

Gabriele Keller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7871336/publications.pdf>

Version: 2024-02-01

58
papers

1,317
citations

759233

12
h-index

794594

19
g-index

61
all docs

61
docs citations

61
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerating Haskell array codes with multicore GPUs. , 2011, , .		170
2	Data parallel Haskell. , 2007, , .		136
3	Associated type synonyms. , 2005, , .		133
4	Associated types with class. , 2005, , .		112
5	Regular, shape-polymorphic, parallel arrays in Haskell. , 2010, , .		107
6	A Parallelised High Performance Monte Carlo Simulation Approach for Complex Polymerisation Kinetics. Macromolecular Theory and Simulations, 2007, 16, 575-592.	1.4	64
7	Optimising purely functional GPU programs. , 2013, , .		63
8	Cogent. , 2016, , .		43
9	Nepal " Nested Data Parallelism in Haskell. Lecture Notes in Computer Science, 2001, , 524-534.	1.3	31
10	The risks and benefits of teaching purely functional programming in first year. Journal of Functional Programming, 2004, 14, 113-123.	0.8	29
11	More types for nested data parallel programming. , 2000, , .		29
12	Guiding parallel array fusion with indexed types. , 2012, , .		24
13	Regular, shape-polymorphic, parallel arrays in Haskell. ACM SIGPLAN Notices, 2010, 45, 261-272.	0.2	23
14	Associated type synonyms. ACM SIGPLAN Notices, 2005, 40, 241-253.	0.2	21
15	Higher Order Flattening. Lecture Notes in Computer Science, 2006, , 920-928.	1.3	20
16	Optimising Embedded DSLs Using Template Haskell. Lecture Notes in Computer Science, 2004, , 186-205.	1.3	17
17	File systems deserve verification too!. , 2013, , .		16
18	Functional array fusion. , 2001, , .		16

#	ARTICLE	IF	CITATIONS
19	Flattening trees. Lecture Notes in Computer Science, 1998, , 709-719.	1.3	15
20	A Functional Perspective on SSA Optimisation Algorithms. Electronic Notes in Theoretical Computer Science, 2004, 82, 347-361.	0.9	15
21	Efficient parallel stencil convolution in Haskell. , 2011, , .		14
22	Associated types with class. ACM SIGPLAN Notices, 2005, 40, 1-13.	0.2	13
23	An Approach to Fast Arrays in Haskell. Lecture Notes in Computer Science, 2003, , 27-58.	1.3	12
24	A Framework for the Automatic Formal Verification of Refinement from Cogent to C. Lecture Notes in Computer Science, 2016, , 323-340.	1.3	12
25	Cogent: uniqueness types and certifying compilation. Journal of Functional Programming, 2021, 31, .	0.8	12
26	Streaming irregular arrays. , 2017, , .		10
27	Work efficient higher-order vectorisation. , 2012, , .		9
28	Optimising purely functional GPU programs. ACM SIGPLAN Notices, 2013, 48, 49-60.	0.2	9
29	A calculational approach to flattening nested data parallelism in functional languages. Lecture Notes in Computer Science, 1996, , 234-243.	1.3	8
30	COSTING NESTED ARRAY CODES. Parallel Processing Letters, 2002, 12, 249-266.	0.6	8
31	Vectorisation avoidance. , 2012, , .		8
32	Data flow fusion with series expressions in Haskell. , 2013, , .		7
33	Chromatic Derivatives and Approximations in Practiceâ€”Part II: Nonuniform Sampling, Zero-Crossings Reconstruction, and Denoising. IEEE Transactions on Signal Processing, 2018, 66, 1513-1525.	5.3	7
34	Embedding Foreign Code. Lecture Notes in Computer Science, 2014, , 136-151.	1.3	7
35	Modular type classes. ACM SIGPLAN Notices, 2007, 42, 63-70.	0.2	6
36	Functional array streams. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	An Adaptive Denoising Algorithm for Improving Frequency Estimation and Tracking. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 172-176.	3.0	6
38	CoGENT. Operating Systems Review (ACM), 2016, 50, 175-188.	1.9	6
39	Provably trustworthy systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150404.	3.4	5
40	The Cogent Case for Property-Based Testing. , 2017, , .		5
41	Using an agent-based approach for robust automated testing of computer games. , 2021, , .		5
42	Efficient parallel stencil convolution in Haskell. ACM SIGPLAN Notices, 2012, 46, 59-70.	0.2	4
43	Guiding parallel array fusion with indexed types. ACM SIGPLAN Notices, 2013, 47, 25-36.	0.2	4
44	Vectorisation avoidance. ACM SIGPLAN Notices, 2013, 47, 37-48.	0.2	4
45	Chromatic Derivatives and Approximations in Practiceâ€”Part I: A General Framework. IEEE Transactions on Signal Processing, 2018, 66, 1498-1512.	5.3	4
46	Cogent. Computer Architecture News, 2016, 44, 175-188.	2.5	4
47	Fusing filters with integer linear programming. , 2014, , .		3
48	Bringing Effortless Refinement of Data Layouts to Cogent. Lecture Notes in Computer Science, 2018, , 134-149.	1.3	3
49	Cogent. ACM SIGPLAN Notices, 2016, 51, 175-188.	0.2	3
50	More types for nested data parallel programming. ACM SIGPLAN Notices, 2000, 35, 94-105.	0.2	3
51	Work efficient higher-order vectorisation. ACM SIGPLAN Notices, 2012, 47, 259-270.	0.2	2
52	Data flow fusion with series expressions in Haskell. ACM SIGPLAN Notices, 2014, 48, 93-104.	0.2	2
53	Streaming irregular arrays. ACM SIGPLAN Notices, 2017, 52, 174-185.	0.2	2
54	An Appraisal Transition System for Event-Driven Emotions in Agent-Based Player Experience Testing. Lecture Notes in Computer Science, 2022, , 156-174.	1.3	2

#	ARTICLE	IF	CITATIONS
55	Functional array fusion. ACM SIGPLAN Notices, 2001, 36, 205-216.	0.2	1
56	On reconstruction of bandlimited signals from purely timing information. Signal Processing, 2019, 159, 89-92.	3.7	1
57	File systems deserve verification tool!. Operating Systems Review (ACM), 2014, 48, 58-64.	1.9	1
58	Accelerating Nested Data Parallelism: Preserving Regularity. Lecture Notes in Computer Science, 2020, , 426-442.	1.3	1