

# Manoj Kumar Tiwari

## List of Publications by Year in descending order

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233  
papers

9,142  
citations

50276

46  
h-index

60623

81  
g-index

238  
all docs

238  
docs citations

238  
times ranked

7386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bilevel Programming for Manufacturers Operating in an Omnichannel Retailing Environment. IEEE Transactions on Engineering Management, 2023, 70, 3958-3975.	3.5	5
2	Solving a 3-dimensional vehicle routing problem with delivery options in city logistics using fast-neighborhood based crowding differential evolution algorithm. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 10389-10402.	4.9	4
3	Designing a sustainable freight transportation network with cross-docks. International Journal of Production Research, 2023, 61, 1455-1478.	7.5	7
4	Developing a model to optimise the cost of consolidated air freight considering the varying scenarios. International Journal of Logistics Research and Applications, 2023, 26, 1035-1059.	8.8	3
5	Designing a food supply chain for enhanced social sustainability in developing countries. International Journal of Production Research, 2023, 61, 3184-3204.	7.5	14
6	A circularity-based quality assessment tool to classify the core for recovery businesses. International Journal of Production Research, 2022, 60, 5835-5853.	7.5	3
7	An Optimization Framework for Operational-Level Resource Composition in an Inclusive Manufacturing System. Journal of Computing and Information Science in Engineering, 2022, 22, .	2.7	0
8	A hybrid ensemble learning-based prediction model to minimise delay in air cargo transport using bagging and stacking. International Journal of Production Research, 2022, 60, 644-660.	7.5	8
9	Exploring the key facets of leakage dynamics in water distribution networks: Experimental verification, hydraulic modeling, and sensitivity analysis. Journal of Cleaner Production, 2022, 362, 132236.	9.3	5
10	Impact of financial risk on supply chains: a manufacturer-supplier relational perspective. International Journal of Production Research, 2021, 59, 7090-7105.	7.5	23
11	Impact of COVID-19 on logistics systems and disruptions in food supply chain. International Journal of Production Research, 2021, 59, 1993-2008.	7.5	485
12	A reinforcement learning-based algorithm for the aircraft maintenance routing problem. Expert Systems With Applications, 2021, 169, 114399.	7.6	24
13	Bunkering policies for a fuel bunker management problem for liner shipping networks. European Journal of Operational Research, 2021, 289, 927-939.	5.7	41
14	Fuel Bunker Management Strategies Within Sustainable Container Shipping Operation Considering Disruption and Recovery Policies. IEEE Transactions on Engineering Management, 2021, 68, 1089-1111.	3.5	49
15	A new case of rank reversal in analytic hierarchy process due to aggregation of cost and benefit criteria. Operations Research Perspectives, 2021, 8, 100185.	2.1	7
16	Smart Integration of Blockchain in Air Cargo Handling for Profit Maximization. IFIP Advances in Information and Communication Technology, 2021, , 107-114.	0.7	0
17	Digitization of Real-Time Predictive Maintenance for High Speed Machine Equipment. IFIP Advances in Information and Communication Technology, 2021, , 132-140.	0.7	1
18	Assembly Design of Additive Manufacturing Products: A Computational Framework for Part Separation. Procedia CIRP, 2021, 96, 121-126.	1.9	1

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19	Identifying Myocardial Infarction Using Hierarchical Template Matching-Based Myocardial Strain: Algorithm Development and Usability Study. JMIR Medical Informatics, 2021, 9, e22164.	2.6	0
20	Stochastic batch dispersion model to optimize traceability and enhance transparency using Blockchain. Computers and Industrial Engineering, 2021, 154, 107134.	6.3	29
21	IE Tools for Boosting Competitiveness in Iron and Steel Industry: A Review. Transactions of the Indian Institute of Metals, 2021, 74, 1065-1076.	1.5	2
22	Optimal Sensor Deployment to Diagnose Large-Scale Manufacturing Systems Using a Convergence-Trajectory Controlled Ant Colony System Algorithm. , 2021, , .		1
23	Unpacking the role of primary packaging material in designing green supply chains: An integrated approach. International Journal of Production Economics, 2021, 236, 108133.	8.9	9
24	High-rate blackwater anaerobic digestion under septic tank conditions with the amendment of biosolids-derived biochar synthesized at different temperatures. Bioresource Technology, 2021, 331, 125052.	9.6	10
25	A bespoke PSS development roadmap for construction OEMs. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	2
26	Machine learning in manufacturing and industry 4.0 applications. International Journal of Production Research, 2021, 59, 4773-4778.	7.5	167
27	Synchronized Truck and Drone Routing in Package Delivery Logistics. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5772-5782.	8.0	80
28	Performance indicators-based energy sustainability in urban water distribution networks: A state-of-art review and conceptual framework. Sustainable Cities and Society, 2021, 72, 103036.	10.4	12
29	Optimal allocation of near-expiry food in a retailer-foodbank supply network with economic and environmental considerations: An aggregator's perspective. Journal of Cleaner Production, 2021, 318, 128481.	9.3	7
30	Learning curve based integrated procurement and project scheduling of multiple sister ships project. Computers and Industrial Engineering, 2021, 162, 107691.	6.3	2
31	Hydraulic performance benchmarking for effective management of water distribution networks: An innovative composite index-based approach. Journal of Environmental Management, 2021, 299, 113603.	7.8	5
32	Energy Analysis of Wastewater Infrastructure. Energy, Environment, and Sustainability, 2021, , 209-229.	1.0	0
33	Liner Ship Freight Revenue and Fleet Deployment for Single Service. IFIP Advances in Information and Communication Technology, 2021, , 123-131.	0.7	0
34	A lean approach to healthcare management using multi criteria decision making. Opsearch, 2021, 58, 610-635.	1.8	27
35	A hybrid dynamic berth allocation planning problem with fuel costs considerations for container terminal port using chemical reaction optimization approach. Annals of Operations Research, 2020, 290, 783-811.	4.1	43
36	Project portfolio selection and scheduling optimization based on risk measure: a conditional value at risk approach. Annals of Operations Research, 2020, 285, 9-33.	4.1	40

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37	Hybridizing Basic Variable Neighborhood Search With Particle Swarm Optimization for Solving Sustainable Ship Routing and Bunker Management Problem. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 986-997.	8.0	50
38	A framework for understanding institutional factors affecting the success and failure of offshoring models in India. International Journal of Production Research, 2020, 58, 5911-5928.	7.5	2
39	Modelling of sustainable food grain supply chain distribution system: a bi-objective approach. International Journal of Production Research, 2020, 58, 5521-5544.	7.5	74
40	Modelling supply chain network for procurement of food grains in India. International Journal of Production Research, 2020, 58, 6493-6512.	7.5	31
41	A review of leakage detection strategies for pressurised pipeline in steady-state. Engineering Failure Analysis, 2020, 109, 104264.	4.0	110
42	Exploring the effect of dynamic seed activation in social networks. International Journal of Information Management, 2020, 51, 102039.	17.5	6
43	Multi-objective particle swarm optimisation based integrated production inventory routing planning for efficient perishable food logistics operations. International Journal of Production Research, 2020, 58, 5155-5174.	7.5	51
44	Optimization of vehicle speed for batches to minimize supply chain cost under uncertain demand. Information Sciences, 2020, 515, 26-43.	6.9	13
45	The impact of the Internet of Things (IoT) on servitization: an exploration of changing supply relationships. Production Planning and Control, 2020, 31, 203-219.	8.8	37
46	Effect of carbon tax on reverse logistics network design. Computers and Industrial Engineering, 2020, 139, 106184.	6.3	38
47	Copula-based probabilistic spectral algorithms for high-frequent streamflow estimation. Remote Sensing of Environment, 2020, 251, 112092.	11.0	24
48	Mitigating demand risk of durable goods in online retailing. International Journal of Retail and Distribution Management, 2020, 49, 165-186.	4.7	12
49	A methodology for determining the optimal reverse flow capacities and the breakeven period for a multi products-component remanufacturing problem of an OEM. Operations Management Research, 2020, 13, 233-248.	8.5	4
50	Ensemble-learning based neural networks for novelty detection in multi-class systems. Applied Soft Computing Journal, 2020, 93, 106396.	7.2	15
51	Quantitative approaches for the integration of production and distribution planning in the supply chain: a systematic literature review. International Journal of Production Research, 2020, 58, 3527-3553.	7.5	37
52	Green food supply chain design considering risk and post-harvest losses: a case study. Annals of Operations Research, 2020, 295, 257-284.	4.1	50
53	Assessment of pre and post-disaster supply chain resilience based on network structural parameters with CVaR as a risk measure. International Journal of Production Economics, 2020, 227, 107655.	8.9	95
54	Low-Cost Adsorptive Removal Techniques for Pharmaceuticals and Personal Care Products. Energy, Environment, and Sustainability, 2020, , 397-421.	1.0	5

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55	Emerging technologies-based and digital twin driven inclusive manufacturing system. International Journal of Integrated Supply Management, 2020, 13, 353.	0.3	6
56	Asset liability management model with decision support system for life insurance companies: Computational results. Computers and Industrial Engineering, 2019, 128, 985-998.	6.3	14
57	Sustainable procurement performance of large enterprises across supply chain tiers and geographic regions. International Journal of Production Research, 2019, 57, 764-778.	7.5	38
58	Knowledge management based collaboration moderator services to support SMEs in virtual organizations. Production Planning and Control, 2019, 30, 951-970.	8.8	9
59	Estimation and maximization of user influence in social networks. International Journal of Information Management, 2019, 47, 44-51.	17.5	24
60	Hierarchical Template Matching for 3D Myocardial Tracking and Cardiac Strain Estimation. Scientific Reports, 2019, 9, 12450.	3.3	3
61	Ecosystem service assessment of selected wetlands of Kolkata and the Indian Gangetic Delta: multi-beneficial systems under differentiated management stress. Wetlands Ecology and Management, 2019, 27, 405-426.	1.5	41
62	Activity scheduling and resource allocation with uncertainties and learning in activities. Industrial Management and Data Systems, 2019, 119, 1289-1320.	3.7	4
63	Enhancing supply chain resilience using ontology-based decision support system. International Journal of Computer Integrated Manufacturing, 2019, 32, 642-657.	4.6	44
64	Interventions for delivering the triple-bottom-line. Production Planning and Control, 2019, 30, 347-352.	8.8	3
65	Part segregation based on particle swarm optimisation for assembly design in additive manufacturing. International Journal of Computer Integrated Manufacturing, 2019, 32, 705-722.	4.6	10
66	Integrated approach for optimizing quality control in international manufacturing networks. Production Planning and Control, 2019, 30, 225-238.	8.8	11
67	Multi-period price optimization problem for omnichannel retailers accounting for customer heterogeneity. International Journal of Production Economics, 2019, 212, 155-167.	8.9	48
68	Exploiting co-existence and co-evolution of mutualistic communities: A stable algorithm based on the plant-pollinator interactions. Computers and Industrial Engineering, 2019, 128, 637-650.	6.3	0
69	A multi-objective meta-heuristic approach for transit network design and frequency setting problem in a bus transit system. Computers and Industrial Engineering, 2019, 130, 166-186.	6.3	57
70	Mine sludge waste recycling as bio-stimulant for applications in anaerobic wastewater treatment. Water Science and Technology, 2019, 79, 425-434.	2.5	11
71	An integrated recommender system for improved accuracy and aggregate diversity. Computers and Industrial Engineering, 2019, 130, 187-197.	6.3	45
72	Digital Twin Driven Inclusive Manufacturing Using Emerging Technologies. IFAC-PapersOnLine, 2019, 52, 2225-2230.	0.9	17

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73	Modeling for deployment of digital technologies in the cold chain. IFAC-PapersOnLine, 2019, 52, 1192-1197.	0.9	10
74	Optimal Control of Production and Maintenance Operations in Smart Custom Manufacturing Systems with Multiple Machines. IFAC-PapersOnLine, 2019, 52, 241-246.	0.9	11
75	Sample average approximation for multi-vehicle collectionâ€disassembly problem under uncertainty. International Journal of Production Research, 2019, 57, 2409-2428.	7.5	27
76	Next generation smart manufacturing and service systems using big data analytics. Computers and Industrial Engineering, 2019, 128, 905-910.	6.3	40
77	Framework and modelling of inclusive manufacturing system. International Journal of Computer Integrated Manufacturing, 2019, 32, 105-123.	4.6	41
78	Multiple criteria risk averse model for multi-product newsvendor problem using conditional value at risk constraints. Information Sciences, 2019, 478, 595-605.	6.9	11
79	A noise correction-based approach to support a recommender system in a highly sparse rating environment. Decision Support Systems, 2019, 118, 46-57.	5.9	39
80	An efficient recommendation generation using relevant Jaccard similarity. Information Sciences, 2019, 483, 53-64.	6.9	178
81	Optimising online review inspired product attribute classification using the self-learning particle swarm-based Bayesian learning approach. International Journal of Production Research, 2019, 57, 3099-3120.	7.5	18
82	Predicting the consumer's purchase intention of durable goods: An attribute-level analysis. Journal of Business Research, 2019, 94, 408-419.	10.2	52
83	Multiobjective Approach for Sustainable Ship Routing and Scheduling With Draft Restrictions. IEEE Transactions on Engineering Management, 2019, 66, 35-51.	3.5	61
84	An integrated decision support system for strategic supply chain optimisation in process industries: the case of a zinc company. International Journal of Production Research, 2018, 56, 5866-5882.	7.5	9
85	Grain silo location-allocation problem with dwell time for optimization of food grain supply chain network. Transportation Research, Part E: Logistics and Transportation Review, 2018, 111, 40-69.	7.4	88
86	Decision support system for Pradhan Mantri Ujjwala Yojana. Energy Policy, 2018, 118, 455-461.	8.8	16
87	A Novel Hierarchical Template Matching Model for Cardiac Motion Estimation. Scientific Reports, 2018, 8, 4475.	3.3	3
88	Rule based optimization for a bulk handling port operations. Journal of Intelligent Manufacturing, 2018, 29, 287-311.	7.3	25
89	An MINLP model to support the movement and storage decisions of the Indian food grain supply chain. Control Engineering Practice, 2018, 70, 98-113.	5.5	40
90	Optimising integrated inventory policy for perishable items in a multi-stage supply chain. International Journal of Production Research, 2018, 56, 902-925.	7.5	58

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91	Design for manufacturing and assembly/disassembly: joint design of products and production systems. International Journal of Production Research, 2018, 56, 7181-7189.	7.5	48
92	Station Dispatching Problem for a Large Terminal: A Constraint Programming Approach. Interfaces, 2018, 48, 510-528.	1.5	6
93	Solving closed-loop supply chain problems using game theoretic particle swarm optimisation. International Journal of Production Research, 2018, 56, 5836-5853.	7.5	27
94	Markov random field segmentation for industrial computed tomography with metal artefacts. Journal of X-Ray Science and Technology, 2018, 26, 573-591.	1.0	3
95	Dual Market Facility Network Design under Bounded Rationality. Algorithms, 2018, 11, 54.	2.1	13
96	Modeling, analysis, and improvement of integrated productivity and energy consumption in a serial manufacturing system. Journal of Cleaner Production, 2018, 199, 296-304.	9.3	16
97	New decision support system for strategic planning in process industries: Computational results. Computers and Industrial Engineering, 2018, 124, 36-47.	6.3	10
98	Bayesian network modelling for supply chain risk propagation. International Journal of Production Research, 2018, 56, 5795-5819.	7.5	194
99	Reduction of carbon emission and total late work criterion in job shop scheduling by applying a multi-objective imperialist competitive algorithm. International Journal of Computational Intelligence Systems, 2018, 11, 805.	2.7	7
100	Designing multi-period supply chain network considering risk and emission: a multi-objective approach. Annals of Operations Research, 2017, 250, 427-461.	4.1	34
101	Closed loop supply chain networks: Designs for energy and time value efficiency. International Journal of Production Economics, 2017, 183, 382-393.	8.9	62
102	An integrated decision support system for berth and ship unloader allocation in bulk material handling port. Computers and Industrial Engineering, 2017, 106, 386-399.	6.3	41
103	A Multi-Agent System based simulation approach for planning procurement operations and scheduling with multiple cross-docks. Computers and Industrial Engineering, 2017, 107, 289-300.	6.3	17
104	A multi-period inventory transportation model for tactical planning of food grain supply chain. Computers and Industrial Engineering, 2017, 110, 379-394.	6.3	74
105	An integrated framework for product line design for modular products: product attribute and functionality-driven perspective. International Journal of Production Research, 2017, 55, 3862-3885.	7.5	28
106	Sustainable maritime inventory routing problem with time window constraints. Engineering Applications of Artificial Intelligence, 2017, 61, 77-95.	8.1	101
107	Bulk wheat transportation and storage problem of public distribution system. Computers and Industrial Engineering, 2017, 104, 80-97.	6.3	73
108	An evolutionary algorithmic approach to determine the Nash equilibrium in a duopoly with nonlinearities and constraints. Expert Systems With Applications, 2017, 74, 29-40.	7.6	6

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109	Big-data analytics framework for incorporating smallholders in sustainable palm oil production. <i>Production Planning and Control</i> , 2017, 28, 1365-1377.	8.8	42
110	Characterization, Modelling and Analysis of Light Reflectance During In-Process Surface Measurements Using White Light Based 3D Optical Gauge. , 2017, , .		1
111	Demand prediction and price optimization for semi-luxury supermarket segment. <i>Computers and Industrial Engineering</i> , 2017, 113, 91-102.	6.3	17
112	Effects of demand forecast and resource sharing on collaborative new product development in supply chain. <i>International Journal of Production Economics</i> , 2017, 193, 207-221.	8.9	27
113	Feasibility study for the introduction of synchromodal freight transportation concept. <i>Cogent Engineering</i> , 2017, 4, 1305649.	2.2	13
114	Humanitarian relief supply chain: a multi-objective model and solution. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017, 42, 1167-1174.	1.3	18
115	Modelling and simulation in health care systems. <i>International Journal of Systems Science: Operations and Logistics</i> , 2017, 4, 1-3.	3.0	2
116	Traceability using RFID and its formulation for a kiwifruit supply chain. <i>Computers and Industrial Engineering</i> , 2017, 103, 46-58.	6.3	59
117	Urban air quality forecasting based on multi-dimensional collaborative Support Vector Regression (SVR): A case study of Beijing-Tianjin-Shijiazhuang. <i>PLoS ONE</i> , 2017, 12, e0179763.	2.5	74
118	Two-echelon fuzzy stochastic supply chain for the manufacturerâ€™buyer integrated productionâ€™inventory system. <i>Journal of Intelligent Manufacturing</i> , 2016, 27, 875-888.	7.3	38
119	Distributed manufacturing: scope, challenges and opportunities. <i>International Journal of Production Research</i> , 2016, 54, 6917-6935.	7.5	219
120	Intelligent search techniques for network-based manufacturing systems: multi-objective formulation and solutions. <i>International Journal of Computer Integrated Manufacturing</i> , 2016, 29, 850-869.	4.6	14
121	The Self-Learning Particle Swarm Optimization approach for routing pickup and delivery of multiple products with material handling in multiple cross-docks. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016, 91, 208-226.	7.4	46
122	VMI versus information sharing: an analysis under static uncertainty strategy with fill rate constraints. <i>International Journal of Production Research</i> , 2016, 54, 3978-3993.	7.5	10
123	Composite particle algorithm for sustainable integrated dynamic ship routing and scheduling optimization. <i>Computers and Industrial Engineering</i> , 2016, 96, 201-215.	6.3	104
124	Facility location for a closed-loop distribution network: a hybrid approach. <i>International Journal of Retail and Distribution Management</i> , 2016, 44, 884-902.	4.7	15
125	Two Stage Indian Food Grain Supply Chain Network Transportation-Allocation Model. <i>IFAC-PapersOnLine</i> , 2016, 49, 1767-1772.	0.9	31
126	Characteristics of redistributed manufacturing systems: a comparative study of emerging industry supply networks. <i>International Journal of Production Research</i> , 2016, 54, 6936-6955.	7.5	35



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127	Impact of replenishment strategies on supply chain performance under e-shopping scenario. Computers and Industrial Engineering, 2016, 102, 78-87.	6.3	9
128	A techno-economic assessment of the liquefied natural gas (LNG) production facilities in Western Canada. Sustainable Energy Technologies and Assessments, 2016, 18, 140-152.	2.7	30
129	Editorial note on the special issue of "Distributed Manufacturing to Enhance Productivity". International Journal of Production Research, 2016, 54, 6913-6916.	7.5	1
130	A Hybrid Territory Defined evolutionary algorithm approach for closed loop green supply chain network design. Computers and Industrial Engineering, 2016, 99, 432-447.	6.3	30
131	Vibration suppression of a tool in a lathe machine through contract-based design. International Journal of Advanced Manufacturing Technology, 2016, 86, 1763-1773.	3.0	1
132	Performance measures based optimization of supply chain network resilience: A NSGA-II + Co-Kriging approach. Computers and Industrial Engineering, 2016, 93, 205-214.	6.3	53
133	Bi-objective optimization of three echelon supply chain involving truck selection and loading using NSGA-II with heuristics algorithm. Applied Soft Computing Journal, 2016, 38, 978-987.	7.2	34
134	An efficient ICA-DW-SVDD fault detection and diagnosis method for non-Gaussian processes. International Journal of Production Research, 2016, 54, 5208-5218.	7.5	20
135	Integration of process planning and scheduling using mobile-agent based approach in a networked manufacturing environment. Computers and Industrial Engineering, 2016, 94, 63-73.	6.3	35
136	An integrated inventory optimization model for facility location-allocation problem. International Journal of Production Research, 2016, 54, 3640-3658.	7.5	25
137	Towards green automated production line with rotary transfer and turrets: a multi-objective approach using a binary scatter tabu search procedure. International Journal of Computer Integrated Manufacturing, 2016, 29, 768-785.	4.6	13
138	Mining consumer reviews to generate ratings of different product attributes while producing feature-based review-summary. International Journal of Systems Science, 2016, 47, 3272-3286.	5.5	33
139	Integrated scheduling of rake and stockyard management with ship berthing: a block based evolutionary algorithm. International Journal of Production Research, 2016, 54, 4182-4204.	7.5	26
140	Unequal-area stochastic facility layout problems: solutions using improved covariance matrix adaptation evolution strategy, particle swarm optimisation, and genetic algorithm. International Journal of Production Research, 2016, 54, 799-823.	7.5	18
141	Interpretive structural modeling-analytic network process integrated framework for evaluating sustainable supply chain management alternatives. Applied Mathematical Modelling, 2016, 40, 3671-3687.	4.2	59
142	Multi-objective modeling of production and pollution routing problem with time window: A self-learning particle swarm optimization approach. Computers and Industrial Engineering, 2016, 99, 29-40.	6.3	114
143	The robust quay crane allocation for a discrete bulk material handling port. , 2015, , .		8
144	Using a particle swarm optimization approach to examine a competitive production situation constrained by sustainable levels of pollution. , 2015, , .		0

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145	Robust Formulation for Optimizing Sustainable Ship Routing and Scheduling Problem. IFAC-PapersOnLine, 2015, 48, 368-373.	0.9	17
146	A Particle Swarm Optimization Approach for Route Planning with Cross-Docking. , 2015, , .		3
147	Introduction: Sustainable shipping and transport logistics in developing economies. International Journal of Shipping and Transport Logistics, 2015, 7, 649.	0.5	1
148	Development of an Effective Cost Minimization Model for Food Grain Shipments. IFAC-PapersOnLine, 2015, 48, 881-886.	0.9	22
149	Novel fuzzy hybrid multi-criteria group decision making approaches for the strategic supplier selection problem. Expert Systems With Applications, 2015, 42, 3342-3356.	7.6	90
150	A carbon market sensitive optimization model for integrated forwardâ€“reverse logistics. International Journal of Production Economics, 2015, 164, 433-444.	8.9	106
151	An optimization model for a monopolistic firm serving an environmentally conscious market: Use of chemical reaction optimization algorithm. International Journal of Production Economics, 2015, 164, 409-420.	8.9	22
152	Product feature and functionality driven integrated framework for product commercialization in presence of qualitative consumer reviews. International Journal of Production Research, 2015, 53, 4769-4788.	7.5	15
153	A biased random key genetic algorithm approach for inventory-based multi-item lot-sizing problem. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 157-171.	2.4	14
154	A Pareto block-based estimation and distribution algorithm for multi-objective permutation flow shop scheduling problem. International Journal of Production Research, 2015, 53, 793-834.	7.5	23
155	Minimizing delay of ships in bulk terminals by simultaneous ship scheduling, stockyard planning and train scheduling. Maritime Economics and Logistics, 2015, 17, 464-492.	4.0	20
156	Multivariate optimization for electrochemical oxidation of methyl orange: Pathway identification and toxicity analysis. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 301-310.	1.7	36
157	A supply chain network equilibrium model for operational and opportunism risk mitigation. International Journal of Production Research, 2015, 53, 5685-5715.	7.5	43
158	Decision Support System for Discrete Robust Berth Allocation. IFAC-PapersOnLine, 2015, 48, 875-880.	0.9	18
159	Key characteristics-based sensor distribution in multi-station assembly processes. Journal of Intelligent Manufacturing, 2015, 26, 43-58.	7.3	26
160	Tactical production planning in a hybrid Make-to-Stockâ€“Make-to-Order environment under supply, process and demand uncertainties: a robust optimisation model. International Journal of Production Research, 2015, 53, 1358-1386.	7.5	25
161	Multi-objective process planning and scheduling using controlled elitist non-dominated sorting genetic algorithm. International Journal of Production Research, 2015, 53, 1712-1735.	7.5	65
162	Resource Scalability in Networked Manufacturing System: Social Network Analysis Social network analysis Based Approach. , 2015, , 3439-3450.		1

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163	Process Plan and Scheduling Integration for Networked Manufacturing Using Mobile-Agent Based Approach Mobile-agent. , 2015, , 3475-3485.		0
164	A nested partitioning-based approach to integrate process planning and scheduling in flexible manufacturing environment. International Journal of Computer Integrated Manufacturing, 2014, , 1-15.	4.6	3
165	Evaluating Reverse Supply Chain Efficiency: Manufacturer's Perspective. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	6
166	Dynamic scheduling of oil tankers with splitting of cargo at pickup and delivery locations: a Multi-objective Ant Colony-based approach. International Journal of Production Research, 2014, 52, 7436-7453.	7.5	23
167	Optimal partitioning of vertical zones in vehicle-based warehouse systems. International Journal of Production Research, 2014, 52, 1285-1305.	7.5	10
168	A real time clustering and SVM based price-volatility prediction for optimal trading strategy. Neurocomputing, 2014, 131, 419-426.	5.9	47
169	Green supply chain performance measurement using fuzzy ANP-based balanced scorecard: a collaborative decision-making approach. Production Planning and Control, 2014, 25, 698-714.	8.8	213
170	Kinetics of biotransformation of chlorpyrifos in aqueous and soil slurry environments. Water Research, 2014, 51, 73-85.	11.3	39
171	A predictive risk evaluation framework for modular product concept selection in new product design environment. Journal of Engineering Design, 2014, 25, 150-171.	2.3	29
172	Evaluation of a multi-sensor horizontal dual arm Coordinate Measuring Machine for automotive dimensional inspection. International Journal of Advanced Manufacturing Technology, 2014, 72, 1665-1675.	3.0	15
173	A synchronized strategy to minimize vehicle dispatching time: a real example of steel industry. Advances in Manufacturing, 2014, 2, 333-343.	6.1	10
174	An intermodal freight transport system for optimal supply chain logistics. Transportation Research Part C: Emerging Technologies, 2014, 38, 73-84.	7.6	73
175	Enhancement of Mahalanobis's Taguchi System via Rough Sets based Feature Selection. Expert Systems With Applications, 2014, 41, 8003-8015.	7.6	32
176	Adaptive production control system for a flexible manufacturing cell using support vector machine-based approach. International Journal of Advanced Manufacturing Technology, 2013, 67, 969-981.	3.0	20
177	Logistics planning and inventory optimization using swarm intelligence: a third party perspective. International Journal of Advanced Manufacturing Technology, 2013, 65, 1535-1551.	3.0	8
178	Simultaneous analysis of endosulfan, chlorpyrifos, and their metabolites in natural soil and water samples using gas chromatography-tandem mass spectrometry. Environmental Monitoring and Assessment, 2013, 185, 8451-8463.	2.7	12
179	Multi objective outbound logistics network design for a manufacturing supply chain. Journal of Intelligent Manufacturing, 2013, 24, 1071-1084.	7.3	50
180	Production planning optimization for manufacturing and remanufacturing system in stochastic environment. Journal of Intelligent Manufacturing, 2013, 24, 717-728.	7.3	59

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182	A fuzzy clustering-based genetic algorithm approach for timeâ€‘costâ€‘quality trade-off problems: A case study of highway construction project. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 1953-1966.	8.1	90
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