

Salvador Lucas

List of Publications by Year in descending order

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101
papers

1,082
citations

516215

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111
all docs

111
docs citations

111
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Proving and disproving confluence of context-sensitive rewriting. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2022, 126, 100749.	0.4	1
2	The origins of the halting problem. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2021, 121, 100687.	0.4	5
3	Applications and extensions of context-sensitive rewriting. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2021, 121, 100680.	0.4	4
4	Derivational Complexity and Context-Sensitive Rewriting. <i>Journal of Automated Reasoning</i> , 2021, 65, 1191.	1.1	1
5	Context-sensitive Rewriting. <i>ACM Computing Surveys</i> , 2021, 53, 1-36.	16.1	9
6	Using Well-Founded Relations for Proving Operational Termination. <i>Journal of Automated Reasoning</i> , 2020, 64, 167-195.	1.1	4
7	The 2D Dependency Pair Framework for Conditional Rewrite Systems – Part II: Advanced Processors and Implementation Techniques. <i>Journal of Automated Reasoning</i> , 2020, 64, 1611-1662.	1.1	4
8	μ -term: Verify Termination Properties Automatically (System Description). <i>Lecture Notes in Computer Science</i> , 2020, , 436-447.	1.0	5
9	Automatically Proving and Disproving Feasibility Conditions. <i>Lecture Notes in Computer Science</i> , 2020, , 416-435.	1.0	5
10	Proving semantic properties as first-order satisfiability. <i>Artificial Intelligence</i> , 2019, 277, 103174.	3.9	7
11	Automatic Generation of Logical Models with AGES. <i>Lecture Notes in Computer Science</i> , 2019, , 287-299.	1.0	3
12	Proving Program Properties as First-Order Satisfiability. <i>Lecture Notes in Computer Science</i> , 2019, , 3-21.	1.0	1
13	Automatic Synthesis of Logical Models for Order-Sorted First-Order Theories. <i>Journal of Automated Reasoning</i> , 2018, 60, 465-501.	1.1	14
14	Use of logical models for proving infeasibility in term rewriting. <i>Information Processing Letters</i> , 2018, 136, 90-95.	0.4	14
15	The 2D Dependency Pair Framework for conditional rewrite systems. Part I: Definition and basic processors. <i>Journal of Computer and System Sciences</i> , 2018, 96, 74-106.	0.9	8
16	Analysis of Rewriting-Based Systems as First-Order Theories. <i>Lecture Notes in Computer Science</i> , 2018, , 180-197.	1.0	3
17	Dependency pairs for proving termination properties of conditional term rewriting systems. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2017, 86, 236-268.	0.4	12
18	Normal forms and normal theories in conditional rewriting. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2016, 85, 67-97.	0.4	25

#	ARTICLE	IF	CITATIONS
19	Use of Logical Models for Proving Operational Termination in General Logics. Lecture Notes in Computer Science, 2016, , 26-46.	1.0	1
20	Completeness of context-sensitive rewriting. Information Processing Letters, 2015, 115, 87-92.	0.4	2
21	Extending the 2D Dependency Pair Framework for Conditional Term Rewriting Systems. Lecture Notes in Computer Science, 2015, , 113-130.	1.0	2
22	Localized Operational Termination in General Logics. Lecture Notes in Computer Science, 2015, , 91-114.	1.0	4
23	Function Calls at Frozen Positions in Termination of Context-Sensitive Rewriting. Lecture Notes in Computer Science, 2015, , 311-330.	1.0	3
24	Proving Operational Termination of Declarative Programs in General Logics. , 2014, , .		6
25	Models for Logics and Conditional Constraints in Automated Proofs of Termination. Lecture Notes in Computer Science, 2014, , 9-20.	1.0	4
26	Using Representation Theorems for Proving Polynomials Non-negative. Lecture Notes in Computer Science, 2014, , 21-33.	1.0	0
27	SAT Modulo Linear Arithmetic for Solving Polynomial Constraints. Journal of Automated Reasoning, 2012, 48, 107-131.	1.1	32
28	Proving Termination Properties with mu-term. Lecture Notes in Computer Science, 2011, , 201-208.	1.0	22
29	Context-sensitive dependency pairs. Information and Computation, 2010, 208, 922-968.	0.5	13
30	On-demand strategy annotations revisited: An improved on-demand evaluation strategy. Theoretical Computer Science, 2010, 411, 504-541.	0.5	3
31	Proving Termination in the Context-Sensitive Dependency Pair Framework. Lecture Notes in Computer Science, 2010, , 18-34.	1.0	9
32	A Dependency Pair Framework for Aâ€™%ã~â€™%C-Termination. Lecture Notes in Computer Science, 2010, , 35-51.1.0		8
33	From Matrix Interpretations over the Rationals to Matrix Interpretations over the Naturals. Lecture Notes in Computer Science, 2010, , 116-131.	1.0	1
34	Operational Termination of Membership Equational Programs: the Order-Sorted Way. Electronic Notes in Theoretical Computer Science, 2009, 238, 207-225.	0.9	14
35	Web Services and Interoperability for the Maude Termination Tool. Electronic Notes in Theoretical Computer Science, 2009, 248, 83-92.	0.9	0
36	Methods for Proving Termination of Rewriting-based Programming Languages by Transformation. Electronic Notes in Theoretical Computer Science, 2009, 248, 93-113.	0.9	10

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37	Using Context-Sensitive Rewriting for Proving Innermost Termination of Rewriting. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 248, 3-17.	0.9	3
38	Automatic Proofs of Termination With Elementary Interpretations. <i>Electronic Notes in Theoretical Computer Science</i> , 2009, 258, 41-61.	0.9	1
39	Solving Non-linear Polynomial Arithmetic via SAT Modulo Linear Arithmetic. <i>Lecture Notes in Computer Science</i> , 2009, , 294-305.	1.0	18
40	Termination Modulo Combinations of Equational Theories. <i>Lecture Notes in Computer Science</i> , 2009, , 246-262.	1.0	24
41	Comparing CSP and SAT Solvers for Polynomial Constraints in Termination Provers. <i>Electronic Notes in Theoretical Computer Science</i> , 2008, 206, 75-90.	0.9	1
42	Formal Verification of Websites. <i>Electronic Notes in Theoretical Computer Science</i> , 2008, 200, 103-118.	0.9	9
43	Proving operational termination of membership equational programs. <i>Higher-Order and Symbolic Computation</i> , 2008, 21, 59-88.	0.3	50
44	Termination of just/fair computations in term rewriting. <i>Information and Computation</i> , 2008, 206, 652-675.	0.5	2
45	Order-sorted dependency pairs. , 2008, , .		8
46	MTT: The Maude Termination Tool (System Description). <i>Lecture Notes in Computer Science</i> , 2008, , 313-319.	1.0	25
47	Search Techniques for Rational Polynomial Orders. <i>Lecture Notes in Computer Science</i> , 2008, , 109-124.	1.0	11
48	Improving Context-Sensitive Dependency Pairs. <i>Lecture Notes in Computer Science</i> , 2008, , 636-651.	1.0	14
49	Usable Rules for Context-Sensitive Rewrite Systems. <i>Lecture Notes in Computer Science</i> , 2008, , 126-141.	1.0	6
50	Practical use of polynomials over the reals in proofs of termination. , 2007, , .		9
51	Removing redundant arguments automatically. <i>Theory and Practice of Logic Programming</i> , 2007, 7, 3-35.	1.1	2
52	Proving Termination of Context-Sensitive Rewriting with MU-TERM. <i>Electronic Notes in Theoretical Computer Science</i> , 2007, 188, 105-115.	0.9	17
53	Improving the Context-sensitive Dependency Graph. <i>Electronic Notes in Theoretical Computer Science</i> , 2007, 188, 91-103.	0.9	10
54	The Maude Formal Tool Environment. , 2007, , 173-178.		25

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55	On the relative power of polynomials with real, rational, and integer coefficients in proofs of termination of rewriting. <i>Applicable Algebra in Engineering, Communications and Computing</i> , 2006, 17, 49-73.	0.3	13
56	Rewriting-Based Navigation of Web Sites: Looking for Models and Logics. <i>Electronic Notes in Theoretical Computer Science</i> , 2006, 157, 79-85.	0.9	8
57	Proving termination of context-sensitive rewriting by transformation. <i>Information and Computation</i> , 2006, 204, 1782-1846.	0.5	17
58	Generalizing Newman's Lemma for Left-Linear Rewrite Systems. <i>Lecture Notes in Computer Science</i> , 2006, , 66-80.	1.0	5
59	Context-Sensitive Dependency Pairs. <i>Lecture Notes in Computer Science</i> , 2006, , 297-308.	1.0	12
60	Polynomials over the reals in proofs of termination : from theory to practice. <i>RAIRO - Theoretical Informatics and Applications</i> , 2005, 39, 547-586.	0.5	33
61	Specialization of functional logic programs based on needed narrowing. <i>Theory and Practice of Logic Programming</i> , 2005, 5, 273-303.	1.1	14
62	Reduction strategies in rewriting and programming. <i>Journal of Symbolic Computation</i> , 2005, 40, 745-747.	0.5	0
63	New Evaluation Commands for Maude Within Full Maude. <i>Electronic Notes in Theoretical Computer Science</i> , 2005, 117, 263-284.	0.9	6
64	Operational termination of conditional term rewriting systems. <i>Information Processing Letters</i> , 2005, 95, 446-453.	0.4	71
65	On-demand Evaluation for Maude. <i>Electronic Notes in Theoretical Computer Science</i> , 2005, 124, 25-39.	0.9	4
66	Strategies in Programming Languages Today. <i>Electronic Notes in Theoretical Computer Science</i> , 2005, 124, 113-118.	0.9	3
67	Termination of Fair Computations in Term Rewriting. <i>Lecture Notes in Computer Science</i> , 2005, , 184-198.	1.0	2
68	Proving termination of membership equational programs. , 2004, , .		24
69	Correct and Complete (Positive) Strategy Annotations for OBJ. <i>Electronic Notes in Theoretical Computer Science</i> , 2004, 71, 70-89.	0.9	10
70	Strong and NV-sequentiality of constructor systems. <i>Information Processing Letters</i> , 2004, 89, 191-201.	0.4	0
71	Polynomials for Proving Termination of Context-Sensitive Rewriting. <i>Lecture Notes in Computer Science</i> , 2004, , 318-332.	1.0	11
72	mu-term: A Tool for Proving Termination of Context-Sensitive Rewriting. <i>Lecture Notes in Computer Science</i> , 2004, , 200-209.	1.0	28

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73	OnDemandOBJ. Electronic Notes in Theoretical Computer Science, 2003, 86, 1-27.	0.9	5
74	On-demand Evaluation by Program Transformation ¹ Work partially supported by CICYT TIC2001-2705-C03-01 and MCYT grants HA2001-0059 and HU2001-0019.. Electronic Notes in Theoretical Computer Science, 2003, 86, 92-118.	0.9	1
75	Abstract Correction of First-Order Functional Programs. Electronic Notes in Theoretical Computer Science, 2003, 86, 105-122.	0.9	0
76	Abstract Diagnosis of Functional Programs. Lecture Notes in Computer Science, 2003, , 1-16.	1.0	11
77	Modular termination of context-sensitive rewriting. , 2002, , .		13
78	Context-Sensitive Rewriting Strategies. Information and Computation, 2002, 178, 294-343.	0.5	55
79	Redundancy of Arguments Reduced to Induction. Electronic Notes in Theoretical Computer Science, 2002, 76, 20-41.	0.9	1
80	Lazy Rewriting and Context-Sensitive Rewriting. Electronic Notes in Theoretical Computer Science, 2002, 64, 234-254.	0.9	12
81	Demandness in Rewriting and Narrowing. Electronic Notes in Theoretical Computer Science, 2002, 76, 42-51.	0.9	4
82	Context-Sensitive Rewriting Strategies. Information and Computation, 2002, 178, 294-343.	0.5	24
83	Termination of (Canonical) Context-Sensitive Rewriting. Lecture Notes in Computer Science, 2002, , 296-310.	1.0	14
84	Recursive Path Orderings Can Be Context-Sensitive. Lecture Notes in Computer Science, 2002, , 314-331.	1.0	17
85	Removing Redundant Arguments of Functions*. Lecture Notes in Computer Science, 2002, , 117-132.	1.0	2
86	Simple termination of context-sensitive rewriting. , 2002, , .		14
87	Transfinite Rewriting Semantics for Term Rewriting Systems. Lecture Notes in Computer Science, 2001, , 216-230.	1.0	10
88	Termination of Rewriting with Strategy Annotations. Lecture Notes in Computer Science, 2001, , 669-684.	1.0	21
89	Termination of on-demand rewriting and termination of OBJ programs. , 2001, , .		27
90	Specialization of inductively sequential functional logic programs. , 1999, , .		7

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91	Specialization of inductively sequential functional logic programs. ACM SIGPLAN Notices, 1999, 34, 273-283.	0.2	3
92	UPV-Curry: An Incremental Curry Interpreter. Lecture Notes in Computer Science, 1999, , 331-339.	1.0	2
93	Strongly sequential and inductively sequential term rewriting systems. Information Processing Letters, 1998, 67, 1-8.	0.4	23
94	Root-neededness and approximations of neededness. Information Processing Letters, 1998, 67, 245-254.	0.4	6
95	Needed reductions with context-sensitive rewriting. Lecture Notes in Computer Science, 1997, , 129-143.	1.0	4
96	Transformations for efficient evaluations in functional programming. Lecture Notes in Computer Science, 1997, , 127-141.	1.0	2
97	A new proposal of concurrent process calculus. Lecture Notes in Computer Science, 1996, , 385-392.	1.0	0
98	Termination of context-sensitive rewriting by rewriting. Lecture Notes in Computer Science, 1996, , 122-133.	1.0	21
99	Context-sensitive computations in confluent programs. Lecture Notes in Computer Science, 1996, , 408-422.	1.0	4
100	Synthesis of models for order-sorted first-order theories using linear algebra and constraint solving. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 200, 32-47.	0.8	2
101	Termination of canonical context-sensitive rewriting and productivity of rewrite systems. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 200, 18-31.	0.8	0