

# David Walker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11574995/publications.pdf>

Version: 2024-02-01

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	P4. Computer Communication Review, 2014, 44, 87-95.	1.8	1,871
2	From system F to typed assembly language. ACM Transactions on Programming Languages and Systems, 1999, 21, 527-568.	2.1	384
3	Frenetic. ACM SIGPLAN Notices, 2011, 46, 279-291.	0.2	298
4	Edit automata: enforcement mechanisms for run-time security policies. International Journal of Information Security, 2005, 4, 2-16.	3.4	268
5	Frenetic. , 2011, , .		252
6	Consistent updates for software-defined networks. , 2011, , .		133
7	SNAP. , 2016, , .		120
8	Abstractions for network update. Computer Communication Review, 2012, 42, 323-334.	1.8	106
9	Typed memory management via static capabilities. ACM Transactions on Programming Languages and Systems, 2000, 22, 701-771.	2.1	94
10	A type system for expressive security policies. , 2000, , .		91
11	Composing security policies with polymer. , 2005, , .		86
12	A theory of aspects. , 2003, , .		67
13	Frenetic. , 2010, , .		61
14	From dirt to shovels. , 2008, , .		48
15	A Concurrent Logical Framework: The Propositional Fragment. Lecture Notes in Computer Science, 2004, , 355-377.	1.3	44
16	Stack-based typed assembly language. Journal of Functional Programming, 2002, 12, .	0.8	43
17	Enforcing Non-safety Security Policies with Program Monitors. Lecture Notes in Computer Science, 2005, , 355-373.	1.3	41
18	The next 700 data description languages. , 2006, , .		40

#	ARTICLE	IF	CITATIONS
19	Composing security policies with polymer. ACM SIGPLAN Notices, 2005, 40, 305-314.	0.2	36
20	The PADS project. , 2011, , .		35
21	HONE: Joint Host-Network Traffic Management in Software-Defined Networks. Journal of Network and Systems Management, 2015, 23, 374-399.	4.9	33
22	PADS/ML. , 2007, , .		29
23	Incremental learning of system log formats. Operating Systems Review (ACM), 2010, 44, 85-90.	1.9	19
24	The next 700 data description languages. Journal of the ACM, 2010, 57, 1-51.	2.2	19
25	Example-directed synthesis: a type-theoretic interpretation. ACM SIGPLAN Notices, 2016, 51, 802-815.	0.2	19
26	A type-theoretic interpretation of pointcuts and advice. Science of Computer Programming, 2006, 63, 240-266.	1.9	18
27	From dirt to shovels. ACM SIGPLAN Notices, 2008, 43, 421-434.	0.2	18
28	HotCocoa. , 2017, , .		17
29	PolyAML. , 2005, , .		15
30	Specifying Properties of Concurrent Computations in CLF. Electronic Notes in Theoretical Computer Science, 2008, 199, 67-87.	0.9	13
31	Stack-based typed assembly language. Journal of Functional Programming, 2003, 13, 957-959.	0.8	9
32	Elastic Switch Programming with P4All. , 2020, , .		7
33	Types and Effects for Non-interfering Program Monitors. Lecture Notes in Computer Science, 2003, , 154-171.	1.3	5
34	LearnPADS $\hat{\epsilon}$ : Incremental Inference of Ad Hoc Data Formats. Lecture Notes in Computer Science, 2012, , 168-182.	1.3	4
35	Poly AML. ACM SIGPLAN Notices, 2005, 40, 306-319.	0.2	1
36	Forest. ACM SIGPLAN Notices, 2011, 46, 292-306.	0.2	1

#	ARTICLE	IF	CITATIONS
37	The logical approach to stack typing. ACM SIGPLAN Notices, 2003, 38, 74-85.	0.2	1
38	Safe, modular packet pipeline programming. , 2022, 6, 1-28.		1