Thomas W Archibald

List of Publications by Year
in descending order

38	841	516561 16	501076 28
papers	citations	h-index	g-index

38	38	38	574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Optimal Policy for a Two Depot Inventory Problem with Stock Transfer. Management Science, 1997, 43, 173-183.	2.4	115
2	An aggregate stochastic dynamic programming model of multireservoir systems. Water Resources Research, 1997, 33, 333-340.	1.7	97
3	Should Start-up Companies Be Cautious? Inventory Policies Which Maximise Survival Probabilities. Management Science, 2002, 48, 1161-1174.	2.4	88
4	Optimal extended warranty strategy: Offering trade-in service or not?. European Journal of Operational Research, 2019, 278, 240-254.	3.5	51
5	Modelling replenishment and transshipment decisions in periodic review multilocation inventory systems. Journal of the Operational Research Society, 2007, 58, 948-956.	2.1	43
6	Nested Benders decomposition and dynamic programming for reservoir optimisation. Journal of the Operational Research Society, 1999, 50, 468-479.	2.1	39
7	An index heuristic for transshipment decisions in multi-location inventory systems based on a pairwise decomposition. European Journal of Operational Research, 2009, 192, 69-78.	3.5	37
8	An inventory model of a deteriorating product considering carbon emissions. Computers and Industrial Engineering, 2020, 148, 106694.	3.4	36
9	Review of Mathematical Programming Applications in Water Resource Management Under Uncertainty. Environmental Modeling and Assessment, 2018, 23, 753-777.	1.2	34
10	Modeling the operation of multireservoir systems using decomposition and stochastic dynamic programming. Naval Research Logistics, 2006, 53, 217-225.	1.4	33
11	Modified block-replacement for multiple-component systems. IEEE Transactions on Reliability, 1996, 45, 75-83.	3.5	30
12	Indexability and Index Heuristics for a Simple Class of Inventory Routing Problems. Operations Research, 2009, 57, 314-326.	1.2	27
13	Whether to adopt â€œbuy online and return to storeâ€•strategy in a competitive market?. European Journal of Operational Research, 2022, 301, 974-986.	3.5	27
14	Benefits of Hybrid Lateral Transshipments in Multiâ€‐Item Inventory Systems under Periodic Replenishment. Production and Operations Management, 2015, 24, 311-324.	2.1	25
15	Controlling multi-reservoir systems. European Journal of Operational Research, 2001, 129, 619-626.	3.5	17
16	The use of simple calibrations of individual locations in making transshipment decisions in a multi-location inventory network. Journal of the Operational Research Society, 2010, 61, 294-305.	2.1	16
17	Analysing maintenance data to gain insight into systems performance. Journal of the Operational Research Society, 2003, 54, 343-349.	2.1	15
18	Substitution in a Hybrid Remanufacturing System. Procedia CIRP, 2015, 26, 583-588.	1.0	11

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19	Lot-sizing for a product recovery system with quality-dependent recovery channels. Computers and Industrial Engineering, 2018, 123, 134-147.	3.4	11
20	Investment and operational decisions for start-up companies: a game theory and Markov decision process approach. Annals of Operations Research, 2021, 299, 317-330.	2.6	11
21	Keep or return? Managing ordering and return policies in start-up companies. European Journal of Operational Research, 2007, 179, 97-113.	3.5	10
22	Serial and parallel value iteration algorithms for discounted Markov decision processes. European Journal of Operational Research, 1993, 67, 188-203.	3.5	9
23	The elixir of life: using a maintenance, repair and replacement model based on virtual and operating age in the water industry. IMA Journal of Management Mathematics, 2004, 15, 151-160.	1.1	9
24	Assessing the maintenance in a process using a semi-parametric approach. Quality and Reliability Engineering International, 2001, 17, 163-167.	1.4	8
25	A semi-Markov model with holdout transshipment policy and phase-type exponential lead time. European Journal of Operational Research, 2011, 211, 650-657.	3.5	8
26	Loans, ordering and shortage costs in start-ups: a dynamic stochastic decision approach. Journal of the Operational Research Society, 2003, 54, 539-548.	2.1	6
27	Managing inventory and production capacity in start-up firms. Journal of the Operational Research Society, 2015, 66, 1624-1634.	2.1	6
28	Stochastic Inventory Control: A Literature Review. IFAC-PapersOnLine, 2019, 52, 1490-1495.	0.5	6
29	On the Generation of Markov Decision Processes. Journal of the Operational Research Society, 1995, 46, 354.	2.1	5
30	Competition between incumbents and copycats under conspicuous consumption when consumers are strategic. Journal of the Operational Research Society, 2022, 73, 1033-1052.	2.1	3
31	Differential game model of cooperative advertising in a supply chain with deteriorating items, competing retailers and reference price effects. Enterprise Information Systems, 2023, 17, .	3.3	3
32	How useful is commonality? Inventory and production decisions to maximize survival probability in start-ups. IMA Journal of Management Mathematics, 2003, 14, 305-320.	1.1	2
33	Lyn Thomas 1946â€“2016. European Journal of Operational Research, 2017, 257, 353-354.	3.5	2
34	Life and Decay. IMA Journal of Management Mathematics, 1998, 9, 393-401.	1.1	1
35	A portfolio of purchase contractsâ€”an example of solving large-scale dynamic programming on parallel computers. IMA Journal of Management Mathematics, 1995, 6, 193-204.	1.1	0
36	Constrained-cost maintenance and measurability of degradation. IMA Journal of Management Mathematics, 1998, 9, 211-221.	1.1	0

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37	Minimising bins in transmission systems. European Journal of Operational Research, 1999, 115, 380-391.	3.5	0
38	Approximations for non-stationary stochastic lot-sizing under (s,Q)-type policy. European Journal of Operational Research, 2021, 298, 573-573.	3.5	0