David Walker

List of Publications by Year
in descending order

38 papers	4,441 citations	516710 16 h-index	610901 24 g-index
41 all docs	41 docs citations	41 times ranked	2318 citing authors

#	Article	IF	Citations
1	Safe, modular packet pipeline programming. , 2022, 6, 1-28.		1
2	Elastic Switch Programming with P4All. , 2020, , .		7
3	HotCocoa. , 2017, , .		17
4	SNAP. , 2016, , .		120
5	Example-directed synthesis: a type-theoretic interpretation. ACM SIGPLAN Notices, 2016, 51, 802-815.	0.2	19
6	HONE: Joint Host-Network Traffic Management in Software-Defined Networks. Journal of Network and Systems Management, 2015, 23, 374-399.	4.9	33
7	P4. Computer Communication Review, 2014, 44, 87-95.	1.8	1,871
8	Abstractions for network update. Computer Communication Review, 2012, 42, 323-334.	1.8	106
9	LearnPADS â€‰+â€‰+â€‰: Incremental Inference of Ad Hoc Data Formats. Lecture Notes in Computer Science, 2012, , 168-182.	1.3	4
10	Forest. ACM SIGPLAN Notices, 2011, 46, 292-306.	0.2	1
11	Frenetic. , 2011, , .		252
12	Frenetic. ACM SIGPLAN Notices, 2011, 46, 279-291.	0.2	298
13	The PADS project. , 2011, , .		35
14	Consistent updates for software-defined networks. , 2011, , .		133
15	Incremental learning of system log formats. Operating Systems Review (ACM), 2010, 44, 85-90.	1.9	19
16	The next 700 data description languages. Journal of the ACM, 2010, 57, 1-51.	2.2	19
17	Frenetic. , 2010, , .		61
18	Specifying Properties of Concurrent Computations in CLF. Electronic Notes in Theoretical Computer Science, 2008, 199, 67-87.	0.9	13

#	Article	IF	Citations
19	From dirt to shovels. , 2008, , .		48
20	From dirt to shovels. ACM SIGPLAN Notices, 2008, 43, 421-434.	0.2	18
21	PADS/ML. , 2007, , .		29
22	A type-theoretic interpretation of pointcuts and advice. Science of Computer Programming, 2006, 63, 240-266.	1.9	18
23	The next 700 data description languages. , 2006, , .		40
24	Composing security policies with polymer. ACM SIGPLAN Notices, 2005, 40, 305-314.	0.2	36
25	Poly AML. ACM SIGPLAN Notices, 2005, 40, 306-319.	0.2	1
26	Edit automata: enforcement mechanisms for run-time security policies. International Journal of Information Security, 2005, 4, 2-16.	3.4	268
27	Composing security policies with polymer. , 2005, , .		86
28	Enforcing Non-safety Security Policies with Program Monitors. Lecture Notes in Computer Science, 2005, , 355-373.	1.3	41
29	PolyAML. , 2005, , .		15
30	A Concurrent Logical Framework: The Propositional Fragment. Lecture Notes in Computer Science, 2004, , 355-377.	1.3	44
31	A theory of aspects. , 2003, , .		67
32	Stack-based typed assembly language. Journal of Functional Programming, 2003, 13, 957-959.	0.8	9
33	Types and Effects for Non-interfering Program Monitors. Lecture Notes in Computer Science, 2003, , 154-171.	1.3	5
34	The logical approach to stack typing. ACM SIGPLAN Notices, 2003, 38, 74-85.	0.2	1
35	Stack-based typed assembly language. Journal of Functional Programming, 2002, 12, .	0.8	43
36	Typed memory management via static capabilities. ACM Transactions on Programming Languages and Systems, 2000, 22, 701-771.	2.1	94

#	Article	IF	Citations
37	A type system for expressive security policies. , 2000, , .		91
38	From system F to typed assembly language. ACM Transactions on Programming Languages and Systems, 1999, 21, 527-568.	2.1	384