Laurence Tratt

List of Publications by Year
in descending order

32 papers	**948** citations	759233 **12** h-index	713466 **21** g-index
33 all docs	**33** docs citations	**33** times ranked	**608** citing authors

#	Article	IF	Citations
1	Pareto optimal search based refactoring at the design level. , 2007, , .		155
2	Evaluating and comparing language workbenches. Computer Languages, Systems and Structures, 2015, 44, 24-47.	1.4	122
3	Domain specific language implementation via compile-time meta-programming. ACM Transactions on Programming Languages and Systems, 2008, 30, 1-40.	2.1	72
4	Experimental assessment of software metrics using automated refactoring. , 2012, , .		69
5	Model transformations and tool integration. Software and Systems Modeling, 2005, 4, 112-122.	2.7	64
6	Virtual machine warmup blows hot and cold. , 2017, 1, 1-27.		61
7	Chapter 5 Dynamically Typed Languages. Advances in Computers, 2009, , 149-184.	1.6	39
8	Control Dependence for Extended Finite State Machines. Lecture Notes in Computer Science, 2009, , 216-230.	1.3	36
9	Storage strategies for collections in dynamically typed languages. , 2013, , .		34
10	State-based model slicing. ACM Computing Surveys, 2013, 45, 1-36.	23.0	33
11	A theoretical and empirical study of EFSM dependence. , 2009, , .		26
12	Compile-time meta-programming in a dynamically typed OO language. , 2005, , .		24
13	Amorphous Slicing of Extended Finite State Machines. IEEE Transactions on Software Engineering, 2013, 39, 892-909.	5.6	20
14	The impact of meta-tracing on VM design and implementation. Science of Computer Programming, 2015, 98, 408-421.	1.9	19
15	Guest Editors' Introduction: Dynamically Typed Languages. IEEE Software, 2007, 24, 28-30.	1.8	18
16	Eco: A Language Composition Editor. Lecture Notes in Computer Science, 2014, , 82-101.	1.3	17
17	An experimental search-based approach to cohesion metric evaluation. Empirical Software Engineering, 2017, 22, 292-329.	3.9	15
18	Approaches to interpreter composition. Computer Languages, Systems and Structures, 2015, 44, 199-217.	1.4	14

#	Article	IF	Citations
19	The MT model transformation language. , 2006, , .		13
20	Unipycation. , 2013, , .		11
21	Comparative Study of DSL Tools. Electronic Notes in Theoretical Computer Science, 2011, 264, 103-121.	0.9	10
22	Detecting Ambiguity in Programming Language Grammars. Lecture Notes in Computer Science, 2013, , 157-176.	1.3	9
23	Storage strategies for collections in dynamically typed languages. ACM SIGPLAN Notices, 2013, 48, 167-182.	0.2	9
24	Model transformations in MT. Science of Computer Programming, 2007, 68, 196-213.	1.9	5
25	Program Logics for Homogeneous Meta-programming. Lecture Notes in Computer Science, 2010, , 64-81.	1.3	5
26	Program Logics for Homogeneous Generative Run-Time Meta-Programming. Logical Methods in Computer Science, 2015, 11, .	0.4	5
27	Formalizing Homogeneous Language Embeddings. Electronic Notes in Theoretical Computer Science, 2010, 253, 75-88.	0.9	4
28	Language factories. , 2009, , .		3
29	Evolving a DSL Implementation. Lecture Notes in Computer Science, 2008, , 425-441.	1.3	2
30	Experiences with an icon-like expression evaluation system. , 2010, , .		1
31	Default disambiguation for online parsers. , 2019, , .		1
32	Experiences with an icon-like expression evaluation system. ACM SIGPLAN Notices, 2010, 45, 73-80.	0.2	0