

Rommert Dekker

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Critical project planning and spare parts inventory management in shutdown maintenance. <i>Reliability Engineering and System Safety</i> , 2022 , 219, 108197	6.3	1
148	Revenue management with two fare classes in synchromodal container transportation. <i>Flexible Services and Manufacturing Journal</i> , 2021 , 33, 623-662	1.8	3
147	A Hybrid Approach for Aspect-Based Sentiment Analysis Using Deep Contextual Word Embeddings and Hierarchical Attention. <i>Lecture Notes in Computer Science</i> , 2020 , 365-380	0.9	6
146	A review of operational spare parts service logistics in service control towers. <i>European Journal of Operational Research</i> , 2020 , 282, 401-414	5.6	10
145	The impact of sulphur limit fuel regulations on maritime supply chain network design. <i>Annals of Operations Research</i> , 2020 , 294, 677-695	3.2	5
144	Spare parts inventory control based on maintenance planning. <i>Reliability Engineering and System Safety</i> , 2020 , 193, 106600	6.3	23
143	Heracles: A framework for developing and evaluating text mining algorithms. <i>Expert Systems With Applications</i> , 2019 , 127, 68-84	7.8	6
142	Simultaneous Optimization of Speed and Buffer Times with an Application to Liner Shipping. <i>Transportation Science</i> , 2019 , 53, 365-382	4.4	5
141	Designing robust liner shipping schedules: Optimizing recovery actions and buffer times. <i>European Journal of Operational Research</i> , 2019 , 272, 132-146	5.6	10
140	Markov-modulated analysis of a spare parts system with random lead times and disruption risks. <i>European Journal of Operational Research</i> , 2018 , 269, 909-922	5.6	6
139	Literature review: The vaccine supply chain. <i>European Journal of Operational Research</i> , 2018 , 268, 174-192	3.6	71
138	Improving warehouse labour efficiency by intentional forecast bias. <i>International Journal of Physical Distribution and Logistics Management</i> , 2018 , 48, 93-110	5.2	7
137	The impact of slow steaming on the carriers' and shippers' costs: The case of a global logistics network. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 111, 18-39	9	17
136	Dose-Optimal Vaccine Allocation over Multiple Populations. <i>Production and Operations Management</i> , 2018 , 27, 143-159	3.6	30
135	Supervised and Unsupervised Aspect Category Detection for Sentiment Analysis with Co-occurrence Data. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1263-1275	10.2	51
134	The benefits of combining early aspecific vaccination with later specific vaccination. <i>European Journal of Operational Research</i> , 2018 , 271, 606-619	5.6	13
133	Using imperfect advance demand information in lost-sales inventory systems with the option of returning inventory. <i>IIEE Transactions</i> , 2018 , 50, 246-264	3.3	18

132	Cross-Border Electronic Commerce: Distance Effects and Express Delivery in European Union Markets. <i>International Journal of Electronic Commerce</i> , 2017 , 21, 184-218	5.4	67
131	An improved method for forecasting spare parts demand using extreme value theory. <i>European Journal of Operational Research</i> , 2017 , 261, 169-181	5.6	23
130	The Cargo Fare Class Mix problem for an intermodal corridor: revenue management in synchromodal container transportation. <i>Flexible Services and Manufacturing Journal</i> , 2017 , 29, 634-658	1.8	10
129	Spare part demand forecasting for consumer goods using installed base information. <i>Computers and Industrial Engineering</i> , 2017 , 103, 201-215	6.4	33
128	Evaluation of multi-objective optimization approaches for solving green supply chain design problems. <i>Omega</i> , 2017 , 68, 168-184	7.2	34
127	Cost and environmental trade-offs in supply chain network design and planning: the merit of a simulation-based approach. <i>Journal of Simulation</i> , 2017 , 11, 20-29	1.9	13
126	Fair task allocation in transportation. <i>Omega</i> , 2017 , 68, 1-16	7.2	8
125	A Hierarchical Decision-Making Framework for Quantitative Green Supply Chain Management 2016 , 129-157		
124	The most efficient critical vaccination coverage and its equivalence with maximizing the herd effect. <i>Mathematical Biosciences</i> , 2016 , 282, 68-81	3.9	11
123	Real-time container transport planning with decision trees based on offline obtained optimal solutions. <i>Decision Support Systems</i> , 2016 , 89, 1-16	5.6	42
122	An Information Gain-Driven Feature Study for Aspect-Based Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2016 , 48-59	0.9	2
121	Assessing End-Of-Supply Risk of Spare Parts Using the Proportional Hazard Model. <i>Decision Sciences</i> , 2016 , 47, 373-394	3.7	8
120	The driver assignment vehicle routing problem. <i>Networks</i> , 2016 , 68, 212-223	1.6	6
119	Impact and relevance of transit disturbances on planning in intermodal container networks using disturbance cost analysis. <i>Maritime Economics and Logistics</i> , 2015 , 17, 440-463	2.6	24
118	Synchromodal Container Transportation: An Overview of Current Topics and Research Opportunities. <i>Lecture Notes in Computer Science</i> , 2015 , 386-397	0.9	33
117	The Role of Contract Expirations in Service Parts Management. <i>Production and Operations Management</i> , 2015 , 24, 1580-1597	3.6	11
116	Improving spare parts inventory control at a repair shop. <i>Omega</i> , 2015 , 57, 217-229	7.2	25
115	Service network design for an intermodal container network with flexible transit times and the possibility of using subcontracted transport. <i>International Journal of Shipping and Transport Logistics</i> , 2015 , 7, 457	1	38

114	Methods for strategic liner shipping network design. <i>European Journal of Operational Research</i> , 2014 , 235, 367-377	5.6	56
113	Design and planning for green global supply chains under periodic review replenishment policies. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014 , 72, 210-235	9	34
112	More grip on inventory control through improved forecasting: A comparative study at three companies. <i>International Journal of Production Economics</i> , 2014 , 157, 220-237	9.3	15
111	The vehicle rescheduling problem. <i>Computers and Operations Research</i> , 2014 , 43, 129-136	4.6	16
110	Prioritizing replenishments of the piece picking area. <i>European Journal of Operational Research</i> , 2014 , 236, 126-134	5.6	8
109	End-of-Life Inventory Problem with Phaseout Returns. <i>Production and Operations Management</i> , 2014 , 23, 1561-1576	3.6	13
108	Service parts inventory control with lateral transshipment and pipeline stockflexibility. <i>International Journal of Production Economics</i> , 2013 , 142, 278-289	9.3	23
107	A chassis exchange terminal to reduce truck congestion at container terminals. <i>Flexible Services and Manufacturing Journal</i> , 2013 , 25, 528-542	1.8	34
106	Evaluating impact of truck announcements on container stacking efficiency. <i>Flexible Services and Manufacturing Journal</i> , 2013 , 25, 543-556	1.8	58
105	An Evolutionary Model of Price Competition Among Spatially Distributed Firms. <i>Computational Economics</i> , 2013 , 42, 373-391	1.4	2
104	On the use of installed base information for spare parts logistics: A review of ideas and industry practice. <i>International Journal of Production Economics</i> , 2013 , 143, 536-545	9.3	62
103	Centrality, flexibility and floating stocks: A quantitative evaluation of port-of-entry choices. <i>Maritime Economics and Logistics</i> , 2013 , 15, 72-100	2.6	6
102	Operations Research for green logistics [An overview of aspects, issues, contributions and challenges. <i>European Journal of Operational Research</i> , 2012 , 219, 671-679	5.6	525
101	Customer differentiated end-of-life inventory problem. <i>European Journal of Operational Research</i> , 2012 , 222, 44-53	5.6	17
100	End-of-Life Inventory Decisions for Consumer Electronics Service Parts. <i>Production and Operations Management</i> , 2012 , 21, 889-906	3.6	26
99	Closed-loop supply chains of reusable articles: a typology grounded on case studies. <i>International Journal of Production Research</i> , 2012 , 50, 5582-5596	7.8	42
98	The impact of greening on supply chain design and cost: a case for a developing region. <i>Journal of Transport Geography</i> , 2012 , 22, 118-128	5.2	96
97	Spare parts stock control for redundant systems using reliability centered maintenance data. <i>Reliability Engineering and System Safety</i> , 2011 , 96, 1576-1586	6.3	38

96	Economic modeling using evolutionary algorithms: the effect of a binary encoding of strategies. <i>Journal of Evolutionary Economics</i> , 2011 , 21, 737-756	1.9	14
95	An inventory model for slow moving items subject to obsolescence. <i>European Journal of Operational Research</i> , 2011 , 213, 83-95	5.6	21
94	Estimating obsolescence risk from demand data to enhance inventory control: a case study. <i>International Journal of Production Economics</i> , 2011 , 133, 423-431	9.3	16
93	2010,		4
92	Online rules for container stacking. <i>OR Spectrum</i> , 2010 , 32, 687-716	1.9	63
91	Rescheduling in passenger railways: the rolling stock rebalancing problem. <i>Journal of Scheduling</i> , 2010 , 13, 281-297	1.6	30
90	A comparison of two techniques for bibliometric mapping: Multidimensional scaling and VOS. <i>Journal of the Association for Information Science and Technology</i> , 2010 , 61, 2405-2416		309
89	Inventory control policies for inspection and remanufacturing of returns: A case study. <i>International Journal of Production Economics</i> , 2010 , 125, 300-312	9.3	36
88	Floating stocks in FMCG supply chains: using intermodal transport to facilitate advance deployment. <i>International Journal of Physical Distribution and Logistics Management</i> , 2009 , 39, 632-648	5.2	17
87	Modelling and optimizing imperfect maintenance of coatings on steel structures. <i>Structural Safety</i> , 2009 , 31, 234-244	4.9	47
86	The floating stock policy in fast moving consumer goods supply chains. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2009 , 45, 39-49	9	14
85	Automated Response Surface Methodology for Simulation Optimization Models with Unknown Variance. <i>Quality Technology and Quantitative Management</i> , 2009 , 6, 325-352	1.9	7
84	Optimal Maintenance of Multi-component Systems: A Review 2008 , 263-286		137
83	Maintenance and Production: A Review of Planning Models 2008 , 321-344		24
82	Stochastic improvement of cyclic railway timetables. <i>Transportation Research Part B: Methodological</i> , 2008 , 42, 553-570	7.2	131
81	Multicomponent Maintenance 2008 ,		1
80	An inventory control system for spare parts at a refinery: An empirical comparison of different re-order point methods. <i>European Journal of Operational Research</i> , 2008 , 184, 101-132	5.6	112
79	A solution method for the joint replenishment problem with correction factor. <i>International Journal of Production Economics</i> , 2008 , 113, 834-851	9.3	25

78	An easy derivation of the order level optimality condition for inventory systems with backordering. <i>International Journal of Production Economics</i> , 2008 , 114, 201-204	9.3	5
77	A comparison of models for measurable deterioration: An application to coatings on steel structures. <i>Reliability Engineering and System Safety</i> , 2007 , 92, 1635-1650	6.3	76
76	Advanced methods for container stacking 2007 , 131-154		22
75	Comparing transportation systems for inter-terminal transport at the Maasvlakte container terminals 2007 , 37-61		7
74	Cyclic Railway Timetabling: A Stochastic Optimization Approach 2007 , 41-66		28
73	Advanced methods for container stacking. <i>OR Spectrum</i> , 2006 , 28, 563-586	1.9	146
72	Comparing transportation systems for inter-terminal transport at the Maasvlakte container terminals. <i>OR Spectrum</i> , 2006 , 28, 469-493	1.9	56
71	An efficient optimal solution method for the joint replenishment problem with minimum order quantities. <i>European Journal of Operational Research</i> , 2006 , 174, 1595-1615	5.6	39
70	Determination of recovery effort for a probabilistic recovery system under various inventory control policies. <i>Omega</i> , 2006 , 34, 571-584	7.2	19
69	Scheduling preventive railway maintenance activities. <i>Journal of the Operational Research Society</i> , 2006 , 57, 1035-1044	2	129
68	Reliability and heterogeneity of railway services. <i>European Journal of Operational Research</i> , 2006 , 172, 647-665	5.6	105
67	Controlling inventories in a supply chain: A case study. <i>International Journal of Production Economics</i> , 2005 , 93-94, 179-188	9.3	15
66	A stochastic approach to a case study for product recovery network design. <i>European Journal of Operational Research</i> , 2005 , 160, 268-287	5.6	270
65	Inventory control based on advanced probability theory, an application. <i>European Journal of Operational Research</i> , 2005 , 162, 342-358	5.6	9
64	A Scenario AggregationBased Approach for Determining a Robust Airline Fleet Composition for Dynamic Capacity Allocation. <i>Transportation Science</i> , 2005 , 39, 367-382	4.4	59
63	Reverse Logistics: A Review of Case Studies. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2005 , 243-281	0.4	24
62	Inventory control of spare parts using a Bayesian approach: A case study. <i>European Journal of Operational Research</i> , 2004 , 154, 730-739	5.6	76
61	Improving Order-Picking Response Time at Ankor's Warehouse. <i>Interfaces</i> , 2004 , 34, 303-313	0.7	54

60	Return handling options and order quantities for single period products. <i>European Journal of Operational Research</i> , 2003 , 151, 38-52	5.6	121
59	Modelling product returns in inventory control—exploring the validity of general assumptions. <i>International Journal of Production Economics</i> , 2003 , 81-82, 225-241	9.3	51
58	A Web-Based Recommender System for end-of-use ICT Products. <i>IFIP Advances in Information and Communication Technology</i> , 2003 , 601-614	0.5	
57	On the (S, s) lost sales inventory model with priority demand classes. <i>Naval Research Logistics</i> , 2002 , 49, 593-610	1.5	67
56	Controlling inventories with stochastic item returns: A basic model. <i>European Journal of Operational Research</i> , 2002 , 138, 63-75	5.6	120
55	Multi-parameter maintenance optimisation via the marginal cost approach. <i>Journal of the Operational Research Society</i> , 2001 , 52, 188-197	2	8
54	The availability of unmanned air vehicles: a post-case study. <i>Journal of the Operational Research Society</i> , 2001 , 52, 161-168	2	4
53	A Review on Inventory Control for Joint Manufacturing and Remanufacturing. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 235-240		1
52	Inventory rationing in an (s, Q) inventory model with lost sales and two demand classes. <i>Journal of the Operational Research Society</i> , 2000 , 51, 111-122	2	78
51	A characterisation of logistics networks for product recovery. <i>Omega</i> , 2000 , 28, 653-666	7.2	489
50	Inventory Control in Hybrid Systems with Remanufacturing. <i>Management Science</i> , 1999 , 45, 733-747	3.9	245
49	Correlations in uncertainty analysis for medical decision making: an application to heart-valve replacement. <i>Medical Decision Making</i> , 1999 , 19, 276-86	2.5	13
48	An investigation of lead-time effects in manufacturing/remanufacturing systems under simple PUSH and PULL control strategies. <i>European Journal of Operational Research</i> , 1999 , 115, 195-214	5.6	113
47	Minimising bins in transmission systems. <i>European Journal of Operational Research</i> , 1999 , 115, 380-391	5.6	
46	An efficient algorithm for a generalized joint replenishment problem. <i>European Journal of Operational Research</i> , 1999 , 118, 413-428	5.6	12
45	A 3/2 Algorithm for Two-Machine Open Shop with Route-Dependent Processing Times. <i>Journal of Heuristics</i> , 1999 , 5, 5-28	1.9	3
44	Gestion des stocks pour la fabrication et la refabrication simultanées : synthèse de résultats récents. <i>Logistique & Management</i> , 1999 , 7, 61-66	0.6	7
43	An Overview of Inventory Systems with Several Demand Classes. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1999 , 253-265	0.4	26

42	On the impact of optimisation models in maintenance decision making: the state of the art. <i>Reliability Engineering and System Safety</i> , 1998 , 60, 111-119	6.3	105
41	A two-level network for recycling sand: A case study. <i>European Journal of Operational Research</i> , 1998 , 110, 199-214	5.6	311
40	Operational Research in Reverse Logistics: Some Recent Contributions. <i>International Journal of Logistics Research and Applications</i> , 1998 , 1, 141-155	3.8	7
39	Evaluation of a new maintenance concept for the preservation of highways. <i>IMA Journal of Management Mathematics</i> , 1998 , 9, 109-156	1.4	7
38	On the (S ₁ , S) Stock Model for Renewal Demand Processes: Poisson's poison. <i>Probability in the Engineering and Informational Sciences</i> , 1997 , 11, 375-386	0.6	9
37	Preventive maintenance in a 1 out of n system: The uptime, downtime and costs. <i>European Journal of Operational Research</i> , 1997 , 99, 565-583	5.6	34
36	On the Marginal Cost Approach in Maintenance. <i>Journal of Optimization Theory and Applications</i> , 1997 , 94, 771-781	1.6	3
35	A review of multi-component maintenance models with economic dependence. <i>Mathematical Methods of Operations Research</i> , 1997 , 45, 411-435	1	299
34	A unified treatment of single component replacement models. <i>Mathematical Methods of Operations Research</i> , 1997 , 45, 437-454	1	5
33	A useful framework for optimal replacement models. <i>Reliability Engineering and System Safety</i> , 1997 , 58, 61-67	6.3	35
32	An efficient optimal solution method for the joint replenishment problem. <i>European Journal of Operational Research</i> , 1997 , 99, 433-444	5.6	56
31	Quantitative models for reverse logistics: A review. <i>European Journal of Operational Research</i> , 1997 , 103, 1-17	5.6	1235
30	A dynamic policy for grouping maintenance activities. <i>European Journal of Operational Research</i> , 1997 , 99, 530-551	5.6	120
29	Dynamic influences in multi-component maintenance. <i>Quality and Reliability Engineering International</i> , 1997 , 13, 199-207	2.6	18
28	. <i>IEEE Transactions on Reliability</i> , 1996 , 45, 75-83	4.6	22
27	An (s, Q) inventory model with remanufacturing and disposal. <i>International Journal of Production Economics</i> , 1996 , 46-47, 339-350	9.3	78
26	Product remanufacturing and disposal: A numerical comparison of alternative control strategies. <i>International Journal of Production Economics</i> , 1996 , 45, 489-498	9.3	84
25	Applications of maintenance optimization models: a review and analysis. <i>Reliability Engineering and System Safety</i> , 1996 , 51, 229-240	6.3	546

24	Joint replacement in an operational planning phase. <i>European Journal of Operational Research</i> , 1996 , 91, 74-88	5.6	34
23	A Framework for Single-Parameter Maintenance Activities and its Use in Optimisation, Priority Setting and Combining 1996 , 170-188		2
22	How to Determine Maintenance Frequencies for Multi-Component Systems? A General Approach 1996 , 239-280		8
21	PROMPT, A Decision Support System for Opportunity-Based Preventive Maintenance 1996 , 530-549		7
20	Marginal cost criteria for preventive replacement of a group of components. <i>European Journal of Operational Research</i> , 1995 , 84, 467-480	5.6	30
19	Brownian motion approximations for tankage assessment and stock control. <i>European Journal of Operational Research</i> , 1995 , 85, 192-204	5.6	0
18	Integrating optimisation, priority setting, planning and combining of maintenance activities. <i>European Journal of Operational Research</i> , 1995 , 82, 225-240	5.6	67
17	Availability assessment methods and their application in practice. <i>Microelectronics Reliability</i> , 1995 , 35, 1257-1274	1.2	15
16	On the use of operations research models for maintenance decision making. <i>Microelectronics Reliability</i> , 1995 , 35, 1321-1331	1.2	19
15	Determining economic maintenance frequency of a transport fleet. <i>International Journal of Systems Science</i> , 1995 , 26, 1755-1757	2.3	7
14	. <i>IEEE Transactions on Reliability</i> , 1995 , 44, 505-511	4.6	25
13	Preventive maintenance at opportunities of restricted duration. <i>Naval Research Logistics</i> , 1994 , 41, 335-353		30
12	On the Relation Between Recurrence and Ergodicity Properties in Denumerable Markov Decision Chains. <i>Mathematics of Operations Research</i> , 1994 , 19, 539-559	1.5	27
11	Recurrence Conditions for Average and Blackwell Optimality in Denumerable State Markov Decision Chains. <i>Mathematics of Operations Research</i> , 1992 , 17, 271-289	1.5	25
10	. <i>IEEE Transactions on Reliability</i> , 1992 , 41, 427-432	4.6	66
9	Opportunity-based age replacement: Exponentially distributed times between opportunities. <i>Naval Research Logistics</i> , 1992 , 39, 175-190	1.5	55
8	Opportunity-based block replacement. <i>European Journal of Operational Research</i> , 1991 , 53, 46-63	5.6	53
7	Denumerable semi-Markov decision chains with small interest rates. <i>Annals of Operations Research</i> , 1991 , 28, 185-211	3.2	4

6	. <i>IEEE Transactions on Reliability</i> , 1990 , 39, 71-75	4.6	44
5	Average, Sensitive and Blackwell Optimal Policies in Denumerable Markov Decision Chains with Unbounded Rewards. <i>Mathematics of Operations Research</i> , 1988 , 13, 395-420	1.5	44
4	Counter examples for compact action markov decision chains with average reward criteria. <i>Stochastic Models</i> , 1987 , 3, 357-368		5
3	Sensitivity-analysis in discounted Markovian decision problems. <i>OR Spectrum</i> , 1985 , 7, 143-151	1.9	15
2	Modeling the deterioration of the coating on steel structures: a comparison of methods		4
1	E-business models for reverse logistics: contributions and challenges		3