SIGPLAN Notices, 2018, 53, 354-367.	0.2	3
50	Exploiting purity for atomicity. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2004, 29, 221-231.	0.5	2
51	Cooperative types for controlling thread interference in Java. Science of Computer Programming, 2015, 112, 227-260.	1.5	2
52	Cooperative Concurrency for a Multicore World. Lecture Notes in Computer Science, 2012, , 342-344.	1.0	2
53	pHluid. ACM SIGPLAN Notices, 1996, 31, 169-179.	0.2	0