

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	Bandwidth packing. <i>Algorithmica</i> , 2001, 29, 70-88.	1.0	22
2	The Maximum of a Random Walk and Its Application to Rectangle Packing. <i>Probability in the Engineering and Informational Sciences</i> , 1998, 12, 373-386.	0.6	27
3	Polling Systems in Heavy Traffic: A Bessel Process Limit. <i>Mathematics of Operations Research</i> , 1998, 23, 257-304.	0.8	69
4	Scheduling Two-Point Stochastic Jobs to Minimize the Makespan on Two Parallel Machines. <i>Probability in the Engineering and Informational Sciences</i> , 1997, 11, 95-105.	0.6	1
5	Bin packing with discrete item sizes, part II: Tight bounds on First Fit. , 1997, 10, 69-101.		10
6	Polling Systems with Zero Switchover Times: A Heavy-Traffic Averaging Principle. <i>Annals of Applied Probability</i> , 1995, 5, 681.	0.6	76
7	Packings in two dimensions: Asymptotic average-case analysis of algorithms. <i>Algorithmica</i> , 1993, 9, 253-277.	1.0	38
8	Continuous Polling on Graphs. <i>Probability in the Engineering and Informational Sciences</i> , 1993, 7, 209-226.	0.6	8
9	Storage-Limited Queues in Heavy Traffic. <i>Probability in the Engineering and Informational Sciences</i> , 1991, 5, 499-522.	0.6	11
10	Proof of the 4/3 conjecture for preemptive vs. nonpreemptive two-processor scheduling. , 1991, , .		5
11	Optimal directory placement on disk storage devices. <i>Journal of the ACM</i> , 1988, 35, 433-446.	1.8	9
12	Asymptotic Methods in the Probabilistic Analysis of Sequencing and Packing Heuristics. <i>Management Science</i> , 1988, 34, 266-290.	2.4	57
13	Minimizing expected makespans on uniform processor systems. <i>Advances in Applied Probability</i> , 1987, 19, 177-201.	0.4	19
14	Polling and greedy servers on a line. <i>Queueing Systems</i> , 1987, 2, 115-145.	0.6	34
15	Queueing models of secondary storage devices. <i>Queueing Systems</i> , 1986, 1, 129-168.	0.6	20
16	Sequencing Problems in Two-Server Systems. <i>Mathematics of Operations Research</i> , 1985, 10, 585-598.	0.8	42
17	Optimum Head Separation in a Disk System with Two Read/Write Heads. <i>Journal of the ACM</i> , 1984, 31, 826-838.	1.8	23
18	Approximation Algorithms for Bin-Packing " An Updated Survey. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 1984, , 49-106.	0.3	217

#	ARTICLE	IF	CITATIONS
19	Bin packing: Maximizing the number of pieces packed. Acta Informatica, 1978, 9, 263-271.	0.5	71
20	Algorithms minimizing mean flow time: schedule-length properties. Acta Informatica, 1976, 6, 1-14.	0.5	37
21	Record Allocation for Minimizing Expected Retrieval Costs on Drum-Like Storage Devices. Journal of the ACM, 1976, 23, 103-115.	1.8	48
22	Synthesis of a Feedback Queueing Discipline for Computer Operation. Journal of the ACM, 1974, 21, 329-339.	1.8	13
23	Scheduling independent tasks to reduce mean finishing time. Communications of the ACM, 1974, 17, 382-387.	3.3	436
24	A Combinatorial Problem Related to Interleaved Memory Systems. Journal of the ACM, 1973, 20, 39-45.	1.8	20
25	Scheduling independent tasks to reduce mean finishing-time (extended abstract). Operating Systems Review (ACM), 1973, 7, 102-103.	1.5	3
26	A study of storage partitioning using a mathematical model of locality. Communications of the ACM, 1972, 15, 185-190.	3.3	57
27	Analysis of Scanning Policies for Reducing Disk Seek Times. SIAM Journal on Computing, 1972, 1, 269-279.	0.8	45
28	Optimal scheduling for two-processor systems. Acta Informatica, 1972, 1, 200-213.	0.5	523
29	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
30	Organizing matrices and matrix operations for paged memory systems. Communications of the ACM, 1969, 12, 153-165.	3.3	145
31	Analysis of Two Time-Sharing Algorithms Designed for Limited Swapping. Journal of the ACM, 1968, 15, 341-353.	1.8	21
32	Further experimental data on the behavior of programs in a paging environment. Communications of the ACM, 1968, 11, 471-474.	3.3	61