

# Mahmut Parlar

## List of Publications by Year in descending order

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100  
papers

4,478  
citations

136885

32  
h-index

110317

64  
g-index

100  
all docs

100  
docs citations

100  
times ranked

2204  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of maintenance models for multi-unit systems. <i>European Journal of Operational Research</i> , 1991, 51, 1-23.	3.5	570
2	Game theoretic analysis of the substitutable product inventory problem with random demands. <i>Naval Research Logistics</i> , 1988, 35, 397-409.	1.4	294
3	Demand Functions in Decision Modeling: A Comprehensive Survey and Research Directions. <i>Decision Sciences</i> , 2013, 44, 557-609.	3.2	243
4	Inventory models of future supply uncertainty with single and multiple suppliers. <i>Naval Research Logistics</i> , 1996, 43, 191-210.	1.4	188
5	Future supply uncertainty in EOQ models. <i>Naval Research Logistics</i> , 1991, 38, 107-121.	1.4	184
6	Periodic Review Production Models With Variable Yield And Uncertain Demand. <i>IIE Transactions</i> , 1988, 20, 144-150.	2.1	158
7	Pricing and Lead Time Decisions in Decentralized Supply Chains. <i>Management Science</i> , 2007, 53, 713-725.	2.4	152
8	Continuous-review inventory problem with random supply interruptions. <i>European Journal of Operational Research</i> , 1997, 99, 366-385.	3.5	149
9	Game Theoretic Applications in Supply Chain Management: A Review. <i>Infor</i> , 2005, 43, 187-220.	0.5	136
10	An Inventory Problem with Two Randomly Available Suppliers. <i>Operations Research</i> , 1997, 45, 904-918.	1.2	133
11	Diversification under yield randomness in inventory models. <i>European Journal of Operational Research</i> , 1993, 66, 52-64.	3.5	131
12	Allocation of Cost Savings in a Three-Level Supply Chain with Demand Information Sharing: A Cooperative-Game Approach. <i>Operations Research</i> , 2009, 57, 200-213.	1.2	121
13	Yield randomness, cost tradeoffs, and diversification in the EOQ model. <i>Naval Research Logistics</i> , 1990, 37, 341-354.	1.4	117
14	Game-theoretic analyses of decentralized assembly supply chains: Non-cooperative equilibria vs. coordination with cost-sharing contracts. <i>European Journal of Operational Research</i> , 2010, 204, 96-104.	3.5	113
15	DISCOUNTING DECISIONS IN A SUPPLIER-BUYER RELATIONSHIP WITH A LINEAR BUYER'S DEMAND. <i>IIE Transactions</i> , 1994, 26, 34-41.	2.1	109
16	A periodic review inventory model with Markovian supply availability. <i>International Journal of Production Economics</i> , 1995, 42, 131-136.	5.1	99
17	Analysis of a (Q, r, T) inventory policy with deterministic and random yields when future supply is uncertain. <i>European Journal of Operational Research</i> , 1995, 84, 431-443.	3.5	92
18	A three-person game theory model arising in stochastic inventory control theory. <i>European Journal of Operational Research</i> , 1994, 76, 83-97.	3.5	80

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19	Value of a put option to the risk-averse newsvendor. IIE Transactions, 2007, 39, 481-500.	2.1	75
20	Lead-time reduction in a two-level supply chain: Non-cooperative equilibria vs. coordination with a profit-sharing contract. International Journal of Production Economics, 2009, 118, 521-544.	5.1	75
21	Online retailers's promotional pricing, free-shipping threshold, and inventory decisions: A simulation-based analysis. European Journal of Operational Research, 2013, 230, 272-283.	3.5	71
22	Designing a Firm's Coordinated Manufacturing and Supply Decisions with Short Product Life Cycles. Management Science, 1997, 43, 1329-1344.	2.4	63
23	Applications of bulk queues to group testing models with incomplete identification. European Journal of Operational Research, 2007, 183, 226-237.	3.5	62
24	Balancing desirable but conflicting objectives in the newsvendor problem. IIE Transactions, 2003, 35, 131-142.	2.1	56
25	Integrating early sales with production decisions: analysis and insights. IIE Transactions, 1999, 31, 1051-1060.	2.1	54
26	A Single period inventory problem with partially controllable demand. Computers and Operations Research, 1987, 14, 1-9.	2.4	50
27	Coordinating pricing and production decisions in the presence of price competition. European Journal of Operational Research, 2006, 170, 211-227.	3.5	42
28	Dynamic Allocation of Airline Check-In Counters: A Queueing Optimization Approach. Management Science, 2008, 54, 1410-1424.	2.4	42
29	On the EOQ model with inventory-level-dependent demand rate and random yield. Operations Research Letters, 1994, 16, 167-176.	0.5	39
30	Optimal Ordering Policies For A Perishable And Substitutable Product: A Markov Decision Model. Infor, 1985, 23, 182-195.	0.5	36
31	Analytic solution for the nucleolus of a three-player cooperative game. Naval Research Logistics, 2010, 57, 667-672.	1.4	34
32	Static game theory models and their applications in management science. European Journal of Operational Research, 1989, 42, 1-21.	3.5	33
33	Optimal inventory and admission policies for drop-shipping retailers serving in-store and online customers. IIE Transactions, 2011, 43, 332-347.	2.1	33
34	Investing in reducing lead-time randomness in continuous-review inventory models. Engineering Costs and Production Economics, 1991, 21, 191-197.	0.2	32
35	Integrating early sales with production decisions: analysis and insights. IIE Transactions, 1999, 31, 1051-1060.	2.1	28
36	Optimal control and cooperative game theory based analysis of a by-product synergy system. Journal of Cleaner Production, 2019, 233, 731-742.	4.6	27

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37	Free shipping and purchasing decisions in B2B transactions: A game-theoretic analysis. IIE Transactions, 2005, 37, 1119-1128.	2.1	26
38	A stochastic production planning model with a dynamic chance constraint. European Journal of Operational Research, 1985, 20, 255-260.	3.5	23
39	Transfer pricing in a multidivisional firm: A cooperative game analysis. Operations Research Letters, 2012, 40, 364-369.	0.5	23
40	Measurement and optimization of responsiveness in supply chain networks with queueing structures. European Journal of Operational Research, 2018, 264, 106-118.	3.5	23
41	FIFO Versus LIFO Issuing Policies for Stochastic Perishable Inventory Systems. Methodology and Computing in Applied Probability, 2011, 13, 405-417.	0.7	22
42	Probabilistic Analysis of Renewal Cycles: An Application to a Non-Markovian Inventory Problem with Multiple Objectives. Operations Research, 2000, 48, 243-255.	1.2	21
43	Measurement and optimization of supply chain responsiveness. IIE Transactions, 2014, 46, 1-22.	2.1	20
44	Optimal production and maintenance decisions when a system experience age-dependent deterioration. Optimal Control Applications and Methods, 1993, 14, 153-167.	1.3	18
45	Optimal control of a revenue management system with dynamic pricing facing linear demand. Optimal Control Applications and Methods, 2006, 27, 323-347.	1.3	17
46	EXPIM: a knowledge-based expert system for production/inventory modelling. International Journal of Production Research, 1989, 27, 101-118.	4.9	16
47	On manpower planning in the presence of learning. Engineering Costs and Production Economics, 1990, 20, 295-303.	0.2	16
48	Allocating resources to research and development projects in a competitive environment. IIE Transactions, 1999, 31, 827-834.	2.1	16
49	A stochastic inventory problem with piecewise quadratic costs. International Journal of Production Economics, 1992, 26, 327-332.	5.1	14
50	A single-period production model with uncertain output and demand. , 1986, , .		13
51	Specification Limits, Capability Indices, and Process Centering in Assembly Manufacture. Journal of Quality Technology, 1999, 31, 317-325.	1.8	13
52	Managing build-to-order short life-cycle products: benefits of pre-season price incentives with standardization. Journal of Operations Management, 2005, 23, 482-495.	3.3	13
53	Production/Clearing Models Under Continuous and Sporadic Reviews. Methodology and Computing in Applied Probability, 2005, 7, 203-224.	0.7	13
54	Optimal Shopping When the Sales Are on a Markovian Full-Information Best-Choice Problem. Stochastic Models, 2007, 23, 351-371.	0.3	13

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55	Games with incomplete information: A simplified exposition with inventory management applications. International Journal of Production Economics, 2011, 133, 562-577.	5.1	13
56	Optimal dynamic service rate control in time dependent M/M/S/N queues. International Journal of Systems Science, 1984, 15, 107-118.	3.7	12
57	Optimal Keyword Bids in Search-Based Advertising with Stochastic Advertisement Positions. Journal of Optimization Theory and Applications, 2012, 152, 225-244.	0.8	12
58	Dynamic bidding strategies in search-based advertising. Annals of Operations Research, 2013, 211, 103-136.	2.6	12
59	An optimal control problem with piecewise quadratic cost functional containing a "dead-zone". Optimal Control Applications and Methods, 1980, 1, 361-372.	1.3	10
60	Product recall timing optimization using dynamic programming. International Journal of Production Economics, 2019, 210, 1-14.	5.1	10
61	Solving dynamic optimization problems on a personal computer using an electronic spreadsheet. Automatica, 1989, 25, 97-101.	3.0	9
62	Note: Optimality Conditions for an (s, S) Policy with Proportional and Lump-Sum Penalty Costs. Management Science, 2002, 48, 1635-1639.	2.4	9
63	Dynamic analysis of the Newsboy model with early purchase commitments. International Journal of Services and Operations Management, 2005, 1, 56.	0.1	9
64	An efficient dynamic optimization method for sequential identification of group-testable items. IIE Transactions, 2010, 43, 69-83.	2.1	9
65	Impulse control of a brownian inventory system with supplier uncertainty. Stochastic Analysis and Applications, 1993, 11, 11-27.	0.9	8
66	Two-Stage Stochastic Integer Programming Model for Multiperiod Sea Cargo Mix Problem in Container Shipping Industry. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 460-465.	3.4	8
67	On the allocation of exclusive-use counters for airport check-in queues: static vs. dynamic policies. Opsearch, 2013, 50, 433-453.	1.1	8
68	Cooperative game analysis of retail space-exchange problems. European Journal of Operational Research, 2014, 232, 393-404.	3.5	8
69	A problem in jointly optimal production and advertising decisions. International Journal of Systems Science, 1986, 17, 1373-1380.	3.7	7
70	Control of a production system with variable yield and random demand. Computers and Operations Research, 1989, 16, 315-324.	2.4	7
71	Surgical Scheduling with Constrained Patient Waiting Times. Production and Operations Management, 2021, 30, 3253-3271.	2.1	7
72	Optimal forest fire control with limited reinforcements. Optimal Control Applications and Methods, 1983, 4, 185-191.	1.3	6

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73	Optimal Timing to Initiate Medical Treatment for a Disease Evolving as a Semi-Markov Process. Journal of Optimization Theory and Applications, 2017, 175, 194-217.	0.8	6
74	Event-based allocation of airline check-in counters: a simple dynamic optimization method supported by empirical data. International Transactions in Operational Research, 2018, 25, 1553-1582.	1.8	6
75	Is it fake? Using potentially low quality suppliers as back-up when genuine suppliers are unavailable. International Journal of Production Economics, 2019, 213, 185-200.	5.1	6
76	Inventory models of future supply uncertainty with single and multiple suppliers. Naval Research Logistics, 1996, 43, 191-210.	1.4	6
77	Optimal control analysis of a simple criminal prosecution model. Optimal Control Applications and Methods, 1985, 6, 305-312.	1.3	4
78	A continuous-time linear tracking problem with an asymmetric quadratic objective functional containing a cost-free interval.. International Journal of Control, 1985, 41, 1245-1252.	1.2	4
79	Dynamic programming on an electronic spreadsheet. Computers and Industrial Engineering, 1986, 10, 203-213.	3.4	4
80	Optimal parking of idle elevators under myopic and state-dependent policies. European Journal of Operational Research, 2006, 170, 863-886.	3.5	4
81	Optimal design of multi-server Markovian queues with polynomial waiting and service costs. Applied Stochastic Models in Business and Industry, 2014, 30, 429-443.	0.9	4
82	Use of stochastic control theory to model a forest management system. Applied Mathematical Modelling, 1985, 9, 125-130.	2.2	3
83	Allocating resources to research and development projects in a competitive environment. IIE Transactions, 1999, 31, 827-834.	2.1	3
84	Optimal quota allocation for a revenue-maximizing auction holder facing a random number of bidders. International Transactions in Operational Research, 2005, 12, 559-580.	1.8	3
85	Analysis of a simple capacity game. International Transactions in Operational Research, 2012, 19, 435-461.	1.8	3
86	Efficiency of rolling schedules for a class of stochastic control problems. Automatica, 1982, 18, 493-495.	3.0	2
87	Stochastic decision tree analysis on an electronic spreadsheet. Computers and Industrial Engineering, 1990, 18, 225-234.	3.4	2
88	Game-theoretic analysis of an ancient Chinese horse race problem. Computers and Operations Research, 2006, 33, 2033-2055.	2.4	2
89	The Retail Space-Exchange Problem with Pricing and Space Allocation Decisions. Production and Operations Management, 2013, 22, 189-202.	2.1	2
90	A make-to-stock mountain-type inventory model. Annals of Operations Research, 2015, 231, 65-77.	2.6	2

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91	Feedback advertising strategies in a two-firm differential game: a numerical investigation. International Journal of Systems Science: Operations and Logistics, 2020, , 1-12.	2.0	2
92	A review of bricks-and-clicks dual-channels literature: trends and opportunities. Infor, 2022, 60, 436-472.	0.5	2
93	Optimal staffing of a forest fire fighting organization. Canadian Journal of Forest Research, 1984, 14, 589-594.	0.8	1
94	Optimal plant size with variable cost and revenue streams. European Journal of Operational Research, 1989, 43, 78-87.	3.5	1
95	A generalized bootstrap method to determine the yield curve. Applied Mathematical Finance, 2000, 7, 257-270.	0.8	1
96	Stationary and time-dependent policies for the substitute teacher pool problem. Socio-Economic Planning Sciences, 1997, 31, 139-146.	2.5	0
97	Decision Making of Hotel Room Allocation: A Statistic Game. , 2010, , .		0
98	Analysis of a (0, 1) inventory system where demand follows a renewal process. International Journal of Inventory Research, 2011, 1, 262.	0.3	0
99	Optimal Spacing of "Covered" and "Exposed" Time Intervals in a Stochastic Process with High Penalty Costs: Applications to Parking and Insurance. Infor, 2015, 53, 142-154.	0.5	0
100	Modeling and optimization of multilevel marketing operations. Naval Research Logistics, 2022, 69, 581-598.	1.4	0