

Dominique Devriese

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

823
citations

1307594

7
h-index

1199594

12
g-index

67
all docs

67
docs citations

67
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninterference through Secure Multi-execution. , 2010, , .		167
2	FlowFox. , 2012, , .		84
3	Reactive non-interference for a browser model. , 2011, , .		35
4	On the bright side of type classes. , 2011, , .		33
5	Stateful Declassification Policies for Event-Driven Programs. , 2014, , .		29
6	StkTokens: enforcing well-bracketed control flow and stack encapsulation using linear capabilities. , 2019, 3, 1-28.		26
7	Fully-abstract compilation by approximate back-translation. , 2016, , .		26
8	Information flow enforcement in monadic libraries. , 2011, , .		23
9	Multi-Tier Functional Reactive Programming for the Web. , 2014, , .		23
10	Reasoning about Object Capabilities with Logical Relations and Effect Parametricity. , 2016, , .		22
11	On the bright side of type classes. ACM SIGPLAN Notices, 2011, 46, 143-155.	0.2	19
12	Monadic abstract interpreters. , 2013, , .		19
13	Secure Multi-Execution through Static Program Transformation. Lecture Notes in Computer Science, 2012, , 186-202.	1.3	18
14	Parametric quantifiers for dependent type theory. , 2017, 1, 1-29.		17
15	Overlapping and Order-Independent Patterns. Lecture Notes in Computer Science, 2014, , 87-106.	1.3	16
16	Pattern matching without K. , 2014, , .		15
17	Efficient and provable local capability revocation using uninitialized capabilities. , 2021, 5, 1-30.		14
18	Secure multi-execution of web scripts: Theory and practice. Journal of Computer Security, 2014, 22, 469-509.	0.8	13

#	ARTICLE	IF	CITATIONS
19	Parametricity versus the universal type. , 2018, 2, 1-23.		12
20	Reasoning About a Machine with Local Capabilities. Lecture Notes in Computer Science, 2018, , 475-501.	1.3	12
21	On Modular and Fully-Abstract Compilation. , 2016, , .		11
22	Finally tagless observable recursion for an abstract grammar model. Journal of Functional Programming, 2012, 22, 757-796.	0.8	10
23	Linear capabilities for fully abstract compilation of separation-logic-verified code. , 2019, 3, 1-29.		10
24	Degrees of Relatedness. , 2018, , .		9
25	Typed syntactic meta-programming. , 2013, , .		8
26	FRP IoT modules as a Scala DSL. , 2017, , .		8
27	Fully abstract from static to gradual. , 2021, 5, 1-30.		8
28	Unifiers as equivalences: proof-relevant unification of dependently typed data. , 2016, , .		8
29	Proof-relevant unification: Dependent pattern matching with only the axioms of your type theory. Journal of Functional Programming, 2018, 28, .	0.8	7
30	CapablePtrs: Securely Compiling Partial Programs Using the Pointers-as-Capabilities Principle. , 2021, , .		7
31	Reasoning about a Machine with Local Capabilities. ACM Transactions on Programming Languages and Systems, 2020, 42, 1-53.	2.1	7
32	Coherent explicit dictionary application for Haskell. , 2018, , .		6
33	Monadic abstract interpreters. ACM SIGPLAN Notices, 2013, 48, 399-410.	0.2	6
34	Pattern matching without K. ACM SIGPLAN Notices, 2014, 49, 257-268.	0.2	6
35	Gavial: Programming the web with multi-tier FRP. The Art Science and Engineering of Programming, 2020, 4, .	0.5	6
36	Fixing idioms. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
37	Eliminating dependent pattern matching without K. Journal of Functional Programming, 2016, 26, .	0.8	5
38	Temporal Safety for Stack Allocated Memory on Capability Machines. , 2019, , .		5
39	On the semantic expressiveness of recursive types. , 2021, 5, 1-29.		5
40	Explicitly Recursive Grammar Combinators. Lecture Notes in Computer Science, 2011, , 84-98.	1.3	5
41	Purity of an ST monad: full abstraction by semantically typed back-translation. , 2022, 6, 1-27.		5
42	PESAP: A Privacy Enhanced Social Application Platform. , 2012, , .		4
43	Lifting proof-relevant unification to higher dimensions. , 2017, , .		4
44	Experience Report. , 2017, , .		4
45	Scalagna 0.1: towards multi-tier programming with Scala and Scala.js. , 2018, , .		4
46	Linear capabilities for fully abstract compilation of separation-logic-verified code. Journal of Functional Programming, 2021, 31, .	0.8	4
47	Partial Type Signatures for Haskell. Lecture Notes in Computer Science, 2014, , 17-32.	1.3	4
48	Typed syntactic meta-programming. ACM SIGPLAN Notices, 2013, 48, 73-86.	0.2	3
49	Security Guarantees for the Execution Infrastructure of Software Applications. , 2016, , .		3
50	Modular effects in Haskell through effect polymorphism and explicit dictionary applications: a new approach and the $\hat{1}/4$ VeriFast verifier as a case study. , 2019, , .		3
51	StkTokens<i>: Enforcing well-bracketed control flow and stack encapsulation using linear capabilities</i>. Journal of Functional Programming, 2021, 31, .	0.8	3
52	Fully-abstract compilation by approximate back-translation. ACM SIGPLAN Notices, 2016, 51, 164-177.	0.2	3
53	Efficient Functional Reactive Programming Through Incremental Behaviors. Lecture Notes in Computer Science, 2017, , 321-338.	1.3	2
54	A Categorical Approach to Secure Compilation. Lecture Notes in Computer Science, 2020, , 155-179.	1.3	2

#	ARTICLE	IF	CITATIONS
55	Plausible sealing for gradual parametricity. , 2022, 6, 1-28.		2
56	Expressive and strongly type-safe code generation. , 2017, , .		1
57	Leibniz equality is isomorphic to Martin-L�f identity, parametrically. Journal of Functional Programming, 2020, 30, .	0.8	1
58	Generating safe boundary APIs between typed EDSLs and their environments. , 2015, , .		0
59	Elmsvuur: A Multi-tier Version of Elm and its Time-Traveling Debugger. Lecture Notes in Computer Science, 2018, , 79-97.	1.3	0
60	How to do proofs: practically proving properties about effectful programs' results (functional) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542		
61	Information Flow Control for Web Scripts. Lecture Notes in Computer Science, 2014, , 124-145.	1.3	0
62	Generating safe boundary APIs between typed EDSLs and their environments. ACM SIGPLAN Notices, 2016, 51, 31-34.	0.2	0
63	Coherent explicit dictionary application for Haskell. ACM SIGPLAN Notices, 2018, 53, 81-93.	0.2	0
64	Borrowed Capabilities: Flexibly Enforcing Revocation on a Capability Architecture. , 2021, , .		0
65	Security and Privacy of Online Social Network Applications. , 0, , 206-221.		0