Konstantin Kogan

List of Publications by Year
in descending order

107	1,091	430874	526287
papers	citations	18 h-index	27 g-index

109	109	109	687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic conformance and design quality in a supply chain: an assessment of contractsâ€™ coordinating power. Annals of Operations Research, 2013, 211, 137-166.	4.1	79
2	Optimal Flow Control in Manufacturing Systems. Applied Optimization, 1998, , .	0.4	37
3	Maximum principle-based methods for production scheduling with partially sequence-dependent setups. International Journal of Production Research, 1997, 35, 2701-2712.	7.5	32
4	Multi-stage newsboy problem: A dynamic model. European Journal of Operational Research, 2003, 149, 448-458.	5.7	32
5	A maximum principle based combined method for scheduling in a flexible manufacturing system. Discrete Event Dynamic Systems: Theory and Applications, 1995, 5, 343-355.	1.5	31
6	Scheduling a two-machine robotic cell: A solvable case. Annals of Operations Research, 1995, 57, 217-232.	4.1	29
7	Containing piracy with product pricing, updating and protection investments. International Journal of Production Economics, 2013, 144, 468-478.	8.9	29
8	A supply chain under limited-time promotion: The effect of customer sensitivity. European Journal of Operational Research, 2008, 188, 273-292.	5.7	28
9	DGAP - The Dynamic Generalized Assignment Problem. Annals of Operations Research, 1997, 69, 227-239.	4.1	26
10	A polynomial algorithm for scheduling small-scale manufacturing cells served by multiple robots. Computers and Operations Research, 1998, 25, 53-62.	4.0	26
11	Risk and quality control in a supply chain: competitive and collaborative approaches. Journal of the Operational Research Society, 2007, 58, 1440-1448.	3.4	25
12	Optimal co-investment in supply chain infrastructure. European Journal of Operational Research, 2009, 192, 265-276.	5.7	24
13	Capacity planning by the dynamic multi-resource generalized assignment problem (DMRGAP). European Journal of Operational Research, 1998, 105, 91-99.	5.7	23
14	An optimal control model for continuous time production and setup scheduling. International Journal of Production Research, 1996, 34, 715-725.	7.5	22
15	An optimal control method for aggregate production planning in large-scale manufacturing systems with capacity expansion and deterioration. Computers and Industrial Engineering, 1995, 28, 851-859.	6.3	21
16	A polynomial algorithm for scheduling small-scale manufacturing cells served by multiple robots. Computers and Operations Research, 1998, 25, 53-62.	4.0	20
17	Necessary optimality conditions for a generalized problem of production scheduling. Optimal Control Applications and Methods, 1994, 15, 215-222.	2.1	18
18	Flowshop Scheduling of Robotic Cells with Job-dependent Transportation and Set-up Effects. Journal of the Operational Research Society, 1995, 46, 1447-1455.	3.4	18

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19	Optimal policies for inventory usage, production and pricing of fashion goods over a selling season. Journal of the Operational Research Society, 2006, 57, 304-315.	3.4	18
20	Second-Hand Markets and Intrasupply Chain Competition. Journal of Retailing, 2011, 87, 489-501.	6.2	18
21	Optimal allocation of inspection effort over a finite planning horizon. IIE Transactions, 2002, 34, 515-527.	2.1	16
22	Risk-averse order policies with random prices in complete market and retailersâ€™ private information. European Journal of Operational Research, 2009, 196, 594-599.	5.7	16
23	Publish or teach? Analysis of the professor's optimal career path. Journal of Economic Dynamics and Control, 2013, 37, 1995-2009.	1.6	16
24	The effect of risk aversion on a supply chain with postponed pricing. Journal of the Operational Research Society, 2014, 65, 1396-1411.	3.4	16
25	Production with learning and forgetting in a competitive environment. International Journal of Production Economics, 2017, 189, 52-62.	8.9	15
26	Balancing facilities in aggregate production planning: Make-to-order and make-to-stock environments. International Journal of Production Research, 1998, 36, 2585-2596.	7.5	13
27	Multi-period aggregate production planning in a news-vendor framework. Journal of the Operational Research Society, 2006, 57, 423-433.	3.4	13
28	Coordination of co-investments in supply chain infrastructure. Journal of Intelligent Manufacturing, 2012, 23, 2471-2475.	7.3	13
29	Transboundary pollution control and environmental absorption efficiency management. Annals of Operations Research, 2020, 287, 653-681.	4.1	13
30	Optimal policies for aggregate production and capacity planning under rapidly changing demand conditions. International Journal of Production Research, 1996, 34, 1929-1941.	7.5	12
31	Infinite horizon production planning with periodic demand: solvable cases and a general numerical approach. IIE Transactions, 2003, 35, 61-71.	2.1	12
32	Vertical pricing competition in supply chains: the effect of production experience and coordination. International Transactions in Operational Research, 2008, 15, 461-479.	2.7	12
33	Enhancing Strategic Supply Decisions by Estimating Suppliers' Marginal Costs. Journal of Supply Chain Management, 2013, 49, 96-107.	10.2	12
34	Sustainable infrastructure investment with labor-only production. International Journal of Production Economics, 2008, 113, 876-886.	8.9	11
35	Learning by doing with spillovers: Strategic complementarity versus strategic substitutability. Automatica, 2016, 67, 282-294.	5.0	11
36	Optimal Finite-Horizon Production Control in a Defect-Prone Environment. IEEE Transactions on Automatic Control, 2004, 49, 1795-1800.	5.7	10

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37	Time-dependent and independent control rules for coordinated production and pricing under demand uncertainty and finite planning horizons. Annals of Operations Research, 2014, 223, 195-216.	4.1	10
38	Scheduling projects with variable-intensity activities: The case of dynamic earliness and tardiness costs. European Journal of Operational Research, 1999, 118, 65-80.	5.7	9
39	A time-decomposition method for sequence-dependent setup scheduling under pressing demand conditions. IEEE Transactions on Automatic Control, 2000, 45, 638-652.	5.7	9
40	Dynamic approach to human resources planning for major professional companies with a peak-wise demand. International Journal of Production Research, 2003, 41, 1255-1271.	7.5	9
41	Production control under uncertainty: Closed-loop versus open-loop approach. IIE Transactions, 2009, 41, 905-915.	2.1	9
42	Inventory Control Over a Short Time Horizon Under Unknown Demand Distribution. IEEE Transactions on Automatic Control, 2016, 61, 3058-3063.	5.7	9
43	Dynamic Generalized Assignment Problems with Stochastic Demands and Multiple Agent–Task Relationships. Journal of Global Optimization, 2005, 31, 17-43.	1.8	8
44	Production under periodic demand update prior to a single selling season: A decomposition approach. European Journal of Operational Research, 2008, 184, 133-146.	5.7	8
45	Water supply and consumption uncertainty: aÂconflict-equilibrium. Annals of Operations Research, 2010, 181, 199-217.	4.1	8
46	Supply Chain With Inventory Review and Dependent Demand Distributions: Dynamic Inventory Outsourcing. IEEE Transactions on Automation Science and Engineering, 2010, 7, 197-207.	5.2	8
47	Competition under industry-stock-driven prevailing market price: Environmental consequences and the effect of uncertainty. European Journal of Operational Research, 2019, 276, 929-946.	5.7	8
48	Equilibrium replenishment in a supply chain with a single distributor and multiple retailers. IMA Journal of Management Mathematics, 2009, 20, 395-409.	1.6	7
49	Commitment-Based Equilibrium Environmental Strategies Under Time-Dependent Absorption Efficiency. Group Decision and Negotiation, 2018, 27, 235-249.	3.3	7
50	Optimal production control: analytical solution for the limit cycles. IIE Transactions, 2002, 34, 363-374.	2.1	6
51	Scheduling one-part-type serial manufacturing system under periodic demand: a solvable case. Computers and Operations Research, 2002, 29, 1195-1206.	4.0	6
52	Parallel-machine, multiple-product-type, continuous-time scheduling: decomposable cases. IIE Transactions, 2002, 34, 11-22.	2.1	6
53	Continuous-Time Replenishment Under Intermittent Observability. IEEE Transactions on Automatic Control, 2010, 55, 1460-1465.	5.7	6
54	Ship-to-order supplies: Contract breachability and the impact of a manufacturer-owned direct channel. European Journal of Operational Research, 2012, 218, 113-123.	5.7	6

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55	Optimal control in homogeneous projects: analytically solvable deterministic cases. IIE Transactions, 2002, 34, 63-75.	2.1	5
56	Scheduling parallel machines by the dynamic newsboy problem. Computers and Operations Research, 2004, 31, 429-443.	4.0	5
57	Autonomous and induced production learning under price and quality competition. Applied Mathematical Modelling, 2019, 67, 74-84.	4.2	5
58	Apportioning limited supplies to competing retailers under panic buying and associated consumer traveling costs. Computers and Industrial Engineering, 2021, 162, 107775.	6.3	5
59	Optimal flow control of flexible manufacturing systems: Setup localization by an iterative procedure. International Journal of Production Economics, 1997, 51, 37-46.	8.9	4
60	Title is missing!. Journal of Global Optimization, 1998, 13, 43-59.	1.8	4
61	Single machine with Wiener increment yield: optimal offline control. IEEE Transactions on Automatic Control, 2005, 50, 1850-1854.	5.7	4
62	Production smoothing by balancing capacity utilization and advance orders. IIE Transactions, 2009, 41, 223-231.	2.1	4
63	Inter-temporal inventory competition and the effects of capacity constraints. International Journal of Production Economics, 2011, 131, 682-688.	8.9	4
64	The Effect of Uncertainty on Production-Inventory Policies With Environmental Considerations. IEEE Transactions on Automatic Control, 2017, 62, 4862-4868.	5.7	4
65	The effect of delivery deviations on the choice of a supplier and the supply-chain equilibrium. Applied Mathematical Modelling, 2018, 62, 368-382.	4.2	4
66	Discounting revisited: evolutionary perspectives on competition and coordination in a supply chain with multiple retailers. Central European Journal of Operations Research, 2019, 27, 69-92.	1.8	4
67	Limited time commitment: Does competition for providing scarce products always improve the supplies?. European Journal of Operational Research, 2021, 288, 408-419.	5.7	4
68	Discrete event control of production flows: Make-to-stock and make-toorder environments. International Journal of Production Research, 1997, 35, 1729-1742.	7.5	3
69	Optimal allocation of inspection effort over a finite planning horizon. IIE Transactions, 2002, 34, 515-527.	2.1	3
70	Optimal control in homogeneous projects: analytically solvable deterministic cases. IIE Transactions, 2002, 34, 63-75.	2.1	3
71	A Generalized Two-Agent Location Problem: Asymmetric Dynamics and Coordination. Journal of Optimization Theory and Applications, 2011, 148, 336-363.	1.5	3
72	On Optimality of a Class of Dynamic Myopic Policies for Continuous-Time Replenishment with Periodic Updates. Journal of Optimization Theory and Applications, 2011, 151, 191-209.	1.5	3

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73	Healthcare supply chain operations: Why are doctors reluctant to consolidate?. Operations Research for Health Care, 2014, 3, 101-115.	1.2	3
74	Retailing and long-term environmental concerns: The impact of inventory and pricing competition. Journal of the Operational Research Society, 2020, 71, 647-659.	3.4	3
75	Scheduling concurrent production over a finite planning horizon: polynomially solvable cases. Computers and Operations Research, 2000, 27, 1409-1419.	4.0	2
76	Optimal Scheduling in Parallel and Serial Manufacturing Systems via the Maximum Principle. Journal of Global Optimization, 2000, 16, 271-294.	1.8	2
77	One-machine, Af-product-type, continuous-time scheduling with a common due date: a polynomially solvable case. IIE Transactions, 2001, 33, 1-10.	2.1	2
78	Optimal production control: analytical solution for the limit cycles. IIE Transactions, 2002, 34, 363-374.	2.1	2
79	Unbounded knapsack problem with controllable rates: the case of a random demand for items. Journal of the Operational Research Society, 2003, 54, 594-604.	3.4	2
80	Optimal scheduling of parallel machines with constrained resources. European Journal of Operational Research, 2006, 170, 771-787.	5.7	2
81	Pricing competition with inventory considerations in a hazard rate-prone market of durables. Journal of Economic Dynamics and Control, 2016, 73, 298-313.	1.6	2
82	Direct marketing of an event under hazards of customer saturation and forgetting. Annals of Operations Research, 2020, 295, 207-227.	4.1	2
83	False quality claims: Prevention and supply chain implications. Journal of the Operational Research Society, 2020, , 1-11.	3.4	2
84	Production flow control in a cell with groups of identical machines. IIE Transactions, 2000, 32, 599-611.	2.1	1
85	Continuous-Time Models For Production Scheduling In Constrained Subcontracting Conditions. Infor, 2000, 38, 113-125.	0.6	1
86	Optimal control of a resource-sharing multiprocessor with periodic maintenance. IEEE Transactions on Automatic Control, 2002, 47, 1342-1346.	5.7	1
87	Optimal sampling policies in a centralised supply chain with demands affected by product quality. International Journal of Management and Network Economics, 2009, 1, 423.	0.3	1
88	Supplier-led outsourcing: an intertemporal hierarchical framework. IMA Journal of Management Mathematics, 2011, 22, 79-98.	1.6	1
89	Manufacturing under uncertainty: offsetting the inability to instantaneously adjust production with dynamic pricing. IIE Transactions, 2012, 44, 419-430.	2.1	1
90	Scheduling Under Common Due Date, A Single Resource and Precedence Constraintsâ€"A Dynamic Approach. Discrete Event Dynamic Systems: Theory and Applications, 1998, 8, 353-364.	1.5	0

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91	A continuous-time integrated model for discrete control of production flows in a multi-level bills of material environment. International Transactions in Operational Research, 1999, 6, 263-273.	2.7	0
92	Optimal control of assembling complexes underpredetermined maintenance conditions. Annals of Operations Research, 1999, 91, 49-62.	4.1	0
93	Production flow control in a cell with groups of identical machines. IIE Transactions, 2000, 32, 599-611.	2.1	0
94	Title is missing!. IIE Transactions, 2001, 33, 1-10.	2.1	0
95	A combinatorial approach to a class of parallel-machine, continuous-time scheduling problems. IIE Transactions, 2002, 34, 223-231.	2.1	0
96	A combinatorial approach to a class of parallel-machine, continuous-time scheduling problems. IIE Transactions, 2002, 34, 223-231.	2.1	0
97	Optimal Control of a Failure-Prone Machine Under Random Demand. IEEE Transactions on Automatic Control, 2006, 51, 900-905.	5.7	0
98	Dynamic zigzag pricing of resalable goods with no depreciation and intergroup externalities. Journal of the Operational Research Society, 2006, 57, 1353-1365.	3.4	0
99	INVESTMENT AND SUPPLY CHAIN INFRASTRUCTURE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 659-664.	0.4	0
100	TRANSSHIPMENTS IN HAZARDOUS ENVIRONMENTS: COOPERATIVE VERSUS NONCOOPERATIVE QUALITY CONTROL GAME. International Game Theory Review, 2013, 15, 1350001.	0.5	0
101	Wealth and strategic financial consumption pricing. Risk and Decision Analysis, 2017, 6, 187-191.	0.4	0
102	Mertonâ€™s financial multi-agent consumption. Risk and Decision Analysis, 2018, 7, 107-117.	0.4	0
103	Part-time practice in healthcare: Impact on operational versus medical performance. Health Marketing Quarterly, 2018, 35, 85-99.	1.0	0
104	Dynamic Coordination of Multiple Agents in a Class of Differential Games Through a Generalized Linear Reward Scheme. Profiles in Operations Research, 2014, , 183-201.	0.4	0
105	One-Item Single-Facility Aggregate Production Planning Problems. Applied Optimization, 1998, , 59-84.	0.4	0
106	Necessary Optimality Conditions for Scheduling Problems. Applied Optimization, 1998, , 139-206.	0.4	0
107	Production Control in a Competitive Environment with Incomplete Information. AIRO Springer Series, 2018, , 321-329.	0.6	0