Martin Odersky

List of Publications by Year
in descending order

31	1,622	759233 12	794594 19
papers	citations	h-index	g-index

31	31	31	595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pizza into Java. , 1997, , .		261
2	Lightweight modular staging. , 2010, , .		188
3	Delite. Transactions on Embedded Computing Systems, 2014, 13, 1-25.	2.9	134
4	Scalable component abstractions. , 2005, , .		129
5	Lightweight modular staging. Communications of the ACM, 2012, 55, 121-130.	4.5	103
6	The call-by-need lambda calculus. Journal of Functional Programming, 1998, 8, 275-317.	0.8	84
7	Type inference with constrained types. Theory and Practice of Object Systems, 1999, 5, 35-55.	0.7	80
8	A Nominal Theory of Objects with Dependent Types. Lecture Notes in Computer Science, 2003, , 201-224.	1.3	80
9	Type inference with constrained types. , 0, .		74
10	Optimizing data structures in high-level programs. , 2013, , .		73
11	Implementing Domain-Specific Languages for Heterogeneous Parallel Computing. IEEE Micro, 2011, 31, 42-53.	1.8	65
12	Making the future safe for the past. ACM SIGPLAN Notices, 1998, 33, 183-200.	0.2	39
13	Scala-Virtualized: linguistic reuse for deep embeddings. Higher-Order and Symbolic Computation, 2012, 25, 165-207.	0.3	38
14	Spiral in scala. , 2013, , .		34
15	A Core Calculus for Scala Type Checking. Lecture Notes in Computer Science, 2006, , 1-23.	1.3	33
16	Unifying functional and object-oriented programming with Scala. Communications of the ACM, 2014, 57, 76-86.	4.5	31
17	Yin-yang: concealing the deep embedding of DSLs. , 2014, , .		28
18	Forge. , 2013, , .		27

#	Article	IF	Citations
19	Call-by-name, Call-by-value, Call-by-need, and the Linear Lambda Calculus. Electronic Notes in Theoretical Computer Science, 1995, 1, 370-392.	0.9	23
20	Scalable component abstractions. ACM SIGPLAN Notices, 2005, 40, 41-57.	0.2	21
21	Miniboxing. , 2013, , .		18
22	Making domain-specific hardware synthesis tools cost-efficient. , 2013, , .		13
23	Foundations of path-dependent types. ACM SIGPLAN Notices, 2014, 49, 233-249.	0.2	12
24	Optimizing data structures in high-level programs. ACM SIGPLAN Notices, 2013, 48, 497-510.	0.2	8
25	Language virtualization for heterogeneous parallel computing. ACM SIGPLAN Notices, 2010, 45, 835-847.	0.2	7
26	Spiral in scala. ACM SIGPLAN Notices, 2014, 49, 125-134.	0.2	7
27	Forge. ACM SIGPLAN Notices, 2014, 49, 145-154.	0.2	6
28	Miniboxing. ACM SIGPLAN Notices, 2013, 48, 73-92.	0.2	3
29	Staged parser combinators for efficient data processing. ACM SIGPLAN Notices, 2014, 49, 637-653.	0.2	3
30	Virtual ADTs for portable metaprogramming. , 2021, , .		0
31	Yin-yang: concealing the deep embedding of DSLs. ACM SIGPLAN Notices, 2015, 50, 73-82.	0.2	0