

E G Coffman

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,216
citations

361045

20
h-index

454577

30
g-index

33
all docs

33
docs citations

33
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal scheduling for two-processor systems. Acta Informatica, 1972, 1, 200-213.	0.5	523
2	Scheduling independent tasks to reduce mean finishing time. Communications of the ACM, 1974, 17, 382-387.	3.3	436
3	Approximation Algorithms for Bin-Packing " An Updated Survey. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1984, , 49-106.	0.3	217
4	Organizing matrices and matrix operations for paged memory systems. Communications of the ACM, 1969, 12, 153-165.	3.3	145
5	Polling Systems with Zero Switchover Times: A Heavy-Traffic Averaging Principle. Annals of Applied Probability, 1995, 5, 681.	0.6	76
6	Bin packing: Maximizing the number of pieces packed. Acta Informatica, 1978, 9, 263-271.	0.5	71
7	Polling Systems in Heavy Traffic: A Bessel Process Limit. Mathematics of Operations Research, 1998, 23, 257-304.	0.8	69
8	Further experimental data on the behavior of programs in a paging environment. Communications of the ACM, 1968, 11, 471-474.	3.3	61
9	A study of storage partitioning using a mathematical model of locality. Communications of the ACM, 1972, 15, 185-190.	3.3	57
10	Asymptotic Methods in the Probabilistic Analysis of Sequencing and Packing Heuristics. Management Science, 1988, 34, 266-290.	2.4	57
11	Record Allocation for Minimizing Expected Retrieval Costs on Drum-Like Storage Devices. Journal of the ACM, 1976, 23, 103-115.	1.8	48
12	Analysis of a Drum Input/Output Queue Under Scheduled Operation in a Paged Computer System. Journal of the ACM, 1969, 16, 73-90.	1.8	46
13	Analysis of Scanning Policies for Reducing Disk Seek Times. SIAM Journal on Computing, 1972, 1, 269-279.	0.8	45
14	Sequencing Problems in Two-Server Systems. Mathematics of Operations Research, 1985, 10, 585-598.	0.8	42
15	Packings in two dimensions: Asymptotic average-case analysis of algorithms. Algorithmica, 1993, 9, 253-277.	1.0	38
16	Algorithms minimizing mean flow time: schedule-length properties. Acta Informatica, 1976, 6, 1-14.	0.5	37
17	Polling and greedy servers on a line. Queueing Systems, 1987, 2, 115-145.	0.6	34
18	The Maximum of a Random Walk and Its Application to Rectangle Packing. Probability in the Engineering and Informational Sciences, 1998, 12, 373-386.	0.6	27

#	ARTICLE	IF	CITATIONS
19	Optimum Head Separation in a Disk System with Two Read/Write Heads. Journal of the ACM, 1984, 31, 826-838.	1.8	23
20	Bandwidth packing. Algorithmica, 2001, 29, 70-88.	1.0	22
21	Analysis of Two Time-Sharing Algorithms Designed for Limited Swapping. Journal of the ACM, 1968, 15, 341-353.	1.8	21
22	A Combinatorial Problem Related to Interleaved Memory Systems. Journal of the ACM, 1973, 20, 39-45.	1.8	20
23	Queueing models of secondary storage devices. Queueing Systems, 1986, 1, 129-168.	0.6	20
24	Minimizing expected makespans on uniform processor systems. Advances in Applied Probability, 1987, 19, 177-201.	0.4	19
25	Synthesis of a Feedback Queueing Discipline for Computer Operation. Journal of the ACM, 1974, 21, 329-339.	1.8	13
26	Storage-Limited Queues in Heavy Traffic. Probability in the Engineering and Informational Sciences, 1991, 5, 499-522.	0.6	11
27	Bin packing with discrete item sizes, part II: Tight bounds on First Fit. , 1997, 10, 69-101.		10
28	Optimal directory placement on disk storage devices. Journal of the ACM, 1988, 35, 433-446.	1.8	9
29	Continuous Polling on Graphs. Probability in the Engineering and Informational Sciences, 1993, 7, 209-226.	0.6	8
30	Proof of the 4/3 conjecture for preemptive vs. nonpreemptive two-processor scheduling. , 1991, , .		5
31	Scheduling independent tasks to reduce mean finishing-time (extended abstract). Operating Systems Review (ACM), 1973, 7, 102-103.	1.5	3
32	Scheduling Two-Point Stochastic Jobs to Minimize the Makespan on Two Parallel Machines. Probability in the Engineering and Informational Sciences, 1997, 11, 95-105.	0.6	1