

Dmitry Ivanov

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

18,011
citations

15504

65
h-index

15732

125
g-index

220
all docs

220
docs citations

220
times ranked

5993
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Supply Chain Management and Technology to Enhance Resilience by Building and Using End-to-End Visibility During the COVID-19 Pandemic. IEEE Transactions on Engineering Management, 2024, , 1-11.	3.5	66
2	A robust-heuristic optimization approach to a green supply chain design with consideration of assorted vehicle types and carbon policies under uncertainty. Annals of Operations Research, 2023, 324, 395-435.	4.1	42
3	A new resilience measure for supply networks with the ripple effect considerations: a Bayesian network approach. Annals of Operations Research, 2022, 319, 581-607.	4.1	90
4	Integrated detection of disruption scenarios, the ripple effect dispersal and recovery paths in supply chains. Annals of Operations Research, 2022, 319, 609-631.	4.1	63
5	Design redundancy in agile and resilient humanitarian supply chains. Annals of Operations Research, 2022, 319, 633-659.	4.1	24
6	Conceptualization and Measurement of Supply Chain Resilience in an Open-System Context. IEEE Transactions on Engineering Management, 2022, 69, 3111-3126.	3.5	70
7	Impacts of epidemic outbreaks on supply chains: mapping a research agenda amid the COVID-19 pandemic through a structured literature review. Annals of Operations Research, 2022, 319, 1159-1196.	4.1	497
8	Increasing flexibility and productivity in Industry 4.0 production networks with autonomous mobile robots and smart intralogistics. Annals of Operations Research, 2022, 308, 125-143.	4.1	187
9	Lean resilience: AURA (Active Usage of Resilience Assets) framework for post-COVID-19 supply chain management. International Journal of Logistics Management, 2022, 33, 1196-1217.	6.6	132
10	Stress testing supply chains and creating viable ecosystems. Operations Management Research, 2022, 15, 475-486.	8.5	70
11	A multi-layer Bayesian network method for supply chain disruption modelling in the wake of the COVID-19 pandemic. International Journal of Production Research, 2022, 60, 5258-5276.	7.5	53
12	Viable supply chain model: integrating agility, resilience and sustainability perspectivesâ€”lessons from and thinking beyond the COVID-19 pandemic. Annals of Operations Research, 2022, 319, 1411-1431.	4.1	542
13	Visualisation of ripple effect in supply chains under long-term, simultaneous disruptions: a system dynamics approach. International Journal of Production Research, 2022, 60, 6173-6186.	7.5	51
14	Expected trends in production networks for mass personalization in the cloud technology era. , 2022, , 13-37.		4
15	OR and analytics for digital, resilient, and sustainable manufacturing 4.0. Annals of Operations Research, 2022, 310, 1-6.	4.1	31
16	Cloud supply chain: Integrating Industry 4.0 and digital platforms in the â€œSupply Chain-as-a-Serviceâ€ Transportation Research, Part E: Logistics and Transportation Review, 2022, 160, 102676.	7.4	109
17	Adapting supply chain operations in anticipation of and during the COVID-19 pandemic. Omega, 2022, 110, 102635.	5.9	84
18	A mathematical model for managing the multi-dimensional impacts of the COVID-19 pandemic in supply chain of a high-demand item. Annals of Operations Research, 2022, , 1-46.	4.1	16

#	ARTICLE	IF	CITATIONS
19	Analysis of the COVID-19 pandemic's impacts on manufacturing: a systematic literature review and future research agenda. <i>Operations Management Research</i> , 2022, 15, 551-566.	8.5	45
20	Blockchain-supported business model design, supply chain resilience, and firm performance. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 163, 102773.	7.4	74
21	The Digital Supply Chain's emergence, concepts, definitions, and technologies. , 2022, , 3-24.		21
22	The cloud, platforms, and digital twins' Enablers of the digital supply chain. , 2022, , 77-91.		17
23	A control approach to scheduling flexibly configurable jobs with dynamic structural-logical constraints. <i>IIE Transactions</i> , 2021, 53, 21-38.	2.4	52
24	A digital supply chain twin for managing the disruption risks and resilience in the era of Industry 4.0. <i>Production Planning and Control</i> , 2021, 32, 775-788.	8.8	545
25	Competitive pricing of substitute products under supply disruption. <i>Omega</i> , 2021, 101, 102279.	5.9	128
26	OR-methods for coping with the ripple effect in supply chains during COVID-19 pandemic: Managerial insights and research implications. <i>International Journal of Production Economics</i> , 2021, 232, 107921.	8.9	293
27	Ripple effect in the supply chain network: Forward and backward disruption propagation, network health and firm vulnerability. <i>European Journal of Operational Research</i> , 2021, 291, 1117-1131.	5.7	174
28	Researchers' perspectives on Industry 4.0: multi-disciplinary analysis and opportunities for operations management. <i>International Journal of Production Research</i> , 2021, 59, 2055-2078.	7.5	248
29	Ripple effect and supply chain disruption management: new trends and research directions. <i>International Journal of Production Research</i> , 2021, 59, 102-109.	7.5	163
30	Managing Supply Chain Resilience. <i>Classroom Companion: Business</i> , 2021, , 29-61.	10.7	2
31	Modeling Supply Chain Resilience. <i>Classroom Companion: Business</i> , 2021, , 63-92.	10.7	1
32	Measuring Supply Chain Resilience. <i>Classroom Companion: Business</i> , 2021, , 93-126.	10.7	0
33	Supply chain resilience and its interplay with digital technologies: making innovations work in emergency situations. <i>International Journal of Physical Distribution and Logistics Management</i> , 2021, 51, 97-103.	7.4	40
34	Supply chain viability: conceptualization, measurement, and nomological validation. <i>Annals of Operations Research</i> , 2021, , 1-30.	4.1	86
35	Supply Chain Viability and the COVID-19 pandemic: a conceptual and formal generalisation of four major adaptation strategies. <i>International Journal of Production Research</i> , 2021, 59, 3535-3552.	7.5	214
36	Exiting the COVID-19 pandemic: after-shock risks and avoidance of disruption tails in supply chains. <i>Annals of Operations Research</i> , 2021, , 1-18.	4.1	91

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37	Costs of resilience and disruptions in supply chain network design models: A review and future research directions. International Journal of Production Economics, 2021, 235, 108103.	8.9	156
38	Machine learning in manufacturing and industry 4.0 applications. International Journal of Production Research, 2021, 59, 4773-4778.	7.5	167
39	Food retail supply chain resilience and the COVID-19 pandemic: A digital twin-based impact analysis and improvement directions. Transportation Research, Part E: Logistics and Transportation Review, 2021, 152, 102412.	7.4	206
40	Introduction to Supply Chain Resilience. Classroom Companion: Business, 2021, , .	10.7	57
41	Optimal Core Acquisition and Remanufacturing Decisions With Discrete Core Quality Grades. IEEE Transactions on Engineering Management, 2021, , 1-20.	3.5	1
42	Supply Chain Risks, Disruptions, and Ripple Effect. Classroom Companion: Business, 2021, , 1-28.	10.7	2
43	Supply Chain Viability. Classroom Companion: Business, 2021, , 127-145.	10.7	0
44	Inventory Management. Springer Texts in Business and Economics, 2021, , 385-433.	0.3	1
45	Examples from Different Industries, Services, and Continents. Springer Texts in Business and Economics, 2021, , 21-48.	0.3	0
46	Supply Chain Risk Management and Resilience. Springer Texts in Business and Economics, 2021, , 485-520.	0.3	4
47	Distribution and Transportation Network Design. Springer Texts in Business and Economics, 2021, , 223-265.	0.3	0
48	Production Strategy. Springer Texts in Business and Economics, 2021, , 149-169.	0.3	0
49	Operations and Supply Chain Strategy. Springer Texts in Business and Economics, 2021, , 87-124.	0.3	0
50	Factory Planning and Process Design. Springer Texts in Business and Economics, 2021, , 267-313.	0.3	0
51	Basics of Supply Chain and Operations Management. Springer Texts in Business and Economics, 2021, , 3-19.	0.3	3
52	Coordination of production and ordering policies under capacity disruption and product write-off risk: an analytical study with real-data based simulations of a fast moving consumer goods company. Annals of Operations Research, 2020, 291, 387-407.	4.1	87
53	Blockchain-oriented dynamic modelling of smart contract design and execution in the supply chain. International Journal of Production Research, 2020, 58, 2184-2199.	7.5	315
54	â€ˆA blessing in disguiseâ€™ or â€ˆas if it wasnâ€™t hard enough alreadyâ€™: reciprocal and aggravate vulnerabilities in the supply chain. International Journal of Production Research, 2020, 58, 3252-3262.	7.5	75

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55	Does the ripple effect influence the bullwhip effect? An integrated analysis of structural and operational dynamics in the supply chain. <i>International Journal of Production Research</i> , 2020, 58, 1285-1301.	7.5	211
56	Optimal divestment time in supply chain redesign under oligopoly: evidence from shale oil production plants. <i>International Transactions in Operational Research</i> , 2020, 27, 2559-2583.	2.7	4
57	Ripple effect quantification by supplier risk exposure assessment. <i>International Journal of Production Research</i> , 2020, 58, 5559-5578.	7.5	108
58	Ripple effect modelling of supplier disruption: integrated Markov chain and dynamic Bayesian network approach. <i>International Journal of Production Research</i> , 2020, 58, 3284-3303.	7.5	124
59	Dual sourcing under supply disruption with risk-averse suppliers in the sharing economy. <i>International Journal of Production Research</i> , 2020, 58, 291-307.	7.5	82
60	Coronavirus (COVID-19/SARS-CoV-2) and supply chain resilience: a research note. <i>International Journal of Integrated Supply Management</i> , 2020, 13, 90.	0.3	315
61	Exploring supply chain structural dynamics: New disruptive technologies and disruption risks. <i>International Journal of Production Economics</i> , 2020, 229, 107886.	8.9	74
62	Combined approach to the complex objects control and stability analysis of management decisions. <i>International Journal of Risk Assessment and Management</i> , 2020, 23, 106.	0.1	4
63	Editorial to the Special Issue on Operations Research Models for Supply Chain Finance. <i>International Transactions in Operational Research</i> , 2020, 27, 2263-2269.	2.7	5
64	Reconfigurable supply chain: the X-network. <i>International Journal of Production Research</i> , 2020, 58, 4138-4163.	7.5	261
65	Bayesian networks for supply chain risk, resilience and ripple effect analysis: A literature review. <i>Expert Systems With Applications</i> , 2020, 161, 113649.	7.6	149
66	Predicting the impacts of epidemic outbreaks on global supply chains: A simulation-based analysis on the coronavirus outbreak (COVID-19/SARS-CoV-2) case. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 136, 101922.	7.4	1,275
67	Manufacturing modelling, management and control: IFAC TC 5.2 past, present and future. <i>Annual Reviews in Control</i> , 2020, 49, 258-263.	7.9	4
68	Viability of intertwined supply networks: extending the supply chain resilience angles towards survivability. A position paper motivated by COVID-19 outbreak. <i>International Journal of Production Research</i> , 2020, 58, 2904-2915.	7.5	985
69	Introduction to Scheduling in Industry 4.0 and Cloud Manufacturing Systems. <i>Profiles in Operations Research</i> , 2020, , 1-9.	0.4	8
70	Proactive Scheduling and Reactive Real-Time Control in Industry 4.0. <i>Profiles in Operations Research</i> , 2020, , 11-37.	0.4	9
71	Integrated Scheduling of Information Services and Logistics Flows in the Omnichannel System. <i>Profiles in Operations Research</i> , 2020, , 125-140.	0.4	0
72	The impact of digital technology and Industry 4.0 on the ripple effect and supply chain risk analytics. <i>International Journal of Production Research</i> , 2019, 57, 829-846.	7.5	965

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73	A real-option approach to mitigate disruption risk in the supply chain. <i>Omega</i> , 2019, 88, 133-149.	5.9	78
74	Optimal overbooking strategies in the airlines using dynamic programming approach in continuous time. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 128, 384-399.	7.4	9
75	Building resilience and managing post-disruption supply chain recovery: Lessons from the information and communication technology industry. <i>International Journal of Information Management</i> , 2019, 49, 330-342.	17.5	100
76	A utility adjusted newsvendor model with stochastic demand. <i>International Journal of Production Economics</i> , 2019, 211, 154-165.	8.9	9
77	Disruption Tails and Revival Policies in the Supply Chain. <i>Profiles in Operations Research</i> , 2019, , 229-260.	0.4	1
78	Ripple Effect in the Supply Chain: Definitions, Frameworks and Future Research Perspectives. <i>Profiles in Operations Research</i> , 2019, , 1-33.	0.4	18
79	Entropy-Based Analysis and Quantification of Supply Chain Recoverability. <i>Profiles in Operations Research</i> , 2019, , 193-208.	0.4	0
80	Managing Disruptions and the Ripple Effect in Digital Supply Chains: Empirical Case Studies. <i>Profiles in Operations Research</i> , 2019, , 261-285.	0.4	17
81	Digital Supply Chain Twins: Managing the Ripple Effect, Resilience, and Disruption Risks by Data-Driven Optimization, Simulation, and Visibility. <i>Profiles in Operations Research</i> , 2019, , 309-332.	0.4	81
82	Performance Impact Analysis of Disruption Propagations in the Supply Chain. <i>Profiles in Operations Research</i> , 2019, , 163-180.	0.4	0
83	Simultaneous structuralâ€“operational control of supply chain dynamics and resilience. <i>Annals of Operations Research</i> , 2019, 283, 1191-1210.	4.1	49
84	A Model of an Integrated Analytics Decision Support System for Situational Proactive Control of Recovery Processes in Service-Modularized Supply Chain. <i>Profiles in Operations Research</i> , 2019, , 129-144.	0.4	0
85	Resilient supplier selection and optimal order allocation under disruption risks. <i>International Journal of Production Economics</i> , 2019, 213, 124-137.	8.9	234
86	Review of quantitative methods for supply chain resilience analysis. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 125, 285-307.	7.4	654
87	A supervised machine learning approach to data-driven simulation of resilient supplier selection in digital manufacturing. <i>International Journal of Information Management</i> , 2019, 49, 86-97.	17.5	288
88	Case studies of the digital technology impacts on supply chain disruption risk management. , 2019, , 23-52.		6
89	Challenges for the cyber-physical manufacturing enterprises of the future. <i>Annual Reviews in Control</i> , 2019, 47, 200-213.	7.9	225
90	New disruption risk management perspectives in supply chains: digital twins, the ripple effect, and resilience. <i>IFAC-PapersOnLine</i> , 2019, 52, 337-342.	0.9	62

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91	Disruption tails and post-disruption instability mitigation in the supply chain. IFAC-PapersOnLine, 2019, 52, 343-348.	0.9	5
92	Intellectualization of control: cyber-physical supply chain risk analytics. IFAC-PapersOnLine, 2019, 52, 355-360.	0.9	6
93	A multi-layer congested facility location problem with consideration of impatient customers in a queuing system. IFAC-PapersOnLine, 2019, 52, 2279-2284.	0.9	5
94	Managing the risk of supply chain bankruptcy in supply chain network redesign. IFAC-PapersOnLine, 2019, 52, 2431-2436.	0.9	4
95	Low-Certainty-Need (LCN) supply chains: a new perspective in managing disruption risks and resilience. International Journal of Production Research, 2019, 57, 5119-5136.	7.5	220
96	Disruption tails and revival policies: A simulation analysis of supply chain design and production-ordering systems in the recovery and post-disruption periods. Computers and Industrial Engineering, 2019, 127, 558-570.	6.3	135
97	Supply Chain Risk Management and Resilience. Springer Texts in Business and Economics, 2019, , 455-479.	0.3	4
98	Scheduling in production, supply chain and Industry 4.0 systems by optimal control: fundamentals, state-of-the-art and applications. International Journal of Production Research, 2019, 57, 411-432.	7.5	206
99	Global Supply Chain and Operations Management. Springer Texts in Business and Economics, 2019, , .	0.3	43
100	Demand Forecasting. Springer Texts in Business and Economics, 2019, , 319-333.	0.3	2
101	Digital Supply Chain, Smart Operations and Industry 4.0. Springer Texts in Business and Economics, 2019, , 481-526.	0.3	28
102	Operations and Supply Chain Strategy. Springer Texts in Business and Economics, 2019, , 81-110.	0.3	3
103	Facility Location Planning and Network Design. Springer Texts in Business and Economics, 2019, , 155-202.	0.3	1
104	Basics of Supply Chain and Operations Management. Springer Texts in Business and Economics, 2019, , 3-16.	0.3	7
105	Production Strategy. Springer Texts in Business and Economics, 2019, , 135-154.	0.3	0
106	Distribution and Transportation Network Design. Springer Texts in Business and Economics, 2019, , 203-245.	0.3	0
107	Routing and Scheduling. Springer Texts in Business and Economics, 2019, , 407-452.	0.3	0
108	Sourcing Strategy. Springer Texts in Business and Economics, 2019, , 111-134.	0.3	0

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109	New flexibility drivers for manufacturing, supply chain and service operations. International Journal of Production Research, 2018, 56, 3359-3368.	7.5	92
110	Hybrid fuzzy-probabilistic approach to supply chain resilience assessment. IEEE Transactions on Engineering Management, 2018, 65, 303-315.	3.5	100
111	Revealing interfaces of supply chain resilience and sustainability: a simulation study. International Journal of Production Research, 2018, 56, 3507-3523.	7.5	267
112	Ripple effect in the supply chain: an analysis and recent literature. International Journal of Production Research, 2018, 56, 414-430.	7.5	495
113	Scheduling of recovery actions in the supply chain with resilience analysis considerations. International Journal of Production Research, 2018, 56, 6473-6490.	7.5	86
114	Supply Chain Management and Structural Dynamics Control. Profiles in Operations Research, 2018, , 1-18.	0.4	9
115	New Drivers for Supply Chain Structural Dynamics and Resilience: Sustainability, Industry 4.0, Self-Adaptation. Profiles in Operations Research, 2018, , 293-313.	0.4	7
116	Supply Chain Risk Management: Bullwhip Effect and Ripple Effect. Profiles in Operations Research, 2018, , 19-44.	0.4	5
117	Supply Chain Resilience: Modelling, Management, and Control. Profiles in Operations Research, 2018, , 45-89.	0.4	8
118	Principles and Methods of Model-Based Decision-Making in the Supply Chain. Profiles in Operations Research, 2018, , 91-114.	0.4	0
119	OR/MS Methods for Structural Dynamics in Supply Chain Risk Management. Profiles in Operations Research, 2018, , 115-159.	0.4	5
120	Hybrid Multi-objective Mathematical Optimization: Optimal Control Model for Proactive Supply Chain Recovery Planning. Profiles in Operations Research, 2018, , 161-201.	0.4	0
121	Control-Theoretic Models and Algorithms for Supply Chain Scheduling with Capacity Disruption and Recovery Considerations. Profiles in Operations Research, 2018, , 203-241.	0.4	0
122	Simulation Applications to Structural Dynamics in Service and Manufacturing Supply Chain Risk Management. Profiles in Operations Research, 2018, , 243-274.	0.4	1
123	Entropy-Based Supply Chain Structural Complexity Analysis. Profiles in Operations Research, 2018, , 275-292.	0.4	0
124	CONTROL THEORY APPLICATIONS TO OPERATIONS SYSTEMS, SUPPLY CHAIN MANAGEMENT AND INDUSTRY 4.0 NETWORKS. IFAC-PapersOnLine, 2018, 51, 1536-1541.	0.9	21
125	CONTINGENCY PRODUCTION-INVENTORY CONTROL POLICY FOR CAPACITY DISRUPTIONS IN THE RETAIL SUPPLY CHAIN WITH PERISHABLE PRODUCTS. IFAC-PapersOnLine, 2018, 51, 1448-1452.	0.9	11
126	A survey on control theory applications to operational systems, supply chain management, and Industry 4.0. Annual Reviews in Control, 2018, 46, 134-147.	7.9	151

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127	Optimal Control Algorithms and Their Analysis for Short-Term Scheduling in Manufacturing Systems. Algorithms, 2018, 11, 57.	2.1	20
128	Structural Dynamics and Resilience in Supply Chain Risk Management. Profiles in Operations Research, 2018, , .	0.4	129
129	Simulation Vs. Optimization Approaches to Ripple Effect Modelling in the Supply Chain. Lecture Notes in Logistics, 2018, , 34-39.	0.8	5
130	Minimization of disruption-related return flows in the supply chain. International Journal of Production Economics, 2017, 183, 503-513.	8.9	79
131	Simulation-based ripple effect modelling in the supply chain. International Journal of Production Research, 2017, 55, 2083-2101.	7.5	196
132	Literature review on disruption recovery in the supply chain. International Journal of Production Research, 2017, 55, 6158-6174.	7.5	444
133	Competitive energy consumption under transmission constraints in a multi-supplier power grid system. International Journal of Systems Science, 2017, 48, 994-1001.	5.5	12
134	Optimal control representation of the mathematical programming model for supply chain dynamic reconfiguration. IFAC-PapersOnLine, 2017, 50, 4994-4999.	0.9	8
135	Natural Disasters and Supply Chain Disruption Management. , 2017, , 245-271.		2
136	A Dynamic Approach to Multi-stage Job Shop Scheduling in an Industry 4.0-Based Flexible Assembly System. IFIP Advances in Information and Communication Technology, 2017, , 475-482.	0.7	10
137	Simulation-based single vs. dual sourcing analysis in the supply chain with consideration of capacity disruptions, big data and demand patterns. International Journal of Integrated Supply Management, 2017, 11, 24.	0.3	71
138	Processes, Systems, and Models. Springer Texts in Business and Economics, 2017, , 37-67.	0.3	1
139	Operations and Supply Chain Strategy. Springer Texts in Business and Economics, 2017, , 69-96.	0.3	4
140	Basics of Supply Chain and Operations Management. Springer Texts in Business and Economics, 2017, , 1-14.	0.3	1
141	Production Strategy. Springer Texts in Business and Economics, 2017, , 121-140.	0.3	1
142	Global Supply Chain and Operations Management. Springer Texts in Business and Economics, 2017, , .	0.3	48
143	Capacity planning on key work stations in a hybrid MTO-ETO production system: a case-study on Siemens AG. International Journal of Inventory Research, 2017, 4, 214.	0.3	3
144	Closed-loop supply chain simulation with disruption considerations: a case-study on Tesla. International Journal of Inventory Research, 2017, 4, 257.	0.3	27

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145	Control Theory Application to Complex Technical Objects Scheduling Problem Solving. Advances in Intelligent Systems and Computing, 2017, , 172-179.	0.6	0
146	Dynamic recovery policies for time-critical supply chains under conditions of ripple effect. International Journal of Production Research, 2016, 54, 7245-7258.	7.5	73
147	Cost analysis of capacity flexibility in a hybrid multiple-line production system at Siemens AG. IFAC-PapersOnLine, 2016, 49, 1278-1282.	0.9	1
148	Disruptions in supply chains and recovery policies: state-of-the art review. IFAC-PapersOnLine, 2016, 49, 1436-1441.	0.9	32
149	Schedule coordination in cyber-physical supply networks Industry 4.0. IFAC-PapersOnLine, 2016, 49, 839-844.	0.9	39
150	Exact and heuristic methods for integrated supply chain design reliability analysis. International Journal of Integrated Supply Management, 2016, 10, 206.	0.3	10
151	Flexible flow shop scheduling for continuous production. International Journal of Service and Computing Oriented Manufacturing, 2016, 2, 189.	0.2	1
152	A dynamic model and an algorithm for short-term supply chain scheduling in the smart factory industry 4.0. International Journal of Production Research, 2016, 54, 386-402.	7.5	417
153	Schedule robustness analysis with the help of attainable sets in continuous flow problem under capacity disruptions. International Journal of Production Research, 2016, 54, 3397-3413.	7.5	31
154	Disruption-driven supply chain (re)-planning and performance impact assessment with consideration of pro-active and recovery policies. Transportation Research, Part E: Logistics and Transportation Review, 2016, 90, 7-24.	7.4	123
155	Supply chain dynamics, control and disruption management. International Journal of Production Research, 2016, 54, 1-7.	7.5	207
156	Robust dynamic schedule coordination control in the supply chain. Computers and Industrial Engineering, 2016, 94, 18-31.	6.3	35
157	Integrated Planning and Scheduling with Dynamic Analysis and Control of Service Level and Costs. Operations Research/ Computer Science Interfaces Series, 2016, , 263-283.	0.3	2
158	Structural quantification of the ripple effect in the supply chain. International Journal of Production Research, 2016, 54, 152-169.	7.5	114
159	Integrated scheduling of material flows and information services in industry 4.0 supply networks. IFAC-PapersOnLine, 2015, 48, 1533-1538.	0.9	30
160	Analysis of the order recovery point location in the supply chain. International Journal of Integrated Supply Management, 2015, 9, 329.	0.3	3
161	Ripple Effect in the Time-Critical Food Supply Chains and Recovery Policies. IFAC-PapersOnLine, 2015, 48, 1682-1687.	0.9	9
162	Integration of aggregate distribution and dynamic transportation planning in a supply chain with capacity disruptions and the ripple effect consideration. International Journal of Production Research, 2015, 53, 6963-6979.	7.5	58

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163	Supply Chain Design With Disruption Considerations: Review of Research Streams on the Ripple Effect in the Supply Chain. IFAC-PapersOnLine, 2015, 48, 1700-1707.	0.9	26
164	Coordination of the supply chain schedules with re-scheduling considerations. IFAC-PapersOnLine, 2015, 48, 1509-1514.	0.9	3
165	Integrated dynamic scheduling of material flows and distributed information services in collaborative cyber-physical supply networks. International Journal of Systems Science: Operations and Logistics, 2014, 1, 18-26.	3.0	17
166	Multi-stage supply chain scheduling with non-preemptive continuous operations and execution control. International Journal of Production Research, 2014, 52, 4059-4077.	7.5	21
167	Optimal distribution (re)planning in a centralized multi-stage supply network under conditions of the ripple effect and structure dynamics. European Journal of Operational Research, 2014, 237, 758-770.	5.7	144
168	The Ripple effect in supply chains: trade-off "efficiency-flexibility-resilience"™ in disruption management. International Journal of Production Research, 2014, 52, 2154-2172.	7.5	451
169	Dual problem formulation and its application to optimal redesign of an integrated production "distribution network with structure dynamics and ripple effect considerations. International Journal of Production Research, 2013, 51, 5386-5403.	7.5	62
170	Control and system-theoretic identification of the supply chain dynamics domain for planning, analysis and adaptation of performance under uncertainty. European Journal of Operational Research, 2013, 224, 313-323.	5.7	189
171	Task re-allocation in temporary production networks. International Journal of Integrated Supply Management, 2013, 8, 107.	0.3	1
172	Dynamic co-ordinated scheduling in the supply chain under a process modernisation. International Journal of Production Research, 2013, 51, 2680-2697.	7.5	28
173	APPLICATION OF CONTROL THEORETIC TOOLS TO SUPPLY CHAIN DISRUPTION MANAGEMENT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1926-1931.	0.4	4
174	Multi-disciplinary analysis of interfaces "Supply Chain Event Management - RFID - control theory". International Journal of Integrated Supply Management, 2013, 8, 52.	0.3	10
175	STRUCTURE DYNAMICS CONTROL-BASED INTEGRATION OF AGGREGATE DISTRIBUTION AND DYNAMIC TRANSPORTATION PLANNING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1920-1925.	0.4	0
176	Adaptation-Based Supply Chain Resilience. Lecture Notes in Logistics, 2013, , 267-287.	0.8	4
177	Structure dynamics control approach to supply chain planning and adaptation. International Journal of Production Research, 2012, 50, 6133-6149.	7.5	43
178	ATTAINABLE SETS AND THEIR POSSIBLE APPLICATIONS TO SUPPLY CHAIN ANALYSIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 578-583.	0.4	0
179	The inter-disciplinary modelling of supply chains in the context of collaborative multi-structural cyber-physical networks. Journal of Manufacturing Technology Management, 2012, 23, 976-997.	6.4	38
180	Integrated customer-oriented product design and process networking of supply chains in virtual environments. International Journal of Networking and Virtual Organisations, 2012, 11, 48.	0.2	9

#	ARTICLE	IF	CITATIONS
181	DEVELOPING AN ADAPTIVE FRAMEWORK FOR SUSTAINABLE SUPPLY NETWORKS. , 2012, , 109-131.		0
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