Akimasa Morihata

List of Publications by Year
in descending order

36	189	1937685 4	1372567 10
papers	citations	h-index	g-index

37	37	37	75
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fregel: a functional domain-specific language for vertex-centric large-scale graph processing. Journal of Functional Programming, 2022, 32, .	0.8	2
2	Reverse engineering for reduction parallelization via semiring polynomials. , 2021, , .		1
3	Lambda calculus with algebraic simplification for reduction parallelisation: Extended study. Journal of Functional Programming, 2021, 31, .	0.8	1
4	Lambda calculus with algebraic simplification for reduction parallelization by equational reasoning. , 2019, 3, 1-25.		2
5	Using Algebraic Properties and Function Fusion to Evaluate Tree Accumulations in Parallel. Journal of Information Processing, 2019, 27, 411-421.	0.4	0
6	Incremental computing with data structures. Science of Computer Programming, 2018, 164, 18-36.	1.9	1
7	Optimizing Declarative Parallel Distributed Graph Processing by Using Constraint Solvers. Lecture Notes in Computer Science, 2018, , 166-181.	1.3	4
8	From identification of parallelizability to derivation of parallelizable codes. , 2016, , .		0
9	Think like a vertex, behave like a function! a functional DSL for vertex-centric big graph processing. , 2016, , .		7
10	Incremental Computing with Abstract Data Structures. Lecture Notes in Computer Science, 2016, , 215-231.	1.3	0
11	Think like a vertex, behave like a function! a functional DSL for vertex-centric big graph processing. ACM SIGPLAN Notices, 2016, 51, 200-213.	0.2	3
12	Approximate by thinning: Deriving fully polynomial-time approximation schemes. Science of Computer Programming, 2015, 98, 484-515.	1.9	0
13	Parallel Tree Contraction with Fewer Types of Primitive Contraction Operations and Its Application to Trees of Unbounded Degree. IPSJ Online Transactions, 2014, 7, 148-156.	0.1	0
14	Syntax-Directed Divide-and-Conquer Data-Flow Analysis. Lecture Notes in Computer Science, 2014, , 392-407.	1.3	0
15	The Essence of Ruby. Lecture Notes in Computer Science, 2014, , 78-98.	1.3	1
16	Dynamic Programming via Thinning and Incrementalization. Lecture Notes in Computer Science, 2014, , 186-202.	1.3	1
17	A short cut to parallelization theorems. , 2013, , .		4
18	A short cut to parallelization theorems. ACM SIGPLAN Notices, 2013, 48, 245-256.	0.2	2

#	Article	IF	Citations
19	Manipulating accumulative functions by swapping call-time and return-time computations. Journal of Functional Programming, 2012, 22, 275-299.	0.8	0
20	Calculational Developments of New Parallel Algorithms for Size-Constrained Maximum-Sum Segment Problems. Lecture Notes in Computer Science, 2012, , 213-227.	1.3	1
21	A Short Cut to Optimal Sequences. New Generation Computing, 2011, 29, 31-59.	3.3	4
22	A Practical Tree Contraction Algorithm for Parallel Skeletons on Trees of Unbounded Degree. Procedia Computer Science, 2011, 4, 7-16.	2.0	5
23	Generalising and dualising the third list-homomorphism theorem. , 2011, , .		2
24	Balanced trees inhabiting functional parallel programming. , 2011, , .		5
25	Generalising and dualising the third list-homomorphism theorem. ACM SIGPLAN Notices, 2011, 46, 385-391.	0.2	0
26	Balanced trees inhabiting functional parallel programming. ACM SIGPLAN Notices, 2011, 46, 117-128.	0.2	1
27	Constructing datatype-generic fully polynomial-time approximation schemes using generalised thinning. , 2010, , .		2
28	Automatic Parallelization of Recursive Functions Using Quantifier Elimination. Lecture Notes in Computer Science, 2010, , 321-336.	1.3	22
29	The third homomorphism theorem on trees. , 2009, , .		23
30	The third homomorphism theorem on trees. ACM SIGPLAN Notices, 2009, 44, 177-185.	0.2	35
31	A Short Cut to Optimal Sequences. Lecture Notes in Computer Science, 2009, , 63-78.	1.3	1
32	Write it recursively. , 2008, , .		1
33	Write it recursively. ACM SIGPLAN Notices, 2008, 43, 169-178.	0.2	1
34	Automatic inversion generates divide-and-conquer parallel programs. ACM SIGPLAN Notices, 2007, 42, 146-155.	0.2	8
35	Automatic inversion generates divide-and-conquer parallel programs. , 2007, , .		44
36	Swapping Arguments and Results of Recursive Functions. Lecture Notes in Computer Science, 2006, , 379-396.	1.3	3