

# Keshav Pingali

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

456  
citations

11  
h-index

20  
g-index

20  
ext. papers

518  
ext. citations

0.7  
avg, IF

2.86  
L-index

#	Paper	IF	Citations
20	How much parallelism is there in irregular applications?. <i>ACM SIGPLAN Notices</i> , <b>2009</b> , 44, 3-14	0.2	22
19	Fast agglomerative clustering for rendering <b>2008</b> ,		49
18	Scheduling strategies for optimistic parallel execution of irregular programs <b>2008</b> ,		37
17	Optimistic parallelism benefits from data partitioning. <i>Computer Architecture News</i> , <b>2008</b> , 36, 233-243		13
16	Optimistic parallelism requires abstractions. <i>ACM SIGPLAN Notices</i> , <b>2007</b> , 42, 211-222	0.2	60
15	Application-level checkpointing for shared memory programs. <i>ACM SIGPLAN Notices</i> , <b>2004</b> , 39, 235-247	0.2	3
14	Look Left, Look Right, Look Left Again: An Application of Fractal Symbolic Analysis to Linear Algebra Code Restructuring. <i>International Journal of Parallel Programming</i> , <b>2004</b> , 32, 501-523	1.5	5
13	Collective operations in application-level fault-tolerant MPI <b>2003</b> ,		22
12	Automated application-level checkpointing of MPI programs <b>2003</b> ,		54
11	Data-Centric Transformations for Locality Enhancement. <i>International Journal of Parallel Programming</i> , <b>2001</b> , 29, 319-364	1.5	10
10	Synthesizing Transformations for Locality Enhancement of Imperfectly-Nested Loop Nests. <i>International Journal of Parallel Programming</i> , <b>2001</b> , 29, 493-544	1.5	24
9	A case for source-level transformations in MATLAB. <i>ACM SIGPLAN Notices</i> , <b>2000</b> , 35, 53-65	0.2	7
8	Data-centric multi-level blocking. <i>ACM SIGPLAN Notices</i> , <b>1997</b> , 32, 346-357	0.2	11
7	A framework for generalized control dependence. <i>ACM SIGPLAN Notices</i> , <b>1996</b> , 31, 291-300	0.2	8
6	APT. <i>ACM SIGPLAN Notices</i> , <b>1995</b> , 30, 32-46	0.2	3
5	A singular loop transformation framework based on non-singular matrices. <i>International Journal of Parallel Programming</i> , <b>1994</b> , 22, 183-205	1.5	46
4	The program structure tree. <i>ACM SIGPLAN Notices</i> , <b>1994</b> , 29, 171-185	0.2	38

3	Access normalization. <i>ACM Transactions on Computer Systems</i> , <b>1993</b> , 11, 353-375	1.1	33
2	Fine-grain compilation for pipelined machines. <i>Journal of Supercomputing</i> , <b>1988</b> , 2, 279-295	2.5	3
1	Optimizing checkpoint sizes in the C3 system		8