Rommert Dekker

List of Publications by Citations

149 papers	8,815 citations	44 h-index	91 g-index
160 ext. papers	10,060 ext. citations	4.3 avg, IF	6.33 L-index

#	Paper	IF	Citations
149	Quantitative models for reverse logistics: A review. *European Journal of Operational Research*, **1997**, 103, 1-17	5.6	1235
148	Applications of maintenance optimization models: a review and analysis. *Reliability Engineering and System Safety*, **1996**, 51, 229-240	6.3	546
147	Operations Research for green logistics An overview of aspects, issues, contributions and challenges. *European Journal of Operational Research*, **2012**, 219, 671-679	5.6	525
146	A characterisation of logistics networks for product recovery. *Omega*, **2000**, 28, 653-666	7.2	489
145	A two-level network for recycling sand: A case study. *European Journal of Operational Research*, **1998**, 110, 199-214	5.6	311
144	A comparison of two techniques for bibliometric mapping: Multidimensional scaling and VOS. *Journal of the Association for Information Science and Technology*, **2010**, 61, 2405-2416		309
143	A review of multi-component maintenance models with economic dependence. *Mathematical Methods of Operations Research*, **1997**, 45, 411-435	1	299
142	A stochastic approach to a case study for product recovery network design. *European Journal of Operational Research*, **2005**, 160, 268-287	5.6	270
141	Inventory Control in Hybrid Systems with Remanufacturing. *Management Science*, **1999**, 45, 733-747	3.9	245
140	Advanced methods for container stacking. *OR Spectrum*, **2006**, 28, 563-586	1.9	146
139	Optimal Maintenance of Multi-component Systems: A Review **2008**, 263-286		137
138	Stochastic improvement of cyclic railway timetables. *Transportation Research Part B: Methodological*, **2008**, 42, 553-570	7.2	131
137	Scheduling preventive railway maintenance activities. *Journal of the Operational Research Society*, **2006**, 57, 1035-1044	2	129
136	Return handling options and order quantities for single period products. *European Journal of Operational Research*, **2003**, 151, 38-52	5.6	121
135	A dynamic policy for grouping maintenance activities. *European Journal of Operational Research*, **1997**, 99, 530-551	5.6	120
134	Controlling inventories with stochastic item returns: A basic model. *European Journal of Operational Research*, **2002**, 138, 63-75	5.6	120
133	An investigation of lead-time effects in manufacturing/remanufacturing systems under simple PUSH and PULL control strategies. *European Journal of Operational Research*, **1999**, 115, 195-214	5.6	113

132	An inventory control system for spare parts at a refinery: An empirical comparison of different re-order point methods. *European Journal of Operational Research*, **2008**, 184, 101-132	5.6	112
131	On the impact of optimisation models in maintenance decision making: the state of the art. *Reliability Engineering and System Safety*, **1998**, 60, 111-119	6.3	105
130	Reliability and heterogeneity of railway services. *European Journal of Operational Research*, **2006**, 172, 647-665	5.6	105
129	The impact of greening on supply chain design and cost: a case for a developing region. *Journal of Transport Geography*, **2012**, 22, 118-128	5.2	96
128	Product remanufacturing and disposal: A numerical comparison of alternative control strategies. *International Journal of Production Economics*, **1996**, 45, 489-498	9.3	84
127	Inventory rationing in an (s, Q) inventory model with lost sales and two demand classes. *Journal of the Operational Research Society*, **2000**, 51, 111-122	2	78
126	An (s, Q) inventory model with remanufacturing and disposal. *International Journal of Production Economics*, **1996**, 46-47, 339-350	9.3	78
125	A comparison of models for measurable deterioration: An application to coatings on steel structures. *Reliability Engineering and System Safety*, **2007**, 92, 1635-1650	6.3	76
124	Inventory control of spare parts using a Bayesian approach: A case study. *European Journal of Operational Research*, **2004**, 154, 730-739	5.6	76
123	Literature review: The vaccine supply chain. *European Journal of Operational Research*, **2018**, 268, 174-192	5.6	71
122	Cross-Border Electronic Commerce: Distance Effects and Express Delivery in European Union Markets. *International Journal of Electronic Commerce*, **2017**, 21, 184-218	5.4	67
121	On the (S 1, S) lost sales inventory model with priority demand classes. *Naval Research Logistics*, **2002**, 49, 593-610	1.5	67
120	Integrating optimisation, priority setting, planning and combining of maintenance activities. *European Journal of Operational Research*, **1995**, 82, 225-240	5.6	67
119	. *IEEE Transactions on Reliability*, **1992**, 41, 427-432	4.6	66
118	Online rules for container stacking. *OR Spectrum*, **2010**, 32, 687-716	1.9	63
117	On the use of installed base information for spare parts logistics: A review of ideas and industry practice. *International Journal of Production Economics*, **2013**, 143, 536-545	9.3	62
116	A Scenario Aggregation Based Approach for Determining a Robust Airline Fleet Composition for Dynamic Capacity Allocation. *Transportation Science*, **2005**, 39, 367-382	4.4	59
115	Evaluating impact of truck announcements on container stacking efficiency. *Flexible Services and Manufacturing Journal*, **2013**, 25, 543-556	1.8	58

114	Methods for strategic liner shipping network design. *European Journal of Operational Research*, **2014**, 235, 367-377	5.6	56
113	An efficient optimal solution method for the joint replenishment problem. *European Journal of Operational Research*, **1997**, 99, 433-444	5.6	56
112	Comparing transportation systems for inter-terminal transport at the Maasvlakte container terminals. *OR Spectrum*, **2006**, 28, 469-493	1.9	56
111	Opportunity-based age replacement: Exponentially distributed times between opportunities. *Naval Research Logistics*, **1992**, 39, 175-190	1.5	55
110	Improving Order-Picking Response Time at Ankor's Warehouse. *Interfaces*, **2004**, 34, 303-313	0.7	54
109	Opportunity-based block replacement. *European Journal of Operational Research*, **1991**, 53, 46-63	5.6	53
108	Supervised and Unsupervised Aspect Category Detection for Sentiment Analysis with Co-occurrence Data. *IEEE Transactions on Cybernetics*, **2018**, 48, 1263-1275	10.2	51
107	Modelling product returns in inventory control□exploring the validity of general assumptions. *International Journal of Production Economics*, **2003**, 81-82, 225-241	9.3	51
106	Modelling and optimizing imperfect maintenance of coatings on steel structures. *Structural Safety*, **2009**, 31, 234-244	4.9	47
105	. *IEEE Transactions on Reliability*, **1990**, 39, 71-75	4.6	44
104	Average, Sensitive and Blackwell Optimal Policies in Denumerable Markov Decision Chains with Unbounded Rewards. *Mathematics of Operations Research*, **1988**, 13, 395-420	1.5	44
103	Real-time container transport planning with decision trees based on offline obtained optimal solutions. *Decision Support Systems*, **2016**, 89, 1-16	5.6	42
102	Closed-loop supply chains of reusable articles: a typology grounded on case studies. *International Journal of Production Research*, **2012**, 50, 5582-5596	7.8	42
101	An efficient optimal solution method for the joint replenishment problem with minimum order quantities. *European Journal of Operational Research*, **2006**, 174, 1595-1615	5.6	39
100	Service network design for an intermodal container network with flexible transit times and the possibility of using subcontracted transport. *International Journal of Shipping and Transport Logistics*, **2015**, 7, 457	1	38
99	Spare parts stock control for redundant systems using reliability centered maintenance data. *Reliability Engineering and System Safety*, **2011**, 96, 1576-1586	6.3	38
98	Inventory control policies for inspection and remanufacturing of returns: A case study. *International Journal of Production Economics*, **2010**, 125, 300-312	9.3	36
97	A useful framework for optimal replacement models. *Reliability Engineering and System Safety*, **1997**, 58, 61-67	6.3	35

96	Design and planning for green global supply chains under periodic review replenishment policies. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 72, 210-235	9	34
95	A chassis exchange terminal to reduce truck congestion at container terminals. *Flexible Services and Manufacturing Journal*, **2013**, 25, 528-542	1.8	34
94	Evaluation of multi-objective optimization approaches for solving green supply chain design problems. *Omega*, **2017**, 68, 168-184	7.2	34
93	Preventive maintenance in a 1 out of n system: The uptime, downtime and costs. *European Journal of Operational Research*, **1997**, 99, 565-583	5.6	34
92	Joint replacement in an operational planning phase. *European Journal of Operational Research*, **1996**, 91, 74-88	5.6	34
91	Spare part demand forecasting for consumer goods using installed base information. *Computers and Industrial Engineering*, **2017**, 103, 201-215	6.4	33
90	Synchromodal Container Transportation: An Overview of Current Topics and Research Opportunities. *Lecture Notes in Computer Science*, **2015**, 386-397	0.9	33
89	Dose-Optimal Vaccine Allocation over Multiple Populations. *Production and Operations Management*, **2018**, 27, 143-159	3.6	30
88	Rescheduling in passenger railways: the rolling stock rebalancing problem. *Journal of Scheduling*, **2010**, 13, 281-297	1.6	30
87	Marginal cost criteria for preventive replacement of a group of components. *European Journal of Operational Research*, **1995**, 84, 467-480	5.6	30
86	Preventive maintenance at opportunities of restricted duration. *Naval Research Logistics*, **1994**, 41, 335-353	1.5	30
85	Cyclic Railway Timetabling: A Stochastic Optimization Approach **2007**, 41-66		28
84	On the Relation Between Recurrence and Ergodicity Properties in Denumerable Markov Decision Chains. *Mathematics of Operations Research*, **1994**, 19, 539-559	1.5	27
83	End-of-Life Inventory Decisions for Consumer Electronics Service Parts. *Production and Operations Management*, **2012**, 21, 889-906	3.6	26
82	An Overview of Inventory Systems with Several Demand Classes. *Lecture Notes in Economics and Mathematical Systems*, **1999**, 253-265	0.4	26
81	Improving spare parts inventory control at a repair shop. *Omega*, **2015**, 57, 217-229	7.2	25
80	A solution method for the joint replenishment problem with correction factor. *International Journal of Production Economics*, **2008**, 113, 834-851	9.3	25
79	. *IEEE Transactions on Reliability*, **1995**, 44, 505-511	4.6	25

78	Recurrence Conditions for Average and Blackwell Optimality in Denumerable State Markov Decision Chains. *Mathematics of Operations Research*, **1992**, 17, 271-289	1.5	25
77	Impact and relevance of transit disturbances on planning in intermodal container networks using disturbance cost analysis. *Maritime Economics and Logistics*, **2015**, 17, 440-463	2.6	24
76	Maintenance and Production: A Review of Planning Models **2008**, 321-344		24
75	Reverse Logistics: A Review of Case Studies. *Lecture Notes in Economics and Mathematical Systems*, **2005**, 243-281	0.4	24
74	An improved method for forecasting spare parts demand using extreme value theory. *European Journal of Operational Research*, **2017**, 261, 169-181	5.6	23
73	Service parts inventory control with lateral transshipment and pipeline stockflexibility. *International Journal of Production Economics*, **2013**, 142, 278-289	9.3	23
72	Spare parts inventory control based on maintenance planning. *Reliability Engineering and System Safety*, **2020**, 193, 106600	6.3	23
71	Advanced methods for container stacking **2007**, 131-154		22
70	. *IEEE Transactions on Reliability*, **1996**, 45, 75-83	4.6	22
69	An inventory model for slow moving items subject to obsolescence. *European Journal of Operational Research*, **2011**, 213, 83-95	5.6	21
68	Determination of recovery effort for a probabilistic recovery system under various inventory control policies. *Omega*, **2006**, 34, 571-584	7.2	19
67	On the use of operations research models for maintenance decision making. *Microelectronics Reliability*, **1995**, 35, 1321-1331	1.2	19
66	Dynamic influences in multi-component maintenance. *Quality and Reliability Engineering International*, **1997**, 13, 199-207	2.6	18
65	Using imperfect advance demand information in lost-sales inventory systems with the option of returning inventory. *IISE Transactions*, **2018**, 50, 246-264	3.3	18
64	The impact of slow steaming on the carriers and shippers costs: The case of a global logistics network. *Transportation Research, Part E: Logistics and Transportation Review*, **2018**, 111, 18-39	9	17
63	Customer differentiated end-of-life inventory problem. *European Journal of Operational Research*, **2012**, 222, 44-53	5.6	17
62	Floating stocks in FMCG supply chains: using intermodal transport to facilitate advance deployment. *International Journal of Physical Distribution and Logistics Management*, **2009**, 39, 632-648	5.2	17
61	The vehicle rescheduling problem. *Computers and Operations Research*, **2014**, 43, 129-136	4.6	16

60	Estimating obsolescence risk from demand data to enhance inventory control—A case study. *International Journal of Production Economics*, **2011**, 133, 423-431	9.3	16
59	More grip on inventory control through improved forecasting: A comparative study at three companies. *International Journal of Production Economics*, **2014**, 157, 220-237	9.3	15
58	Controlling inventories in a supply chain: A case study. *International Journal of Production Economics* , **2005**, 93-94, 179-188	9.3	15
57	Availability assessment methods and their application in practice. *Microelectronics Reliability*, **1995**, 35, 1257-1274	1.2	15
56	Sensitivity-analysis in discounted Markovian decision problems. *OR Spectrum*, **1985**, 7, 143-151	1.9	15
55	Economic modeling using evolutionary algorithms: the effect of a binary encoding of strategies. *Journal of Evolutionary Economics*, **2011**, 21, 737-756	1.9	14
54	The floating stock policy in fast moving consumer goods supply chains. *Transportation Research, Part E: Logistics and Transportation Review*, **2009**, 45, 39-49	9	14
53	The benefits of combining early aspecific vaccination with later specific vaccination. *European Journal of Operational Research*, **2018**, 271, 606-619	5.6	13
52	Cost and environmental trade-offs in supply chain network design and planning: the merit of a simulation-based approach. *Journal of Simulation*, **2017**, 11, 20-29	1.9	13
51	End-of-Life Inventory Problem with Phaseout Returns. *Production and Operations Management*, **2014**, 23, 1561-1576	3.6	13
50	Correlations in uncertainty analysis for medical decision making: an application to heart-valve replacement. *Medical Decision Making*, **1999**, 19, 276-86	2.5	13
49	An efficient algorithm for a generalized joint replenishment problem. *European Journal of Operational Research*, **1999**, 118, 413-428	5.6	12
48	The most efficient critical vaccination coverage and its equivalence with maximizing the herd effect. *Mathematical Biosciences*, **2016**, 282, 68-81	3.9	11
47	The Role of Contract Expirations in Service Parts Management. *Production and Operations Management*, **2015**, 24, 1580-1597	3.6	11
46	The Cargo Fare Class Mix problem for an intermodal corridor: revenue management in synchromodal container transportation. *Flexible Services and Manufacturing Journal*, **2017**, 29, 634-658	1.8	10
45	Designing robust liner shipping schedules: Optimizing recovery actions and buffer times. *European Journal of Operational Research*, **2019**, 272, 132-146	5.6	10
44	A review of operational spare parts service logistics in service control towers. *European Journal of Operational Research*, **2020**, 282, 401-414	5.6	10
43	On the (S−1, S) Stock Model for Renewal Demand Processes: Poisson's poison. *Probability in the Engineering and Informational Sciences*, **1997**, 11, 375-386	0.6	9

42	Inventory control based on advanced probability theory, an application. *European Journal of Operational Research*, **2005**, 162, 342-358	5.6	9
41	Prioritizing replenishments of the piece picking area. *European Journal of Operational Research*, **2014**, 236, 126-134	5.6	8
40	Fair task allocation in transportation. *Omega*, **2017**, 68, 1-16	7.2	8
39	Multi-parameter maintenance optimisation via the marginal cost approach. *Journal of the Operational Research Society*, **2001**, 52, 188-197	2	8
38	How to Determine Maintenance Frequencies for Multi-Component Systems? A General Approach **1996**, 239-280		8
37	Assessing End-Of-Supply Risk of Spare Parts Using the Proportional Hazard Model. *Decision Sciences*, **2016**, 47, 373-394	3.7	8
36	Improving warehouse labour efficiency by intentional forecast bias. *International Journal of Physical Distribution and Logistics Management*, **2018**, 48, 93-110	5.2	7
35	Automated Response Surface Methodology for Simulation Optimization Models with Unknown Variance. *Quality Technology and Quantitative Management*, **2009**, 6, 325-352	1.9	7
34	Operational Research in Reverse Logistics: Some Recent Contributions. *International Journal of Logistics Research and Applications*, **1998**, 1, 141-155	3.8	7
33	Gestion des stocks pour la fabrication et la refabrication simultanées : synthèse de résultats récents. *Logistique & Management*, **1999**, 7, 61-66	0.6	7
32	Determining economic maintenance frequency of a transport fleet. *International Journal of Systems Science*, **1995**, 26, 1755-1757	2.3	7
31	Comparing transportation systems for inter-terminal transport at the Maasvlakte container terminals **2007**, 37-61		7
30	PROMPT, A Decision Support System for Opportunity-Based Preventive Maintenance **1996**, 530-549		7
29	Evaluation of a new maintenance concept for the preservation of highways. *IMA Journal of Management Mathematics*, **1998**, 9, 109-156	1.4	7
28	Heracles: A framework for developing and evaluating text mining algorithms. *Expert Systems With Applications*, **2019**, 127, 68-84	7.8	6
27	Markov-modulated analysis of a spare parts system with random lead times and disruption risks. *European Journal of Operational Research*, **2018**, 269, 909-922	5.6	6
26	Centrality, flexibility and floating stocks: A quantitative evaluation of port-of-entry choices. *Maritime Economics and Logistics*, **2013**, 15, 72-100	2.6	6
25	A Hybrid Approach for Aspect-Based Sentiment Analysis Using Deep Contextual Word Embeddings and Hierarchical Attention. *Lecture Notes in Computer Science*, **2020**, 365-380	0.9	6

24	The driver assignment vehicle routing problem. *Networks*, **2016**, 68, 212-223	1.6	6
23	Simultaneous Optimization of Speed and Buffer Times with an Application to Liner Shipping. *Transportation Science*, **2019**, 53, 365-382	4.4	5
22	A unified treatment of single component replacement models. *Mathematical Methods of Operations Research*, **1997**, 45, 437-454	1	5
21	An easy derivation of the order level optimality condition for inventory systems with backordering. *International Journal of Production Economics*, **2008**, 114, 201-204	9.3	5
20	Counter examples for compact action markov decision chains with average reward criteria. *Stochastic Models*, **1987**, 3, 357-368		5
19	The impact of sulphur limit fuel regulations on maritime supply chain network design. *Annals of Operations Research*, **2020**, 294, 677-695	3.2	5
18	**2010**,		4
17	Modeling the deterioration of the coating on steel structures: a comparison of methods		4
16	The availability of unmanned air vehicles: a post-case study. *Journal of the Operational Research Society*, **2001**, 52, 161-168	2	4
15	Denumerable semi-Markov decision chains with small interest rates. *Annals of Operations Research*, **1991**, 28, 185-211	3.2	4
14	On the Marginal Cost Approach in Maintenance. *Journal of Optimization Theory and Applications*, **1997**, 94, 771-781	1.6	3
13	E-business models for reverse logistics: contributions and challenges		3
12	A 3/2 Algorithm for Two-Machine Open Shop with Route-Dependent Processing Times. *Journal of Heuristics*, **1999**, 5, 5-28	1.9	3
11	Revenue management with two fare classes in synchromodal container transportation. *Flexible Services and Manufacturing Journal*, **2021**, 33, 623-662	1.8	3
10	An Information Gain-Driven Feature Study for Aspect-Based Sentiment Analysis. *Lecture Notes in Computer Science*, **2016**, 48-59	0.9	2
9	An Evolutionary Model of Price Competition Among Spatially Distributed Firms. *Computational Economics*, **2013**, 42, 373-391	1.4	2
8	A Framework for Single-Parameter Maintenance Activities and its Use in Optimisation, Priority Setting and Combining **1996**, 170-188		2
7	Multicomponent Maintenance **2008**,		1

6	A Review on Inventory Control for Joint Manufacturing and Remanufacturing. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2000**, 33, 235-240		1
5	Critical project planning and spare parts inventory management in shutdown maintenance. *Reliability Engineering and System Safety*, **2022**, 219, 108197	6.3	1
4	Brownian motion approximations for tankage assessment and stock control. *European Journal of Operational Research*, **1995**, 85, 192-204	5.6	0
3	A Hierarchical Decision-Making Framework for Quantitative Green Supply Chain Management **2016**, 129-157		
2	Minimising bins in transmission systems. *European Journal of Operational Research*, **1999**, 115, 380-391	5.6	
1	A Web-Based Recommender System for end-of-use ICT Products. *IFIP Advances in Information and Communication Technology*, **2003**, 601-614	0.5	