

# Franklin T Luk

## List of Publications by Year in descending order

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19  
papers

877  
citations

840585

11  
h-index

1125617

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

249  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Solution of Singular-Value and Symmetric Eigenvalue Problems on Multiprocessor Arrays. SIAM Journal on Scientific and Statistical Computing, 1985, 6, 69-84.	1.5	257
2	An analysis of algorithm-based fault tolerance techniques. Journal of Parallel and Distributed Computing, 1988, 5, 172-184.	2.7	104
3	A Block Lanczos Method for Computing the Singular Values and Corresponding Singular Vectors of a Matrix. ACM Transactions on Mathematical Software, 1981, 7, 149-169.	1.6	103
4	Triangular processor array for computing singular values. Linear Algebra and Its Applications, 1986, 77, 259-273.	0.4	93
5	On Parallel Jacobi Orderings. SIAM Journal on Scientific and Statistical Computing, 1989, 10, 18-26.	1.5	72
6	Computing the Singular-Value Decomposition on the ILLIAC IV. ACM Transactions on Mathematical Software, 1980, 6, 524-539.	1.6	55
7	A parallel method for computing the generalized singular value decomposition. Journal of Parallel and Distributed Computing, 1985, 2, 250-260.	2.7	47
8	A Rotation Method for Computing the QR-Decomposition. SIAM Journal on Scientific and Statistical Computing, 1986, 7, 452-459.	1.5	39
9	Canonical correlations and generalized SVD: Applications and new algorithms. Journal of Computational and Applied Mathematics, 1989, 27, 37-52.	1.1	25
10	Algorithmic Fault Tolerance Using the Lanczos Method. SIAM Journal on Matrix Analysis and Applications, 1992, 13, 312-332.	0.7	22
11	An accurate product SVD algorithm. Signal Processing, 1991, 25, 189-201.	2.1	20
12	Architectures for Computing Eigenvalues and SVDs. , 1986, , .		17
13	<title>Systolic Array Computation Of The Singular Value Decomposition</title>. , 1982, 0341, 35.		11
14	Computing the CS-Decomposition on Systolic Arrays. SIAM Journal on Scientific and Statistical Computing, 1986, 7, 1121-1125.	1.5	3
15	Almost Linear Time Matrix Operations On The Connection Machine. , 1988, , .		3
16	A novel fault tolerance technique for recursive least squares minimization. Journal of Signal Processing Systems, 1989, 1, 181-188.	1.0	3
17	Canonical Correlations And Generalized SVD: Applications And New Algorithms. , 1989, , .		3
18	The HK singular value decomposition of rank deficient matrix triplets. Lecture Notes in Computer Science, 1991, , 286-292.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Canonical correlations and generalized SVD: applications and new algorithms. Advances in Parallel Computing, 1990, , 37-52.	0.3	0