

Áric Tanter

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

1,647
citations

471509

17
h-index

526287

27
g-index

107
all docs

107
docs citations

107
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	ECOCAM, UN SISTEMA COMPUTACIONAL ADAPTABLE AL CONTEXTO PARA PROMOVER ESTRATEGIAS DE CÁLCULO MENTAL: CARACTERÍSTICAS DE SU DISEÑO Y RESULTADOS PRELIMINARES. Revista Latinoamericana De Investigacion En Matematica Educativa, 2023, 17, 33-58.	0.1	2
2	Gradualizing the Calculus of Inductive Constructions. ACM Transactions on Programming Languages and Systems, 2022, 44, 1-82.	2.1	8
3	Plausible sealing for gradual parametricity. , 2022, 6, 1-28.		2
4	The Marriage of Univalence and Parametricity. Journal of the ACM, 2021, 68, 1-44.	2.2	6
5	Gradually structured data. , 2021, 5, 1-29.		2
6	Abstracting gradual references. Science of Computer Programming, 2020, 197, 102496.	1.9	11
7	Review of "The Little Prover" by Daniel P. Friedman and Carl Eastlund, MIT Press, 2015. Journal of Functional Programming, 2020, 30, .	0.8	0
8	Gradual verification of recursive heap data structures. , 2020, 4, 1-28.		7
9	Chemical foundations of distributed aspects. Distributed Computing, 2019, 32, 193-216.	0.8	0
10	A reasonably exceptional type theory. , 2019, 3, 1-29.		5
11	Approximate normalization for gradual dependent types. , 2019, 3, 1-30.		14
12	Gradual parametricity, revisited. , 2019, 3, 1-30.		14
13	Gradual Program Verification. Lecture Notes in Computer Science, 2018, , 25-46.	1.3	12
14	Foundations of dependent interoperability. Journal of Functional Programming, 2018, 28, .	0.8	14
15	Gradual liquid type inference. , 2018, 2, 1-25.		6
16	Type-Driven Gradual Security with References. ACM Transactions on Programming Languages and Systems, 2018, 40, 1-55.	2.1	29
17	Gradual refinement types. , 2017, , .		29
18	Gradual refinement types. ACM SIGPLAN Notices, 2017, 52, 775-788.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Gradual type-and-effect systems. <i>Journal of Functional Programming</i> , 2016, 26, .	0.8	13
20	Partial type equivalences for verified dependent interoperability. , 2016, , .		4
21	Polymorphic bytecode instrumentation. <i>Software - Practice and Experience</i> , 2016, 46, 1351-1380.	3.6	3
22	Effect capabilities for Haskell: Taming effect interference in monadic programming. <i>Science of Computer Programming</i> , 2016, 119, 3-30.	1.9	3
23	Abstracting gradual typing. , 2016, , .		74
24	Abstracting gradual typing. <i>ACM SIGPLAN Notices</i> , 2016, 51, 429-442.	0.2	10
25	Gradual certified programming in coq. <i>ACM SIGPLAN Notices</i> , 2016, 51, 26-40.	0.2	2
26	Partial type equivalences for verified dependent interoperability. <i>ACM SIGPLAN Notices</i> , 2016, 51, 298-310.	0.2	3
27	An expressive stateful aspect language. <i>Science of Computer Programming</i> , 2015, 102, 108-141.	1.9	9
28	A Taxonomy of Domain-Specific Aspect Languages. <i>ACM Computing Surveys</i> , 2015, 47, 1-44.	23.0	14
29	Computational contracts. <i>Science of Computer Programming</i> , 2015, 98, 360-375.	1.9	11
30	Object-oriented software extensions in practice. <i>Empirical Software Engineering</i> , 2015, 20, 745-782.	3.9	4
31	Customizable gradual polymorphic effects for Scala. , 2015, , .		8
32	Gradual certified programming in coq. , 2015, , .		14
33	On the use of type predicates in object-oriented software. <i>ACM SIGPLAN Notices</i> , 2015, 50, 135-146.	0.2	0
34	Customizable gradual polymorphic effects for Scala. <i>ACM SIGPLAN Notices</i> , 2015, 50, 935-953.	0.2	0
35	A theory of gradual effect systems. , 2014, , .		35
36	Join point interfaces for safe and flexible decoupling of aspects. <i>ACM Transactions on Software Engineering and Methodology</i> , 2014, 23, 1-41.	6.0	29

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37	On the use of type predicates in object-oriented software. , 2014, , .		3
38	Compositional reasoning about aspect interference. , 2014, , .		2
39	Confined gradual typing. , 2014, , .		13
40	Confined gradual typing. ACM SIGPLAN Notices, 2014, 49, 251-270.	0.2	4
41	Foundations of Typestate-Oriented Programming. ACM Transactions on Programming Languages and Systems, 2014, 36, 1-44.	2.1	58
42	An empirical study on the impact of static typing on software maintainability. Empirical Software Engineering, 2014, 19, 1335-1382.	3.9	57
43	Cast insertion strategies for gradually-typed objects. ACM SIGPLAN Notices, 2014, 49, 27-36.	0.2	1
44	Gradual typing for Smalltalk. Science of Computer Programming, 2014, 96, 52-69.	1.9	27
45	Parallel actor monitors: Disentangling task-level parallelism from data partitioning in the actor model. Science of Computer Programming, 2014, 80, 52-64.	1.9	19
46	Execution levels for aspect-oriented programming: Design, semantics, implementations and applications. Science of Computer Programming, 2014, 80, 311-342.	1.9	15
47	Effective Aspects: A Typed Monadic Embedding of Pointcuts and Advice. Lecture Notes in Computer Science, 2014, , 145-192.	1.3	1
48	A theory of gradual effect systems. ACM SIGPLAN Notices, 2014, 49, 283-295.	0.2	5
49	How (and why) developers use the dynamic features of programming languages: the case of smalltalk. Empirical Software Engineering, 2013, 18, 1156-1194.	3.9	30
50	Secure and modular access control with aspects. , 2013, , .		8
51	Programming with Ghosts. IEEE Software, 2013, 30, 74-80.	1.8	5
52	Modular and flexible causality control on the Web. Science of Computer Programming, 2013, 78, 1538-1558.	1.9	7
53	A typed monadic embedding of aspects. , 2013, , .		7
54	Cast insertion strategies for gradually-typed objects. , 2013, , .		19

#	ARTICLE	IF	CITATIONS
55	Taming aspects. , 2013, , .		0
56	An empirical study of the influence of static type systems on the usability of undocumented software. ACM SIGPLAN Notices, 2012, 47, 683-702.	0.2	19
57	An empirical study of the influence of static type systems on the usability of undocumented software. , 2012, , .		42
58	Do static type systems improve the maintainability of software systems? An empirical study. , 2012, , .		49
59	Aspectizing Java Access Control. IEEE Transactions on Software Engineering, 2012, 38, 101-117.	5.6	16
60	Composition of dynamic analysis aspects. ACM SIGPLAN Notices, 2011, 46, 113-122.	0.2	0
61	First-class state change in plaid. ACM SIGPLAN Notices, 2011, 46, 713-732.	0.2	10
62	Access Control in JavaScript. IEEE Software, 2011, 28, 76-84.	1.8	7
63	Ambient contracts: verifying and enforcing ambient object compositions À la carte. Personal and Ubiquitous Computing, 2011, 15, 341-351.	2.8	2
64	Join point interfaces for modular reasoning in aspect-oriented programs. , 2011, , .		18
65	First-class state change in plaid. , 2011, , .		43
66	Polymorphic bytecode instrumentation. , 2011, , .		24
67	Gradual Typestate. Lecture Notes in Computer Science, 2011, , 459-483.	1.3	26
68	Summarized Trace Indexing and Querying for Scalable Back-in-Time Debugging. Lecture Notes in Computer Science, 2011, , 558-582.	1.3	8
69	Scoping strategies for distributed aspects. Science of Computer Programming, 2010, 75, 1235-1261.	1.9	4
70	Modular composition and state update in Plaid. , 2010, , .		2
71	Execution levels for aspect-oriented programming. , 2010, , .		36
72	Composition of dynamic analysis aspects. , 2010, , .		11

#	ARTICLE	IF	CITATIONS
73	AspectScript. , 2010, , .		38
74	Mirrorâ€based reflection in AmbientTalk. Software - Practice and Experience, 2009, 39, 661-699.	3.6	0
75	Expressive scoping of distributed aspects. , 2009, , .		18
76	Infrastructure for domain-specific aspect languages: the ReLax case study. IET Software, 2009, 3, 238.	2.1	1
77	Back to the Future: Omniscient Debugging. IEEE Software, 2009, 26, 78-85.	1.8	56
78	How should context-escaping closures proceed?. , 2009, , .		10
79	Beyond static and dynamic scope. ACM SIGPLAN Notices, 2009, 44, 3-14.	0.2	13
80	KALA: Kernel aspect language for advanced transactions. Science of Computer Programming, 2008, 71, 165-180.	1.9	6
81	Parallel object monitors. Concurrency Computation Practice and Experience, 2008, 20, 1387-1417.	2.2	4
82	Flexible metaprogramming and AOP in Java. Science of Computer Programming, 2008, 72, 22-30.	1.9	8
83	Unanticipated partial behavioral reflection: Adapting applications at runtime. Computer Languages, Systems and Structures, 2008, 34, 46-65.	1.4	21
84	Extending omniscient debugging to support aspect-oriented programming. , 2008, , .		13
85	Expressive scoping of dynamically-deployed aspects. , 2008, , .		38
86	Summary of the third workshop on Domain-Specific Aspect Languages. , 2008, , .		3
87	ReLax. , 2007, , .		5
88	Scalable omniscient debugging. ACM SIGPLAN Notices, 2007, 42, 535-552.	0.2	31
89	Unanticipated Partial Behavioral Reflection. Lecture Notes in Computer Science, 2007, , 47-65.	1.3	4
90	On dynamically-scoped crosscutting mechanisms. ACM SIGPLAN Notices, 2007, 42, 27-33.	0.2	5

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91	Scalable omniscient debugging. , 2007, , .		64
92	Programming Paradigms and Mind Metaphors: Convergence and Cross-fertilization in the Study of Cognition. Biological Research, 2007, 40, .	3.4	1
93	Programming paradigms and mind metaphors: convergence and cross-fertilization in the study of cognition. Biological Research, 2007, 40, 503-15.	3.4	1
94	Runtime bytecode transformation for Smalltalk. Computer Languages, Systems and Structures, 2006, 32, 125-139.	1.4	26
95	Declarative, formal, and extensible syntax definition for aspectJ. ACM SIGPLAN Notices, 2006, 41, 209-228.	0.2	3
96	Context-Aware Aspects. Lecture Notes in Computer Science, 2006, , 227-242.	1.3	50
97	Aspects of Composition in the Reflex AOP Kernel. Lecture Notes in Computer Science, 2006, , 98-113.	1.3	26
98	A Versatile Kernel for Distributed AOP. Lecture Notes in Computer Science, 2006, , 316-331.	1.3	21
99	A Versatile Kernel for Multi-language AOP. Lecture Notes in Computer Science, 2005, , 173-188.	1.3	45
100	Sequential Object Monitors. Lecture Notes in Computer Science, 2004, , 317-341.	1.3	8
101	Partial behavioral reflection. , 2003, , .		56
102	Partial behavioral reflection. ACM SIGPLAN Notices, 2003, 38, 27-46.	0.2	28
103	Altering Java Semantics via Bytecode Manipulation. Lecture Notes in Computer Science, 2002, , 283-298.	1.3	23
104	Reflex " Towards an Open Reflective Extension of Java. Lecture Notes in Computer Science, 2001, , 25-43.	1.3	14