

# Keshav Pingali

## List of Publications by Year in descending order

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20  
papers

637  
citations

1039406

9  
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996533

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated application-level checkpointing of MPI programs. , 2003, , .		106
2	A singular loop transformation framework based on non-singular matrices. International Journal of Parallel Programming, 1994, 22, 183-205.	1.1	70
3	Optimistic parallelism requires abstractions. ACM SIGPLAN Notices, 2007, 42, 211-222.	0.2	69
4	Fast agglomerative clustering for rendering. , 2008, , .		60
5	Access normalization. ACM Transactions on Computer Systems, 1993, 11, 353-375.	0.6	59
6	The program structure tree. ACM SIGPLAN Notices, 1994, 29, 171-185.	0.2	50
7	Scheduling strategies for optimistic parallel execution of irregular programs. , 2008, , .		45
8	How much parallelism is there in irregular applications?. ACM SIGPLAN Notices, 2009, 44, 3-14.	0.2	34
9	Synthesizing Transformations for Locality Enhancement of Imperfectly-Nested Loop Nests. International Journal of Parallel Programming, 2001, 29, 493-544.	1.1	28
10	Collective operations in application-level fault-tolerant MPI. , 2003, , .		25
11	Data-centric multi-level blocking. ACM SIGPLAN Notices, 1997, 32, 346-357.	0.2	14
12	Optimistic parallelism benefits from data partitioning. Computer Architecture News, 2008, 36, 233-243.	2.5	13
13	Data-Centric Transformations for Locality Enhancement. International Journal of Parallel Programming, 2001, 29, 319-364.	1.1	12
14	Optimizing Checkpoint Sizes in the C3 System. , 0, , .		12
15	A framework for generalized control dependence. ACM SIGPLAN Notices, 1996, 31, 291-300.	0.2	9
16	Look Left, Look Right, Look Left Again: An Application of Fractal Symbolic Analysis to Linear Algebra Code Restructuring. International Journal of Parallel Programming, 2004, 32, 501-523.	1.1	9
17	A case for source-level transformations in MATLAB. ACM SIGPLAN Notices, 2000, 35, 53-65.	0.2	8
18	Fine-grain compilation for pipelined machines. Journal of Supercomputing, 1988, 2, 279-295.	2.4	6

#	ARTICLE	IF	CITATIONS
19	Application-level checkpointing for shared memory programs. ACM SIGPLAN Notices, 2004, 39, 235-247.	0.2	5
20	APT. ACM SIGPLAN Notices, 1995, 30, 32-46.	0.2	3