

Iain Phillips

List of Publications by Year in descending order

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44
papers

785
citations

623734

14
h-index

580821

25
g-index

47
all docs

47
docs citations

47
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	Refusal testing. Theoretical Computer Science, 1987, 50, 241-284.	0.9	135
2	Reversing algebraic process calculi. The Journal of Logic and Algebraic Programming, 2007, 73, 70-96.	1.4	111
3	A Reversible Process Calculus and the Modelling of the ERK Signalling Pathway. Lecture Notes in Computer Science, 2013, , 218-232.	1.3	57
4	Reversibility and Models for Concurrency. Electronic Notes in Theoretical Computer Science, 2007, 192, 93-108.	0.9	37
5	Reversibility and asymmetric conflict in event structures. Journal of Logical and Algebraic Methods in Programming, 2015, 84, 781-805.	0.5	34
6	Ordered SOS Process Languages for Branching and Eager Bisimulations. Information and Computation, 2002, 178, 180-213.	0.7	27
7	On the computational strength of pure ambient calculi. Theoretical Computer Science, 2005, 330, 501-551.	0.9	26
8	Ordered SOS Process Languages for Branching and Eager Bisimulations. Information and Computation, 2002, 178, 180-213.	0.7	20
9	Tutorial on separation results in process calculi via leader election problems. Theoretical Computer Science, 2007, 388, 267-289.	0.9	19
10	An Axiomatic Approach to Reversible Computation. Lecture Notes in Computer Science, 2020, , 442-461.	1.3	19
11	Leader election in rings of ambient processes. Theoretical Computer Science, 2006, 356, 468-494.	0.9	18
12	A hierarchy of reverse bisimulations on stable configuration structures. Mathematical Structures in Computer Science, 2012, 22, 333-372.	0.6	17
13	Electoral Systems in Ambient Calculi. Lecture Notes in Computer Science, 2004, , 408-422.	1.3	16
14	Modelling of Bonding with Processes and Events. Lecture Notes in Computer Science, 2013, , 141-154.	1.3	15
15	CCS with priority guards. The Journal of Logic and Algebraic Programming, 2008, 75, 139-165.	1.4	14
16	Reversing Event Structures. New Generation Computing, 2018, 36, 281-306.	3.3	13
17	On Reduction Semantics for the Push and Pull Ambient Calculus. , 2002, , 550-562.		13
18	Symmetric electoral systems for ambient calculi. Information and Computation, 2008, 206, 34-72.	0.7	12

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19	Semantics and expressiveness of ordered SOS. <i>Information and Computation</i> , 2009, 207, 85-119.	0.7	12
20	Event Identifier Logic. <i>Mathematical Structures in Computer Science</i> , 2014, 24, .	0.6	12
21	Foundations of Reversible Computation. <i>Lecture Notes in Computer Science</i> , 2020, , 1-40.	1.3	12
22	Concurrency and Reversibility. <i>Lecture Notes in Computer Science</i> , 2014, , 1-14.	1.3	11
23	CCS with Priority Guards. <i>Lecture Notes in Computer Science</i> , 2001, , 305-320.	1.3	9
24	Reversible Occurrence Nets and Causal Reversible Prime Event Structures. <i>Lecture Notes in Computer Science</i> , 2020, , 35-53.	1.3	9
25	Formats of ordered SOS rules with silent actions. <i>Lecture Notes in Computer Science</i> , 1997, , 297-308.	1.3	8
26	Matching Systems for Concurrent Calculi. <i>Electronic Notes in Theoretical Computer Science</i> , 2008, 194, 85-99.	0.9	8
27	Forward-Reverse Observational Equivalences in CCSK. <i>Lecture Notes in Computer Science</i> , 2021, , 126-143.	1.3	8
28	Event structure semantics of (controlled) reversible CCS. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2021, 121, 100686.	0.5	8
29	Event Structure Semantics of (controlled) Reversible CCS. <i>Lecture Notes in Computer Science</i> , 2018, , 102-122.	1.3	8
30	A parametric framework for reversible λ -calculi. <i>Information and Computation</i> , 2020, 275, 104644.	0.7	7
31	Reversibility and Asymmetric Conflict in Event Structures. <i>Lecture Notes in Computer Science</i> , 2013, , 303-318.	1.3	7
32	A Logic with Reverse Modalities for History-preserving Bisimulations. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 64, 104-118.	0.8	7
33	Towards a categorical representation of reversible event structures. <i>Journal of Logical and Algebraic Methods in Programming</i> , 2019, 104, 16-59.	0.5	6
34	Operational Semantics of Reversibility in Process Algebra. <i>Electronic Notes in Theoretical Computer Science</i> , 2006, 162, 281-286.	0.9	4
35	Real-Time Methods in Reversible Computation. <i>Lecture Notes in Computer Science</i> , 2015, , 45-59.	1.3	4
36	Reverse Bisimulations on Stable Configuration Structures. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 18, 62-76.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Towards a Categorical Representation of Reversible Event Structures. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 246, 49-60.	0.8	4
38	On the Computational Strength of Pure Ambient Calculi. Electronic Notes in Theoretical Computer Science, 2004, 96, 29-49.	0.9	3
39	A Parametric Framework for Reversible Pi-Calculi. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 276, 87-103.	0.8	3
40	Leader Election in Rings of Ambient Processes. Electronic Notes in Theoretical Computer Science, 2005, 128, 185-199.	0.9	2
41	Event structures for the reversible early internal π -calculus. Journal of Logical and Algebraic Methods in Programming, 2022, 124, 100720.	0.5	2
42	Event Structures for the Reversible Early Internal π -Calculus. Lecture Notes in Computer Science, 2020, , 71-90.	1.3	1
43	Separation Results Via Leader Election Problems. Lecture Notes in Computer Science, 2006, , 172-194.	1.3	1
44	Towards a Formal Account for Software Transactional Memory. Lecture Notes in Computer Science, 2020, , 255-263.	1.3	1