Michael Pinedo

List of Publications by Year
in descending order

130 papers	3,902 citations	136940 32 h-index	149686 56 g-index
136 all docs	136 docs citations	136 times ranked	1800 citing authors

#	Article	IF	Citations
1	On the optimality of the earliest due date rule in stochastic scheduling and in queueing. European Journal of Operational Research, 2022, 298, 202-212.	5.7	2
2	New algorithms for minimizing the weighted number of tardy jobs on a single machine. Annals of Operations Research, 2021, 298, 271-287.	4.1	17
3	A combinatorial Benders decomposition algorithm for parallel machine scheduling with working-time restrictions. European Journal of Operational Research, 2021, 291, 128-146.	5.7	12
4	Ideal schedules in parallel machine settings. European Journal of Operational Research, 2021, 290, 422-434.	5.7	6
5	Frontiers in Service Science: Fintech Operations—An Overview of Recent Developments and Future Research Directions. Service Science, 2021, 13, 19-35.	1.3	14
6	Flow shops with reentry: Reversibility properties and makespan optimal schedules. European Journal of Operational Research, 2020, 282, 478-490.	5.7	11
7	An optimization-based speed-control method for high frequency buses serving curbside stops. Transportation Research Part C: Emerging Technologies, 2020, 121, 102860.	7.6	10
8	Operational Risk Management: A Stochastic Control Framework with Preventive and Corrective Controls. Operations Research, 2020, 68, 1804-1825.	1.9	10
9	Parameterized Multi-Scenario Single-Machine Scheduling Problems. Algorithmica, 2020, 82, 2644-2667.	1.3	10
10	Journal of scheduling (2020). Journal of Scheduling, 2020, 23, 1-2.	1.9	0
11	Online scheduling of ordered flow shops. European Journal of Operational Research, 2019, 272, 50-60.	5.7	19
12	On the parameterized tractability of single machine scheduling with rejection. European Journal of Operational Research, 2019, 273, 67-73.	5.7	24
13	Performance Analysis of Overtaking Maneuvers at Bus Stops with Tandem Berths. Transportation Science, 2019, 53, 597-618.	4.4	11
14	Scheduling Elective Surgeries with Emergency Patients at Shared Operating Rooms. Production and Operations Management, 2019, 28, 1407-1430.	3.8	39
15	Throughput Optimization in Circular Dual‐Gripper Robotic Cells. Production and Operations Management, 2018, 27, 285-303.	3.8	10
16	BUDGET ALLOCATIONS IN OPERATIONAL RISK MANAGEMENT. Probability in the Engineering and Informational Sciences, 2018, 32, 434-459.	0.8	7
17	Scheduling in manufacturing systems: new trends and perspectives. International Journal of Production Research, 2018, 56, 6333-6335.	7.5	11
18	Parallel machine scheduling with eligibility constraints: A composite dispatching rule to minimize total weighted tardiness. Naval Research Logistics, 2017, 64, 249-267.	2.2	14

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19	Operational Risk in Financial Services: A Review and New Research Opportunities. Production and Operations Management, 2017, 26, 426-445.	3.8	27
20	Managing Customer Arrivals in Service Systems with Multiple Identical Servers. Manufacturing and Service Operations Management, 2017, 19, 639-656.	3.7	53
21	Scheduling a single machine with parallel batching to minimize makespan and total rejection cost. Discrete Applied Mathematics, 2016, 204, 150-163.	0.9	17
22	Scheduling in the service industries: An overview. Journal of Systems Science and Systems Engineering, 2015, 24, 1-48.	1.6	43
23	Journal of Scheduling (2015). Journal of Scheduling, 2015, 18, 1-1.	1.9	5
24	Approximations to optimal sequences in single-gripper and dual-gripper robotic cells with circular layouts. IIE Transactions, 2015, 47, 634-652.	2.1	10
25	Personnel scheduling and supplies provisioning in emergency relief operations. Annals of Operations Research, 2015, 235, 487-515.	4.1	43
26	Journal of Scheduling (2014). Journal of Scheduling, 2014, 17, 1-2.	1.9	1
27	Fast approximation algorithms for bi-criteria scheduling with machine assignment costs. European Journal of Operational Research, 2014, 238, 54-64.	5.7	17
28	Appointment Scheduling with No-Shows and Overbooking. Production and Operations Management, 2014, 23, 788-801.	3.8	153
29	Makespan minimization in online scheduling with machine eligibility. Annals of Operations Research, 2013, 204, 189-222.	4.1	28
30	Journal of Scheduling (2013). Journal of Scheduling, 2013, 16, 1-2.	1.9	0
31	The "least flexible job first" rule in scheduling and in queueing. Operations Research Letters, 2013, 41, 618-621.	0.7	7
32	Operations scheduling with multiple resources and transportation considerations. International Journal of Production Research, 2013, 51, 7071-7090.	7.5	27
33	Optimal Production Management When Demand Depends on the Business Cycle. Operations Research, 2013, 61, 1046-1062.	1.9	14
34	The Interrelationships between Processes, Costs, and Risks in Asset Management. , 2013, , 345-353.		0
35	Container Scheduling: Complexity and Algorithms. Production and Operations Management, 2012, 21, 115-128.	3.8	12
36	Bi-criteria scheduling with machine assignment costs. International Journal of Production Economics, 2012, 139, 321-329.	8.9	21

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37	Coordination mechanisms for parallel machine scheduling. European Journal of Operational Research, 2012, 220, 305-313.	5.7	19
38	Production scheduling with history€dependent setup times. Naval Research Logistics, 2012, 59, 58-68.	2.2	5
39	Competitive location under proportional choice: 1-suboptimal points on networks. Decision Making in Manufacturing and Services, 2012, 6, 3.	0.2	0
40	Economic lot scheduling with resources in parallel. International Journal of Production Research, 2011, 49, 2625-2641.	7.5	10
41	Minimizing makespan in an ordered flow shop withÂmachine-dependent processing times. Journal of Combinatorial Optimization, 2011, 22, 797-818.	1.3	12
42	Scheduling jobs with equal processing times subject to machine eligibility constraints. Journal of Scheduling, 2011, 14, 27-38.	1.9	41
43	Robust scheduling on a single machine using time buffers. IIE Transactions, 2011, 43, 383-398.	2.1	18
44	A decomposition scheme for single stage scheduling problems. Journal of Scheduling, 2010, 13, 203-212.	1.9	5
45	Complexity of a scheduling problem with controllable processing times. Operations Research Letters, 2010, 38, 123-126.	0.7	9
46	Scheduling two agents with controllable processing times. European Journal of Operational Research, 2010, 205, 528-539.	5.7	92
47	Flow shops with machine maintenance: Ordered and proportionate cases. European Journal of Operational Research, 2010, 207, 97-104.	5.7	19
48	Complexity of single machine scheduling subject to nonnegative inventory constraints. European Journal of Operational Research, 2010, 207, 605-619.	5.7	40
49	Optimal Control of a Mean-Reverting Inventory. Operations Research, 2010, 58, 1697-1710.	1.9	44
50	Robotic cells with stochastic processing times. IIE Transactions, 2010, 42, 897-914.	2.1	18
51	Competitive Two-Agent Scheduling and Its Applications. Operations Research, 2010, 58, 458-469.	1.9	175
52	Operations in Financial Services€"An Overview. Production and Operations Management, 2010, 19, 633-664.	3.8	46
53	Multiple Part-Type Production in Robotic Cells: Equivalence of Two Real-World Models. Manufacturing and Service Operations Management, 2009, 11, 210-228.	3.7	18
54	A note on graph balancing problems with restrictions. Information Processing Letters, 2009, 110, 24-29.	0.6	15

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55	A note on "An approximation algorithm for the load-balanced semi-matching problem in weighted bipartite graphs". Information Processing Letters, 2009, 109, 608-610.	0.6	4
56	Throughput optimization in dual-gripper interval robotic cells. IIE Transactions, 2009, 42, 1-15.	2.1	42
57	Special Issue ofProduction and Operations Management:The Theory and Practice of Operations Management in China. Production and Operations Management, 2009, 18, 242-242.	3.8	2
58	Editorial 10th anniversary volume (volume 11). Journal of Scheduling, 2008, 11, 1-1.	1.9	2
59	Scheduling orders on either dedicated or flexible machines in parallel to minimize total weighted completion time. Annals of Operations Research, 2008, 159, 107-123.	4.1	24
60	Optimal capacity in a coordinated supply chain. Naval Research Logistics, 2008, 55, 130-141.	2.2	5
61	Scheduling multiple products on parallel machines with setup costs. Naval Research Logistics, 2008, 55, 654-669.	2.2	2
62	Operations in the Service Industries: Introduction to the Special Issue. Production and Operations Management, 2008, 17, 235-237.	3.8	10
63	Robotic cells with parallel machines and multiple dual gripper robots: a comparative overview. IIE Transactions, 2008, 40, 1211-1227.	2.1	38
64	STOCHASTIC BATCH SCHEDULING AND THE "SMALLEST VARIANCE FIRST"RULE. Probability in the Engineering and Informational Sciences, 2007, 21, 579-595.	0.8	8
65	Minimizing total weighted completion time when scheduling orders in a flexible environment with uniform machines. Information Processing Letters, 2007, 103, 119-129.	0.6	23
66	Scheduling orders for multiple product types to minimize total weighted completion time. Discrete Applied Mathematics, 2007, 155, 945-970.	0.9	58
67	Scheduling orders for multiple product types with due date related objectives. European Journal of Operational Research, 2006, 168, 370-389.	5.7	48
68	Approximation algorithms for minimizing total weighted completion time of orders on identical machines in parallel. Naval Research Logistics, 2006, 53, 243-260.	2.2	32
69	Minimizing total completion time on uniform machines with deadline constraints. ACM Transactions on Algorithms, 2006, 2, 95-115.	1.0	7
70	Open shops with jobs overlap––revisited. European Journal of Operational Research, 2005, 163, 569-571.	5.7	20
71	Order Scheduling in an Environment with Dedicated Resources in Parallel. Journal of Scheduling, 2005, 8, 355-386.	1.9	83
72	Order Scheduling Models: An Overview. , 2005, , 37-53.		25

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73	A note on scheduling parallel machines subject to breakdown and repair. Naval Research Logistics, 2004, 51, 60-71.	2.2	17
74	Planning and Scheduling in Supply Chains: An Overview of Issues in Practice. Production and Operations Management, 2004, 13, 77-92.	3.8	155
75	Minimizing Total Completion Time on Parallel Machines with Deadline Constraints. SIAM Journal on Computing, 2003, 32, 1370-1388.	1.0	18
76	PRACTICEâ€FOCUSED RESEARCH ISSUES FOR SCHEDULING SYSTEMS*. Production and Operations Management, 2002, 11, 249-258.	3.8	55
77	Heuristics for minimizing total weighted tardiness in flexible flow shops. Journal of Scheduling, 2000, 3, 89-108.	1.9	39
78	Optimal allocation of resources in a job shop environment. IIE Transactions, 1999, 31, 195-206.	2.1	0
79	Optimal allocation of resources in a job shop environment. IIE Transactions, 1999, 31, 195-206.	2.1	6
80	Title is missing!. IIE Transactions, 1998, 30, 109-118.	2.1	21
81	Minimizing total weighted completion time in a proportionate flow shop. Journal of Scheduling, 1998, 1, 157-168.	1.9	51
82	A computational study of branch and bound techniques for minimizing the total weighted tardiness in job shops. IIE Transactions, 1998, 30, 109-118.	2.1	78
83	Bounds on the Mean Delay in Multiclass Queueing Networks under Shortfall-Based Priority Rules. Probability in the Engineering and Informational Sciences, 1998, 12, 329-350.	0.8	2
84	A heuristic to minimize the total weighted tardiness with sequence-dependent setups. IIE Transactions, 1997, 29, 45-52.	2.1	221
85	Current trends in deterministic scheduling. Annals of Operations Research, 1997, 70, 1-41.	4.1	183
86	On the design and development of object-oriented scheduling systems. Annals of Operations Research, 1997, 70, 359-378.	4.1	20
87	Scheduling jobs on parallel machines with sequence-dependent setup times. European Journal of Operational Research, 1997, 100, 464-474.	5.7	221
88	COMMENTARY ON â€œAN EXPOSITION OF MULTIPLE CONSTRAINT SCHEDULING AS IMPLEMENTED IN THE GOAL SYSTEMâ€. Production and Operations Management, 1997, 6, 25-27.	3.8	8
89	Networks of queues with batch services and customer coalescence. Journal of Applied Probability, 1996, 33, 858-869.	0.7	16
90	A note on minimizing the expected makespan in flowshops subject to breakdowns. Naval Research Logistics, 1995, 42, 1251-1262.	2.2	8

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91	Networks of queues with batch services, signals and product form solutions. Operations Research Letters, 1995, 17, 237-242.	0.7	20
92	On Queueing Networks with Signals and History-Dependent Routing. Probability in the Engineering and Informational Sciences, 1995, 9, 341-354.	0.8	6
93	A Convexity Property of a Markov-Modulated Queueing Loss System. Probability in the Engineering and Informational Sciences, 1995, 9, 193-199.	0.8	1
94	BPSS: A Scheduling Support System for the Packaging Industry. Operations Research, 1993, 41, 641-648.	1.9	67
95	On Generalized Networks of Queues with Positive and Negative Arrivals. Probability in the Engineering and Informational Sciences, 1993, 7, 301-334.	0.8	48
96	On the Minimization of the Makespan Subject to Flowtime Optimality. Operations Research, 1993, 41, 797-801.	1.9	35
97	Integration of disciplines for applied scheduling: a workshop report. Production Planning and Control, 1993, 4, 416-421.	8.8	1
98	On Optimal Permutation Scheduling in Stochastic Proportionate Flowshops. Probability in the Engineering and Informational Sciences, 1992, 6, 513-523.	0.8	0
99	On the optimality of LEPT and $c\mu$ rules for machines in parallel. Journal of Applied Probability, 1992, 29, 667-681.	0.7	13
100	On reversibility of tandem queues with blocking. Naval Research Logistics, 1992, 39, 957-974.	2.2	6
101	Monotonicity results for queues with doubly stochastic Poisson arrivals: Ross's conjecture. Advances in Applied Probability, 1991, 23, 210-228.	0.7	19
102	Scheduling two classes of exponential jobs on parallel processors: structural results and worst-case analysis. Advances in Applied Probability, 1991, 23, 925-944.	0.7	7
103	Bounds and inequalities for single server loss systems. Queueing Systems, 1990, 6, 425-435.	0.9	6
104	Scheduling stochastic jobs with due dates on parallel machines. European Journal of Operational Research, 1990, 47, 49-55.	5.7	39
105	Integration of Discrete-Time Correlated Markov Processes in a TDM System. Probability in the Engineering and Informational Sciences, 1990, 4, 29-56.	0.8	15
106	On the Interchangeability and Stochastic Ordering of Exponential Queues in Tandem with Blocking. Probability in the Engineering and Informational Sciences, 1989, 3, 223-236.	0.8	16
107	A Note on Stochastic Scheduling on a Single Machine Subject to Breakdown and Repair. Probability in the Engineering and Informational Sciences, 1988, 2, 41-49.	0.8	70
108	The "Largest Variance First" Policy in Some Stochastic Scheduling Problems. Operations Research, 1987, 35, 884-891.	1.9	27

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109	On Minimizing the Expected Makespan and Flow Time in Stochastic Flow Shops with Blocking. Mathematics of Operations Research, 1986, 11, 336-342.	1.3	13
110	Inequalities for stochastic flow shops and job shops. Applied Stochastic Models and Data Analysis, 1986, 2, 61-69.	0.4	21
111	Scheduling Jobs with Exponentially Distributed Processing Times and Intree Precedence Constraints on Two Parallel Machines. Operations Research, 1985, 33, 1381-1388.	1.9	21
112	A Note on Stochastic Shop Models in Which Jobs have the Same Processing Requirements on Each Machine. Management Science, 1985, 31, 840-846.	4.1	22
113	Inequalities and bounds for the scheduling of stochastic jobs on parallel machines. Journal of Applied Probability, 1985, 22, 739-744.	0.7	8
114	Optimal policies in stochastic shop scheduling. Annals of Operations Research, 1984, 1, 305-329.	4.1	25
115	A note on the flow time and the number of tardy jobs in stochastic open shops. European Journal of Operational Research, 1984, 18, 81-85.	5.7	11
116	Inequalities and Bounds in Stochastic Shop Scheduling. SIAM Journal on Applied Mathematics, 1984, 44, 869-879.	1.8	15
117	Scheduling Jobs with Exponentially Distributed Processing Times on Two Machines with Resource Constraints. Management Science, 1984, 30, 883-899.	4.1	7
118	Stochastic Scheduling with Release Dates and Due Dates. Operations Research, 1983, 31, 559-572.	1.9	186
119	Minimizing the Expected Makespan in Stochastic Flow Shops. Operations Research, 1982, 30, 148-162.	1.9	112
120	A Comparison Between Tandem Queues with Dependent and Independent Service Times. Operations Research, 1982, 30, 464-479.	1.9	31
121	Minimizing Makespan with Bimodal Processing Time Distributions. Management Science, 1981, 27, 582-586.	4.1	4
122	A note on the two machine job shop with exponential processing times. Naval Research Logistics Quarterly, 1981, 28, 693-696.	0.4	17
123	Scheduling spares with exponential lifetimes in a two-component parallel system. Journal of Applied Probability, 1980, 17, 1025-1032.	0.7	5
124	Scheduling tasks with exponential service times on non-identical processors to minimize various cost functions. Journal of Applied Probability, 1980, 17, 187-202.	0.7	114
125	Scheduling of stochastic tasks on two parallel processors. Naval Research Logistics Quarterly, 1979, 26, 527-535.	0.4	41
126	Operational Risk Management: Preventive vs. Corrective Control. SSRN Electronic Journal, 0, , .	0.4	0

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127	Operational Risk Management: Optimal Incentive Contract. SSRN Electronic Journal, 0, , .	0.4	0
128	On Applications of the Earliest Due Date Rule in Stochastic Scheduling and in Queueing. SSRN Electronic Journal, 0, , .	0.4	0
129	Modeling and data analytics in manufacturing and supply chain operations. Flexible Services and Manufacturing Journal, 0, , 1.	3.4	1
130	A general scheme for solving a large set of scheduling problems with rejection in FPT time. Journal of Scheduling, 0, , 1.	1.9	3