

H T Kung

List of Publications by Year in descending order

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48
papers

4,880
citations

393982

19
h-index

500791

28
g-index

49
all docs

49
docs citations

49
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	On optimistic methods for concurrency control. ACM Transactions on Database Systems, 1981, 6, 213-226.	1.5	1,016
2	On Finding the Maxima of a Set of Vectors. Journal of the ACM, 1975, 22, 469-476.	1.8	719
3	Optimal Order of One-Point and Multipoint Iteration. Journal of the ACM, 1974, 21, 643-651.	1.8	551
4	On the Average Number of Maxima in a Set of Vectors and Applications. Journal of the ACM, 1978, 25, 536-543.	1.8	295
5	The Warp Computer: Architecture, Implementation, and Performance. IEEE Transactions on Computers, 1987, C-36, 1523-1538.	2.4	266
6	Compressive sensing based channel feedback protocols for spatially-correlated massive antenna arrays. , 2012, , .		221
7	Fast Algorithms for Manipulating Formal Power Series. Journal of the ACM, 1978, 25, 581-595.	1.8	206
8	Concurrent manipulation of binary search trees. ACM Transactions on Database Systems, 1980, 5, 354-382.	1.5	200
9	I/O complexity. , 1981, , .		175
10	Design of an OFDM Cooperative Space-Time Diversity System. IEEE Transactions on Vehicular Technology, 2007, 56, 2203-2215.	3.9	110
11	Maximizing Throughput of UAV-Relaying Networks with the Load-Carry-and-Deliver Paradigm. , 2007, , .		99
12	Supporting systolic and memory communication in iWarp. Computer Architecture News, 1990, 18, 70-81.	2.5	98
13	Credit-based flow control for ATM networks. Computer Communication Review, 1994, 24, 101-114.	1.5	86
14	Systolic VLSI Arrays for Polynomial GCD Computation. IEEE Transactions on Computers, 1984, C-33, 731-736.	2.4	83
15	All Algebraic Functions Can Be Computed Fast. Journal of the ACM, 1978, 25, 245-260.	1.8	80
16	An optimality theory of concurrency control for databases. , 1979, , .		67
17	Performance Measurement of 802.11a Wireless Links from UAV to Ground Nodes with Various Antenna Orientations. Computer Communications and Networks (IC3N), Proceedings of the IEEE International Conference on, 2006, , .	0.0	63
18	On computing reciprocals of power series. Numerische Mathematik, 1974, 22, 341-348.	0.9	60

#	ARTICLE	IF	CITATIONS
19	An efficient parallel garbage collection system and ITS correctness proof. , 1977, , .		53
20	Memory requirements for balanced computer architectures. Computer Architecture News, 1986, 14, 49-54.	2.5	45
21	New Algorithms and Lower Bounds for the Parallel Evaluation of Certain Rational Expressions and Recurrences. Journal of the ACM, 1976, 23, 252-261.	1.8	39
22	Supporting systolic and memory communication in iWarp. , 1990, , .		36
23	Mapping image processing operations onto a linear systolic machine. Distributed Computing, 1986, 1, 246-257.	0.7	34
24	Determining RF angle of arrival using COTS antenna arrays: A field evaluation. , 2012, , .		33
25	Design of special-purpose VLSI chips. , 1980, , .		30
26	Automatic Mapping Of Large Signal Processing Systems To A Parallel Machine. Proceedings of SPIE, 1989, 1154, 2.	0.8	27
27	Warp architecture and implementation. Computer Architecture News, 1986, 14, 346-356.	2.5	26
28	Fast Algorithms for Partial Fraction Decomposition. SIAM Journal on Computing, 1977, 6, 582-593.	0.8	25
29	Use of VLSI in algebraic computation. , 1981, , .		18
30	An optimality theory of concurrency control for databases. Acta Informatica, 1983, 19, 1.	0.5	18
31	Compressive sensing medium access control for wireless LANs. , 2012, , .		14
32	Optimal Order and Efficiency for Iterations with Two Evaluations. SIAM Journal on Numerical Analysis, 1976, 13, 84-99.	1.1	13
33	Concurrent channel access and estimation for scalable multiuser MIMO networking. , 2013, , .		12
34	A Data-Driven Approach to Localization for High Frequency Wireless Mobile Networks. , 2017, , .		11
35	Construction of block orthogonal golay sequences and application to channel estimation of mimo-ofdm systems. IEEE Transactions on Communications, 2008, 56, 27-31.	4.9	9
36	Parallel Use of Multiple Channels in Multi-hop 802.11 Wireless Networks. , 2006, , .		8

#	ARTICLE	IF	CITATIONS
37	On the computational complexity of finding the maxima of a set of vectors. , 1974, , .		7
38	Architecture of the PSC-a programmable systolic chip. Computer Architecture News, 1983, 11, 48-53.	2.5	6
39	Parallelizing a new class of large applications over high-speed networks. ACM SIGPLAN Notices, 1991, 26, 167-177.	0.2	4
40	Fuzzy clustering analysis in environmental impact assessment ? A complement tool to environmental quality index. Environmental Monitoring and Assessment, 1993, 28, 1-14.	1.3	4
41	Seismic Vulnerability Evaluation of Bridges in Memphis and Shelby County, Tennessee. Earthquake Spectra, 1993, 9, 803-816.	1.6	4
42	A Chip Architecture for Compressive Sensing Based Detection of IC Trojans. , 2012, , .		3
43	Compressive wireless pulse sensing. , 2015, , .		3
44	Seismic Vulnerability Evaluation of Essential Facilities in Memphis and Shelby County, Tennessee. Earthquake Spectra, 1995, 11, 527-544.	1.6	1
45	Subcarrier index coordinate expression (SICE): An ultra-low-power OFDM-compatible wireless communications scheme tailored for internet of things. , 2014, , .		1
46	A Novel Training Strategy for Deep Learning Model Compression Applied to Viral Classifications. , 2021, , .		1
47	Response to Howard H. M. Hwang's "Discussion of "Seismic Vulnerability Evaluation of Bridges in Memphis and Shelby County, Tennessee" Earthquake Spectra, 1994, 10, 795-796.	1.6	0
48	Ensuring Strong Dominance of the Leading Eigenvalues for Cluster Ensembles. , 2010, , .		0