

Kenneth R Baker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11248859/publications.pdf>

Version: 2024-02-01

55
papers

5,184
citations

159585

30
h-index

168389

53
g-index

110
all docs

110
docs citations

110
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequencing with Earliness and Tardiness Penalties: A Review. <i>Operations Research</i> , 1990, 38, 22-36.	1.9	872
2	Sequencing Rules and Due-Date Assignments in a Job Shop. <i>Management Science</i> , 1984, 30, 1093-1104.	4.1	435
3	Scheduling Groups of Jobs on a Single Machine. <i>Operations Research</i> , 1995, 43, 692-703.	1.9	330
4	A Multiple-Criterion Model for Machine Scheduling. <i>Journal of Scheduling</i> , 2003, 6, 7-16.	1.9	303
5	The Effect of Commonality on Safety Stock in a Simple Inventory Model. <i>Management Science</i> , 1986, 32, 982-988.	4.1	248
6	Dynamic Programming Solution of Sequencing Problems with Precedence Constraints. <i>Operations Research</i> , 1978, 26, 444-449.	1.9	218
7	AN EXPERIMENTAL STUDY OF THE EFFECTIVENESS OF ROLLING SCHEDULES IN PRODUCTION PLANNING. <i>Decision Sciences</i> , 1977, 8, 19-27.	4.5	200
8	Workforce Allocation in Cyclical Scheduling Problems: A Survey. <i>Journal of the Operational Research Society</i> , 1976, 27, 155-167.	3.4	181
9	A dynamic priority rule for scheduling against due-dates. <i>Journal of Operations Management</i> , 1982, 3, 37-42.	5.2	180
10	Job shop scheduling with modified due dates. <i>Journal of Operations Management</i> , 1983, 4, 11-22.	5.2	161
11	Basic Techniques for Lot Streaming. <i>Operations Research</i> , 1993, 41, 1065-1076.	1.9	156
12	Sequencing with due-dates and early start times to minimize maximum tardiness. <i>Naval Research Logistics Quarterly</i> , 1974, 21, 171-176.	0.4	127
13	An investigation of due-date assignment rules with constrained tightness. <i>Journal of Operations Management</i> , 1981, 1, 109-120.	5.2	110
14	A critical review of the literature on spreadsheet errors. <i>Decision Support Systems</i> , 2008, 46, 128-138.	5.9	106
15	An Analytic Framework for Evaluating Rolling Schedules. <i>Management Science</i> , 1979, 25, 341-351.	4.1	101
16	Modeling activity times by the Parkinson distribution with a lognormal core: Theory and validation. <i>European Journal of Operational Research</i> , 2012, 216, 386-396.	5.7	85
17	PERT 21: Fitting PERT/CPM for use in the 21st century. <i>International Journal of Project Management</i> , 2012, 30, 490-502.	5.6	79
18	Solution Procedures for the Lot-Streaming Problem. <i>Decision Sciences</i> , 1990, 21, 475-491.	4.5	75

#	ARTICLE	IF	CITATIONS
19	The effects of input control in a simple scheduling model. Journal of Operations Management, 1984, 4, 99-112.	5.2	73
20	Scheduling The Production Of Components At A Common Facility. IIE Transactions, 1988, 20, 32-35.	2.1	60
21	An experimental comparison of solution algorithms for the single-machine tardiness problem. Naval Research Logistics Quarterly, 1974, 21, 187-199.	0.4	52
22	Lot streaming in the two-machine flow shop with setup times. Annals of Operations Research, 1995, 57, 1-11.	4.1	49
23	Heuristic solution methods for the stochastic flow shop problem. European Journal of Operational Research, 2012, 216, 172-177.	5.7	41
24	Scheduling with parallel processors and linear delay costs. Naval Research Logistics Quarterly, 1973, 20, 793-804.	0.4	38
25	Chapter 11 Requirements planning. Handbooks in Operations Research and Management Science, 1993, 4, 571-627.	0.6	37
26	Errors in Operational Spreadsheets. Journal of Organizational and End User Computing, 2009, 21, 24-36.	2.9	37
27	Minimizing earliness and tardiness costs in stochastic scheduling. European Journal of Operational Research, 2014, 236, 445-452.	5.7	37
28	Solving the single-machine sequencing problem using integer programming. Computers and Industrial Engineering, 2010, 59, 730-735.	6.3	36
29	Optimal Allocation of Work in Assembly Systems. Management Science, 1993, 39, 101-106.	4.1	35
30	Impact of errors in operational spreadsheets. Decision Support Systems, 2009, 47, 126-132.	5.9	35
31	Staff Scheduling with Day-Off and Workstretch Constraints. A I E Transactions, 1979, 11, 286-292.	0.3	30
32	A comparison of spreadsheet users with different levels of experience. Omega, 2009, 37, 579-590.	5.9	29
33	Heuristic procedures for scheduling job families with setups and due dates. Naval Research Logistics, 1999, 46, 978-991.	2.2	27
34	Safe scheduling: Setting due dates in single-machine problems. European Journal of Operational Research, 2009, 196, 69-77.	5.7	27
35	Minimizing maximum lateness with job families. European Journal of Operational Research, 2000, 127, 126-139.	5.7	25
36	Three heuristic procedures for the stochastic, two-machine flow shop problem. Journal of Scheduling, 2011, 14, 445-454.	1.9	25

#	ARTICLE	IF	CITATIONS
37	An Optimal Contact Model for Maximizing Online Panel Response Rates. <i>Management Science</i> , 2009, 55, 727-737.	4.1	23
38	A predictive model for the throughput of simple assembly systems. <i>European Journal of Operational Research</i> , 1995, 81, 336-345.	5.7	20
39	An auditing protocol for spreadsheet models. <i>Information and Management</i> , 2008, 45, 312-320.	6.5	20
40	Sequencing independent jobs with a single resource. <i>Naval Research Logistics Quarterly</i> , 1980, 27, 499-510.	0.4	19
41	Improved decision rules in a combined system for minimizing job tardiness. <i>International Journal of Production Research</i> , 1984, 22, 917-921.	7.5	19
42	The dynamics of hedging the master schedule. <i>International Journal of Production Research</i> , 1986, 24, 1475-1483.	7.5	19
43	Minimizing the number of tardy jobs with stochastically-ordered processing times. <i>Journal of Scheduling</i> , 2008, 11, 71-73.	1.9	19
44	Technical note The performance of push and pull systems: a corrected analysis. <i>International Journal of Production Research</i> , 1990, 28, 1731-1736.	7.5	17
45	Scheduling Full-Time and Part-Time Staff to Meet Cyclic Requirements. <i>Journal of the Operational Research Society</i> , 1974, 25, 65-76.	3.4	13
46	An analysis of terminal conditions in rolling schedules. <i>European Journal of Operational Research</i> , 1981, 7, 355-361.	5.7	11
47	Computational results for the flowshop tardiness problem. <i>Computers and Industrial Engineering</i> , 2013, 64, 812-816.	6.3	11
48	Setting optimal due dates in a basic safe-scheduling model. <i>Computers and Operations Research</i> , 2014, 41, 109-114.	4.0	11
49	Tightly-coupled production systems: Models, analysis, and insights. <i>Journal of Manufacturing Systems</i> , 1992, 11, 385-400.	13.9	10
50	A PREDICTIVE MODEL FOR THE THROUGHPUT OF UNBALANCED, UNBUFFERED THREE-STATION SERIAL LINES. <i>IIE Transactions</i> , 1994, 26, 62-71.	2.1	10
51	Computational Experience with a Sequencing Algorithm Adapted to the Tardiness Problem. <i>A I I E Transactions</i> , 1977, 9, 32-35.	0.3	9
52	Solving sequencing problems in spreadsheets. <i>International Journal of Planning and Scheduling</i> , 2011, 1, 3.	0.1	9
53	Trading off due-date tightness and job tardiness in a basic scheduling model. <i>Journal of Scheduling</i> , 2015, 18, 305-309.	1.9	3
54	Safe Scheduling. , 2007, , 79-101.		1

#	ARTICLE	IF	CITATIONS
55	Errors in Operational Spreadsheets. , 2011, , 236-247.		0