Amal Ahmed

List of Publications by Year
in descending order

41 papers	1,178 citations	933447 10 h-index	752698 20 g-index
42 all docs	42 docs citations	42 times ranked	268 citing authors

#	Article	IF	Citations
1	Semantic soundness for language interoperability. , 2022, , .		6
2	The next 700 compiler correctness theorems (functional pearl). , 2019, 3, 1-29.		18
3	Gradual type theory. , 2019, 3, 1-31.		15
4	Formal Approaches to Secure Compilation. ACM Computing Surveys, 2019, 51, 1-36.	23.0	36
5	Under Control. , 2019, , .		4
6	Type-preserving CPS translation of Σ and Π types is not not possible. , 2018, 2, 1-33.		11
7	Typed closure conversion for the calculus of constructions. , 2018, , .		4
8	Typed closure conversion for the calculus of constructions. ACM SIGPLAN Notices, 2018, 53, 797-811.	0.2	2
9	Fab ous Interoperability for ML and a Linear Language. Lecture Notes in Computer Science, 2018, , 146-162.	1.3	6
10	Theorems for free for free: parametricity, with and without types. , 2017, 1, 1-28.		28
11	FunTAL: reasonably mixing a functional language with assembly. , 2017, , .		21
12	FunTAL: reasonably mixing a functional language with assembly. ACM SIGPLAN Notices, 2017, 52, 495-509.	0.2	3
13	Fully abstract compilation via universal embedding. , 2016, , .		34
14	Fully abstract compilation via universal embedding. ACM SIGPLAN Notices, 2016, 51, 103-116.	0.2	3
15	Noninterference for free. , 2015, , .		33
16	Noninterference for free. ACM SIGPLAN Notices, 2015, 50, 101-113.	0.2	10
17	Database Queries that Explain their Work. , 2014, , .		11
18	Verifying an Open Compiler Using Multi-language Semantics. Lecture Notes in Computer Science, 2014, , 128-148.	1.3	39

#	Article	IF	Citations
19	Logical relations for fine-grained concurrency. , 2013, , .		51
20	A core calculus for provenance. Journal of Computer Security, 2013, 21, 919-969.	0.8	10
21	Logical relations for fine-grained concurrency. ACM SIGPLAN Notices, 2013, 48, 343-356.	0.2	9
22	A Core Calculus for Provenance. Lecture Notes in Computer Science, 2012, , 410-429.	1.3	14
23	Blame for all. ACM SIGPLAN Notices, 2011, 46, 201-214.	0.2	15
24	An equivalence-preserving CPS translation via multi-language semantics. ACM SIGPLAN Notices, 2011, 46, 431-444.	0.2	12
25	Blame for all. , 2011, , .		71
26	Provenance as dependency analysis. Mathematical Structures in Computer Science, 2011, 21, 1301-1337.	0.6	37
27	An equivalence-preserving CPS translation via multi-language semantics. , 2011, , .		45
28	Semantic foundations for typed assembly languages. ACM Transactions on Programming Languages and Systems, 2010, 32, 1-67.	2.1	29
29	State-dependent representation independence. , 2009, , .		93
30	Logical Step-Indexed Logical Relations. , 2009, , .		45
31	State-dependent representation independence. ACM SIGPLAN Notices, 2009, 44, 340-353.	0.2	40
32	Blame for all. , 2009, , .		18
33	Imperative self-adjusting computation. ACM SIGPLAN Notices, 2008, 43, 309-322.	0.2	10
34	Typed closure conversion preserves observational equivalence. , 2008, , .		43
35	Imperative self-adjusting computation. , 2008, , .		59
36	Parametric Polymorphism through Run-Time Sealing or, Theorems for Low, Low Prices!. , 2008, , 16-31.		25

#	Article	IF	Citations
37	Linear Regions Are All You Need. Lecture Notes in Computer Science, 2006, , 7-21.	1.3	32
38	A step-indexed model of substructural state. ACM SIGPLAN Notices, 2005, 40, 78-91.	0.2	3
39	L3: A Linear Language with Locations. Lecture Notes in Computer Science, 2005, , 293-307.	1.3	36
40	A step-indexed model of substructural state. , 2005, , .		28
41	Logical Step-Indexed Logical Relations. Logical Methods in Computer Science, 0, Volume 7, Issue 2, .	0.4	33