

Manoj Kumar Tiwari

List of Publications by Year in descending order

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Version: 2024-02-01

233
papers

9,142
citations

50170

46
h-index

60497

81
g-index

238
all docs

238
docs citations

238
times ranked

7386
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling agility of supply chain. <i>Industrial Marketing Management</i> , 2007, 36, 443-457.	3.7	493
2	Impact of COVID-19 on logistics systems and disruptions in food supply chain. <i>International Journal of Production Research</i> , 2021, 59, 1993-2008.	4.9	485
3	Analyzing alternatives in reverse logistics for end-of-life computers: ANP and balanced scorecard approach. <i>Computers and Industrial Engineering</i> , 2005, 48, 327-356.	3.4	386
4	Distributed manufacturing: scope, challenges and opportunities. <i>International Journal of Production Research</i> , 2016, 54, 6917-6935.	4.9	219
5	A decision framework for the analysis of green supply chain contracts: An evolutionary game approach. <i>Expert Systems With Applications</i> , 2012, 39, 2965-2976.	4.4	216
6	Green supply chain performance measurement using fuzzy ANP-based balanced scorecard: a collaborative decision-making approach. <i>Production Planning and Control</i> , 2014, 25, 698-714.	5.8	213
7	Bayesian network modelling for supply chain risk propagation. <i>International Journal of Production Research</i> , 2018, 56, 5795-5819.	4.9	194
8	An efficient recommendation generation using relevant Jaccard similarity. <i>Information Sciences</i> , 2019, 483, 53-64.	4.0	178
9	Machine learning in manufacturing and industry 4.0 applications. <i>International Journal of Production Research</i> , 2021, 59, 4773-4778.	4.9	167
10	Clustering Indian stock market data for portfolio management. <i>Expert Systems With Applications</i> , 2010, 37, 8793-8798.	4.4	156
11	Minimisation of supply chain cost with embedded risk using computational intelligence approaches. <i>International Journal of Production Research</i> , 2010, 48, 3717-3739.	4.9	141
12	Six Sigma implementation framework for SMEs – a roadmap to manage and sustain the change. <i>International Journal of Production Research</i> , 2011, 49, 5449-5467.	4.9	141
13	Solving Part-Type Selection and Operation Allocation Problems in an FMS: An Approach Using Constraints-Based Fast Simulated Annealing Algorithm. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2006, 36, 1170-1184.	3.4	139
14	Influence of extrinsic factors on granulation in UASB reactor. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 145-154.	1.7	115
15	Multi-objective modeling of production and pollution routing problem with time window: A self-learning particle swarm optimization approach. <i>Computers and Industrial Engineering</i> , 2016, 99, 29-40.	3.4	114
16	Leak detection of pipeline: An integrated approach of rough set theory and artificial bee colony trained SVM. <i>Expert Systems With Applications</i> , 2012, 39, 3071-3080.	4.4	111
17	A review of leakage detection strategies for pressurised pipeline in steady-state. <i>Engineering Failure Analysis</i> , 2020, 109, 104264.	1.8	110
18	A carbon market sensitive optimization model for integrated forward–reverse logistics. <i>International Journal of Production Economics</i> , 2015, 164, 433-444.	5.1	106

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19	Composite particle algorithm for sustainable integrated dynamic ship routing and scheduling optimization. <i>Computers and Industrial Engineering</i> , 2016, 96, 201-215.	3.4	104
20	Sustainable maritime inventory routing problem with time window constraints. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 61, 77-95.	4.3	101
21	Assessment of pre and post-disaster supply chain resilience based on network structural parameters with CVaR as a risk measure. <i>International Journal of Production Economics</i> , 2020, 227, 107655.	5.1	95
22	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.	4.3	90
23	Novel fuzzy hybrid multi-criteria group decision making approaches for the strategic supplier selection problem. <i>Expert Systems With Applications</i> , 2015, 42, 3342-3356.	4.4	90
24	Grain silo location-allocation problem with dwell time for optimization of food grain supply chain network. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 111, 40-69.	3.7	88
25	Developing a reconfigurability index using multi-attribute utility theory. <i>International Journal of Production Research</i> , 2011, 49, 1669-1683.	4.9	81
26	Synchronized Truck and Drone Routing in Package Delivery Logistics. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5772-5782.	4.7	80
27	A multi-period inventory transportation model for tactical planning of food grain supply chain. <i>Computers and Industrial Engineering</i> , 2017, 110, 379-394.	3.4	74
28	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.	1.1	74
29	Modelling of sustainable food grain supply chain distribution system: a bi-objective approach. <i>International Journal of Production Research</i> , 2020, 58, 5521-5544.	4.9	74
30	An intermodal freight transport system for optimal supply chain logistics. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 38, 73-84.	3.9	73
31	Bulk wheat transportation and storage problem of public distribution system. <i>Computers and Industrial Engineering</i> , 2017, 104, 80-97.	3.4	73
32	Fast clonal algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2008, 21, 106-128.	4.3	67
33	Multi-objective process planning and scheduling using controlled elitist non-dominated sorting genetic algorithm. <i>International Journal of Production Research</i> , 2015, 53, 1712-1735.	4.9	65
34	Closed loop supply chain networks: Designs for energy and time value efficiency. <i>International Journal of Production Economics</i> , 2017, 183, 382-393.	5.1	62
35	Multiobjective Approach for Sustainable Ship Routing and Scheduling With Draft Restrictions. <i>IEEE Transactions on Engineering Management</i> , 2019, 66, 35-51.	2.4	61
36	Production planning optimization for manufacturing and remanufacturing system in stochastic environment. <i>Journal of Intelligent Manufacturing</i> , 2013, 24, 717-728.	4.4	59

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37	Interpretive structural modeling-analytic network process integrated framework for evaluating sustainable supply chain management alternatives. <i>Applied Mathematical Modelling</i> , 2016, 40, 3671-3687.	2.2	59
38	Traceability using RFID and its formulation for a kiwifruit supply chain. <i>Computers and Industrial Engineering</i> , 2017, 103, 46-58.	3.4	59
39	Optimising integrated inventory policy for perishable items in a multi-stage supply chain. <i>International Journal of Production Research</i> , 2018, 56, 902-925.	4.9	58
40	A multi-objective meta-heuristic approach for transit network design and frequency setting problem in a bus transit system. <i>Computers and Industrial Engineering</i> , 2019, 130, 166-186.	3.4	57
41	Performance measures based optimization of supply chain network resilience: A NSGA-II + Co-Kriging approach. <i>Computers and Industrial Engineering</i> , 2016, 93, 205-214.	3.4	53
42	A Hybrid Taguchi-Immune approach to optimize an integrated supply chain design problem with multiple shipping. <i>European Journal of Operational Research</i> , 2010, 203, 95-106.	3.5	52
43	Predicting the consumer's purchase intention of durable goods: An attribute-level analysis. <i>Journal of Business Research</i> , 2019, 94, 408-419.	5.8	52
44	Multi-objective particle swarm optimisation based integrated production inventory routing planning for efficient perishable food logistics operations. <i>International Journal of Production Research</i> , 2020, 58, 5155-5174.	4.9	51
45	Multi objective outbound logistics network design for a manufacturing supply chain. <i>Journal of Intelligent Manufacturing</i> , 2013, 24, 1071-1084.	4.4	50
46	Do interorganisational relationships and knowledge-management practices enhance collaborative commerce adoption?. <i>International Journal of Production Research</i> , 2013, 51, 2006-2018.	4.9	50
47	Hybridizing Basic Variable Neighborhood Search With Particle Swarm Optimization for Solving Sustainable Ship Routing and Bunker Management Problem. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 986-997.	4.7	50
48	Green food supply chain design considering risk and post-harvest losses: a case study. <i>Annals of Operations Research</i> , 2020, 295, 257-284.	2.6	50
49	Fuel Bunker Management Strategies Within Sustainable Container Shipping Operation Considering Disruption and Recovery Policies. <i>IEEE Transactions on Engineering Management</i> , 2021, 68, 1089-1111.	2.4	49
50	Supply chain system design integrated with risk pooling. <i>Computers and Industrial Engineering</i> , 2013, 64, 580-588.	3.4	48
51	Design for manufacturing and assembly/disassembly: joint design of products and production systems. <i>International Journal of Production Research</i> , 2018, 56, 7181-7189.	4.9	48
52	Multi-period price optimization problem for omnichannel retailers accounting for customer heterogeneity. <i>International Journal of Production Economics</i> , 2019, 212, 155-167.	5.1	48
53	A real time clustering and SVM based price-volatility prediction for optimal trading strategy. <i>Neurocomputing</i> , 2014, 131, 419-426.	3.5	47
54	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.	3.7	46

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55	Psycho-Clonal algorithm based approach to solve continuous flow shop scheduling problem. <i>Expert Systems With Applications</i> , 2006, 31, 504-514.	4.4	45
56	An integrated recommender system for improved accuracy and aggregate diversity. <i>Computers and Industrial Engineering</i> , 2019, 130, 187-197.	3.4	45
57	Enhancing supply chain resilience using ontology-based decision support system. <i>International Journal of Computer Integrated Manufacturing</i> , 2019, 32, 642-657.	2.9	44
58	Enhanced granulation by natural ionic polymer additives in UASB reactor treating low-strength wastewater. <i>Water Research</i> , 2005, 39, 3801-3810.	5.3	43
59	Genetic-algorithms-based algorithm portfolio for inventory routing problem with stochastic demand. <i>International Journal of Production Research</i> , 2013, 51, 118-137.	4.9	43
60	A supply chain network equilibrium model for operational and opportunism risk mitigation. <i>International Journal of Production Research</i> , 2015, 53, 5685-5715.	4.9	43
61	A hybrid dynamic berth allocation planning problem with fuel costs considerations for container terminal port using chemical reaction optimization approach. <i>Annals of Operations Research</i> , 2020, 290, 783-811.	2.6	43
62	Big-data analytics framework for incorporating smallholders in sustainable palm oil production. <i>Production Planning and Control</i> , 2017, 28, 1365-1377.	5.8	42
63	An integrated decision support system for berth and ship unloader allocation in bulk material handling port. <i>Computers and Industrial Engineering</i> , 2017, 106, 386-399.	3.4	41
64	Ecosystem service assessment of selected wetlands of Kolkata and the Indian Gangetic Delta: multi-beneficial systems under differentiated management stress. <i>Wetlands Ecology and Management</i> , 2019, 27, 405-426.	0.7	41
65	Framework and modelling of inclusive manufacturing system. <i>International Journal of Computer Integrated Manufacturing</i> , 2019, 32, 105-123.	2.9	41
66	Bunkering policies for a fuel bunker management problem for liner shipping networks. <i>European Journal of Operational Research</i> , 2021, 289, 927-939.	3.5	41
67	A hybrid model of component sharing and platform modularity for optimal product family design. <i>International Journal of Production Research</i> , 2013, 51, 614-625.	4.9	40
68	An MINLP model to support the movement and storage decisions of the Indian food grain supply chain. <i>Control Engineering Practice</i> , 2018, 70, 98-113.	3.2	40
69	Next generation smart manufacturing and service systems using big data analytics. <i>Computers and Industrial Engineering</i> , 2019, 128, 905-910.	3.4	40
70	Project portfolio selection and scheduling optimization based on risk measure: a conditional value at risk approach. <i>Annals of Operations Research</i> , 2020, 285, 9-33.	2.6	40
71	Kinetics of biotransformation of chlorpyrifos in aqueous and soil slurry environments. <i>Water Research</i> , 2014, 51, 73-85.	5.3	39
72	A noise correction-based approach to support a recommender system in a highly sparse rating environment. <i>Decision Support Systems</i> , 2019, 118, 46-57.	3.5	39

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73	Two-echelon fuzzy stochastic supply chain for the manufacturerâ€“buyer integrated productionâ€“inventory system. <i>Journal of Intelligent Manufacturing</i> , 2016, 27, 875-888.	4.4	38
74	Sustainable procurement performance of large enterprises across supply chain tiers and geographic regions. <i>International Journal of Production Research</i> , 2019, 57, 764-778.	4.9	38
75	Effect of carbon tax on reverse logistics network design. <i>Computers and Industrial Engineering</i> , 2020, 139, 106184.	3.4	38
76	The impact of the Internet of Things (IoT) on servitization: an exploration of changing supply relationships. <i>Production Planning and Control</i> , 2020, 31, 203-219.	5.8	37
77	Quantitative approaches for the integration of production and distribution planning in the supply chain: a systematic literature review. <i>International Journal of Production Research</i> , 2020, 58, 3527-3553.	4.9	37
78	Multivariate optimization for electrochemical oxidation of methyl orange: Pathway identification and toxicity analysis. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 301-310.	0.9	36
79	Characteristics of redistributed manufacturing systems: a comparative study of emerging industry supply networks. <i>International Journal of Production Research</i> , 2016, 54, 6936-6955.	4.9	35
80	Integration of process planning and scheduling using mobile-agent based approach in a networked manufacturing environment. <i>Computers and Industrial Engineering</i> , 2016, 94, 63-73.	3.4	35
81	An efficient hybrid evolutionary heuristic using genetic algorithm and simulated annealing algorithm to solve machine loading problem in FMS. <i>International Journal of Production Research</i> , 2009, 47, 5421-5448.	4.9	34
82	Aggregate procurement, production, and shipment planning decision problem for a three-echelon supply chain using swarm-based heuristics. <i>International Journal of Production Research</i> , 2011, 49, 2873-2905.	4.9	34
83	Integration of process planning and scheduling through adaptive setup planning: a multi-objective approach. <i>International Journal of Production Research</i> , 2013, 51, 7190-7208.	4.9	34
84	Bi-objective optimization of three echelon supply chain involving truck selection and loading using NSGA-II with heuristics algorithm. <i>Applied Soft Computing Journal</i> , 2016, 38, 978-987.	4.1	34
85	Designing multi-period supply chain network considering risk and emission: a multi-objective approach. <i>Annals of Operations Research</i> , 2017, 250, 427-461.	2.6	34
86	Mining consumer reviews to generate ratings of different product attributes while producing feature-based review-summary. <i>International Journal of Systems Science</i> , 2016, 47, 3272-3286.	3.7	33
87	Enhancement of Mahalanobisâ€“Taguchi System via Rough Sets based Feature Selection. <i>Expert Systems With Applications</i> , 2014, 41, 8003-8015.	4.4	32
88	A PSO-based optimum consumer incentive policy for WEEE incorporating reliability of components. <i>International Journal of Production Research</i> , 2012, 50, 4372-4380.	4.9	31
89	Two Stage Indian Food Grain Supply Chain Network Transportation-Allocation Model. <i>IFAC-PapersOnLine</i> , 2016, 49, 1767-1772.	0.5	31
90	Modelling supply chain network for procurement of food grains in India. <i>International Journal of Production Research</i> , 2020, 58, 6493-6512.	4.9	31

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91	A techno-economic assessment of the liquefied natural gas (LNG) production facilities in Western Canada. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 18, 140-152.	1.7	30
92	A Hybrid Territory Defined evolutionary algorithm approach for closed loop green supply chain network design. <i>Computers and Industrial Engineering</i> , 2016, 99, 432-447.	3.4	30
93	Algorithm portfolios for logistics optimization considering stochastic demands and mobility allowance. <i>International Journal of Production Economics</i> , 2013, 141, 146-166.	5.1	29
94	A predictive risk evaluation framework for modular product concept selection in new product design environment. <i>Journal of Engineering Design</i> , 2014, 25, 150-171.	1.1	29
95	Stochastic batch dispersion model to optimize traceability and enhance transparency using Blockchain. <i>Computers and Industrial Engineering</i> , 2021, 154, 107134.	3.4	29
96	Optimal process plan selection in networked based manufacturing using game-theoretic approach. <i>International Journal of Production Research</i> , 2012, 50, 5239-5258.	4.9	28
97	An integrated framework for product line design for modular products: product attribute and functionality-driven perspective. <i>International Journal of Production Research</i> , 2017, 55, 3862-3885.	4.9	28
98	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.	5.1	27
99	Solving closed-loop supply chain problems using game theoretic particle swarm optimisation. <i>International Journal of Production Research</i> , 2018, 56, 5836-5853.	4.9	27
100	Sample average approximation for multi-vehicle collection/disassembly problem under uncertainty. <i>International Journal of Production Research</i> , 2019, 57, 2409-2428.	4.9	27
101	A lean approach to healthcare management using multi criteria decision making. <i>Opsearch</i> , 2021, 58, 610-635.	1.1	27
102	Key characteristics-based sensor distribution in multi-station assembly processes. <i>Journal of Intelligent Manufacturing</i> , 2015, 26, 43-58.	4.4	26
103	Integrated scheduling of rake and stockyard management with ship berthing: a block based evolutionary algorithm. <i>International Journal of Production Research</i> , 2016, 54, 4182-4204.	4.9	26
104	Knowledge management and supporting tools for collaborative networks. <i>International Journal of Production Research</i> , 2013, 51, 1953-1957.	4.9	25
105	Tactical production planning in a hybrid Make-to-Stock/Make-to-Order environment under supply, process and demand uncertainties: a robust optimisation model. <i>International Journal of Production Research</i> , 2015, 53, 1358-1386.	4.9	25
106	An integrated inventory optimization model for facility location-allocation problem. <i>International Journal of Production Research</i> , 2016, 54, 3640-3658.	4.9	25
107	Rule based optimization for a bulk handling port operations. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 287-311.	4.4	25
108	Estimation and maximization of user influence in social networks. <i>International Journal of Information Management</i> , 2019, 47, 44-51.	10.5	24

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109	Copula-based probabilistic spectral algorithms for high-frequent streamflow estimation. Remote Sensing of Environment, 2020, 251, 112092.	4.6	24
110	A reinforcement learning-based algorithm for the aircraft maintenance routing problem. Expert Systems With Applications, 2021, 169, 114399.	4.4	24
111	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.	4.9	23
112	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.	4.9	23
113	Impact of financial risk on supply chains: a manufacturer-supplier relational perspective. International Journal of Production Research, 2021, 59, 7090-7105.	4.9	23
114	Role of corporate memory in the global supply chain environment. International Journal of Production Research, 2009, 47, 5311-5342.	4.9	22
115	Addressing lot sizing and warehousing scheduling problem in manufacturing environment. Expert Systems With Applications, 2011, 38, 11751-11762.	4.4	22
116	Development of an Effective Cost Minimization Model for Food Grain Shipments. IFAC-PapersOnLine, 2015, 48, 881-886.	0.5	22
117	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.	5.1	22
118	Kinetics of the biodegradation pathway of endosulfan in the aerobic and anaerobic environments. Chemosphere, 2013, 93, 567-573.	4.2	21
119	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.	1.5	20
120	Minimizing delay of ships in bulk terminals by simultaneous ship scheduling, stockyard planning and train scheduling. Maritime Economics and Logistics, 2015, 17, 464-492.	2.0	20
121	An efficient ICA-DW-SVDD fault detection and diagnosis method for non-Gaussian processes. International Journal of Production Research, 2016, 54, 5208-5218.	4.9	20
122	Multi-objective resource assignment problem in a product-driven supply chain using a Taguchi-based DNA algorithm. International Journal of Production Research, 2009, 47, 2345-2371.	4.9	19
123	Minimizing transportation cost of a joint inventory location model using modified adaptive differential evolution algorithm. International Journal of Advanced Manufacturing Technology, 2012, 60, 329-341.	1.5	19
124	Realising process planning and scheduling integration through adaptive setup planning. International Journal of Production Research, 2013, 51, 2301-2323.	4.9	19
125	Hybrid Petri-nets for modelling and performance evaluation of supply chains. International Journal of Production Research, 2011, 49, 4627-4656.	4.9	18
126	Knowledge sharing assessment: An Ant Colony System based Data Envelopment Analysis approach. Expert Systems With Applications, 2013, 40, 3137-3144.	4.4	18

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127	Decision Support System for Discrete Robust Berth Allocation. IFAC-PapersOnLine, 2015, 48, 875-880.	0.5	18
128	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.	4.9	18
129	Humanitarian relief supply chain: a multi-objective model and solution. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 1167-1174.	0.8	18
130	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.	4.9	18
131	A block-based evolutionary algorithm for flow-shop scheduling problem. Applied Soft Computing Journal, 2013, 13, 4536-4547.	4.1	17
132	Robust Formulation for Optimizing Sustainable Ship Routing and Scheduling Problem. IFAC-PapersOnLine, 2015, 48, 368-373.	0.5	17
133	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.	3.4	17
134	Demand prediction and price optimization for semi-luxury supermarket segment. Computers and Industrial Engineering, 2017, 113, 91-102.	3.4	17
135	Digital Twin Driven Inclusive Manufacturing Using Emerging Technologies. IFAC-PapersOnLine, 2019, 52, 2225-2230.	0.5	17
136	Decision support system for Pradhan Mantri Ujjwala Yojana. Energy Policy, 2018, 118, 455-461.	4.2	16
137	Modeling, analysis, and improvement of integrated productivity and energy consumption in a serial manufacturing system. Journal of Cleaner Production, 2018, 199, 296-304.	4.6	16
138	Knowledge discOvery And daTa minINg inteGrated (KOATING) Moderators for collaborative projects. International Journal of Production Research, 2011, 49, 7029-7057.	4.9	15
139	GA Guided Cluster Based Fuzzy Decision Tree for Reactive Ion Etching Modeling: A Data Mining Approach. IEEE Transactions on Semiconductor Manufacturing, 2012, 25, 45-56.	1.4	15
140	Development of a module based service family design for mass customization of airline sector using the coalition game. Computers and Industrial Engineering, 2013, 66, 827-833.	3.4	15
141	Near optimal process plan selection for multiple jobs in networked based manufacturing using multi-objective evolutionary algorithms. Computers and Industrial Engineering, 2013, 66, 63-76.	3.4	15
142	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.	1.5	15
143	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.	4.9	15
144	Facility location for a closed-loop distribution network: a hybrid approach. International Journal of Retail and Distribution Management, 2016, 44, 884-902.	2.7	15

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145	Ensemble-learning based neural networks for novelty detection in multi-class systems. <i>Applied Soft Computing Journal</i> , 2020, 93, 106396.	4.1	15
146	Solving the design of distributed layout problem using forecast windows: A hybrid algorithm approach. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013, 29, 128-138.	6.1	14
147	A biased random key genetic algorithm approach for inventory-based multi-item lot-sizing problem. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2015, 229, 157-171.	1.5	14
148	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.	2.9	14
149	Asset liability management model with decision support system for life insurance companies: Computational results. <i>Computers and Industrial Engineering</i> , 2019, 128, 985-998.	3.4	14
150	Designing a food supply chain for enhanced social sustainability in developing countries. <i>International Journal of Production Research</i> , 2023, 61, 3184-3204.	4.9	14
151	B2B multi-attribute e-procurement: an artificial immune system based goal programming approach. <i>International Journal of Production Research</i> , 2011, 49, 321-341.	4.9	13
152	Role of Soil Organic Matter on the Sorption and Cosorption of Endosulfan and Chlorpyrifos on Agricultural Soils. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 426-435.	0.7	13
153	Towards green automated production line with rotary transfer and turrets: a multi-objective approach using a binary scatter tabu search procedure. <i>International Journal of Computer Integrated Manufacturing</i> , 2016, 29, 768-785.	2.9	13
154	Feasibility study for the introduction of synchromodal freight transportation concept. <i>Cogent Engineering</i> , 2017, 4, 1305649.	1.1	13
155	Dual Market Facility Network Design under Bounded Rationality. <i>Algorithms</i> , 2018, 11, 54.	1.2	13
156	Optimization of vehicle speed for batches to minimize supply chain cost under uncertain demand. <i>Information Sciences</i> , 2020, 515, 26-43.	4.0	13
157	A highly optimised tolerance-based approach for multi-stage, multi-product supply chain network design. <i>International Journal of Production Research</i> , 2012, 50, 5430-5444.	4.9	12
158	Simultaneous analysis of endosulfan, chlorpyrifos, and their metabolites in natural soil and water samples using gas chromatography-tandem mass spectrometry. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 8451-8463.	1.3	12
159	Mitigating demand risk of durable goods in online retailing. <i>International Journal of Retail and Distribution Management</i> , 2020, 49, 165-186.	2.7	12
160	Performance indicators-based energy sustainability in urban water distribution networks: A state-of-art review and conceptual framework. <i>Sustainable Cities and Society</i> , 2021, 72, 103036.	5.1	12
161	Integrated approach for optimizing quality control in international manufacturing networks. <i>Production Planning and Control</i> , 2019, 30, 225-238.	5.8	11
162	Mine sludge waste recycling as bio-stimulant for applications in anaerobic wastewater treatment. <i>Water Science and Technology</i> , 2019, 79, 425-434.	1.2	11

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163	Optimal Control of Production and Maintenance Operations in Smart Custom Manufacturing Systems with Multiple Machines. IFAC-PapersOnLine, 2019, 52, 241-246.	0.5	11
164	Multiple criteria risk averse model for multi-product newsvendor problem using conditional value at risk constraints. Information Sciences, 2019, 478, 595-605.	4.0	11
165	Enhanced granulation in UASB reactor treating low-strength wastewater by natural polymers. Water Science and Technology, 2004, 50, 235-240.	1.2	10
166	Editorial note for the special issue on "Effective decision support to implement lean and six sigma methodologies in the manufacturing and service sectors"™. International Journal of Production Research, 2008, 46, 6563-6566.	4.9	10
167	Optimal partitioning of vertical zones in vehicle-based warehouse systems. International Journal of Production Research, 2014, 52, 1285-1305.	4.9	10
168	A synchronized strategy to minimize vehicle dispatching time: a real example of steel industry. Advances in Manufacturing, 2014, 2, 333-343.	3.2	10
169	VMI versus information sharing: an analysis under static uncertainty strategy with fill rate constraints. International Journal of Production Research, 2016, 54, 3978-3993.	4.9	10
170	New decision support system for strategic planning in process industries: Computational results. Computers and Industrial Engineering, 2018, 124, 36-47.	3.4	10
171	Part segregation based on particle swarm optimisation for assembly design in additive manufacturing. International Journal of Computer Integrated Manufacturing, 2019, 32, 705-722.	2.9	10
172	Modeling for deployment of digital technologies in the cold chain. IFAC-PapersOnLine, 2019, 52, 1192-1197.	0.5	10
173	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.	4.8	10
174	Impact of replenishment strategies on supply chain performance under e-shopping scenario. Computers and Industrial Engineering, 2016, 102, 78-87.	3.4	9
175	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.	4.9	9
176	Knowledge management based collaboration moderator services to support SMEs in virtual organizations. Production Planning and Control, 2019, 30, 951-970.	5.8	9
177	Unpacking the role of primary packaging material in designing green supply chains: An integrated approach. International Journal of Production Economics, 2021, 236, 108133.	5.1	9
178	Logistics planning and inventory optimization using swarm intelligence: a third party perspective. International Journal of Advanced Manufacturing Technology, 2013, 65, 1535-1551.	1.5	8
179	Design of computer network topologies: A Vroom Inspired Psychoclonal Algorithm. Applied Mathematical Modelling, 2013, 37, 888-902.	2.2	8
180	The robust quay crane allocation for a discrete bulk material handling port. , 2015, , .		8

#	ARTICLE	IF	CITATIONS
181	A hybrid ensemble learning-based prediction model to minimise delay in air cargo transport using bagging and stacking. <i>International Journal of Production Research</i> , 2022, 60, 644-660.	4.9	8
182	A new case of rank reversal in analytic hierarchy process due to aggregation of cost and benefit criteria. <i>Operations Research Perspectives</i> , 2021, 8, 100185.	1.2	7
183	Optimal allocation of near-expiry food in a retailer-foodbank supply network with economic and environmental considerations: An aggregator's perspective. <i>Journal of Cleaner Production</i> , 2021, 318, 128481.	4.6	7
184	Reduction of carbon emission and total late work criterion in job shop scheduling by applying a multi-objective imperialist competitive algorithm. <i>International Journal of Computational Intelligence Systems</i> , 2018, 11, 805.	1.6	7
185	Designing a sustainable freight transportation network with cross-docks. <i>International Journal of Production Research</i> , 2023, 61, 1455-1478.	4.9	7
186	Evaluating Reverse Supply Chain Efficiency: Manufacturer's Perspective. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-9.	0.6	6
187	An evolutionary algorithmic approach to determine the Nash equilibrium in a duopoly with nonlinearities and constraints. <i>Expert Systems With Applications</i> , 2017, 74, 29-40.	4.4	6
188	Station Dispatching Problem for a Large Terminal: A Constraint Programming Approach. <i>Interfaces</i> , 2018, 48, 510-528.	1.6	6
189	Exploring the effect of dynamic seed activation in social networks. <i>International Journal of Information Management</i> , 2020, 51, 102039.	10.5	6
190	Emerging technologies-based and digital twin driven inclusive manufacturing system. <i>International Journal of Integrated Supply Management</i> , 2020, 13, 353.	0.2	6
191	Bilevel Programming for Manufacturers Operating in an Omnichannel Retailing Environment. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 3958-3975.	2.4	5
192	Hydraulic performance benchmarking for effective management of water distribution networks: An innovative composite index-based approach. <i>Journal of Environmental Management</i> , 2021, 299, 113603.	3.8	5
193	Low-Cost Adsorptive Removal Techniques for Pharmaceuticals and Personal Care Products. <i>Energy, Environment, and Sustainability</i> , 2020, , 397-421.	0.6	5
194	Exploring the key facets of leakage dynamics in water distribution networks: Experimental verification, hydraulic modeling, and sensitivity analysis. <i>Journal of Cleaner Production</i> , 2022, 362, 132236.	4.6	5
195	A CBFSFA approach to resolve the distributed manufacturing process planning problem in a supply chain environment. <i>International Journal of Production Research</i> , 2012, 50, 535-550.	4.9	4
196	Editorial note for the special issue on "Advanced metaheuristics for integrated supply chain management". <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 1079-1082.	4.4	4
197	Activity scheduling and resource allocation with uncertainties and learning in activities. <i>Industrial Management and Data Systems</i> , 2019, 119, 1289-1320.	2.2	4
198	A methodology for determining the optimal reverse flow capacities and the breakeven period for a multi products-component remanufacturing problem of an OEM. <i>Operations Management Research</i> , 2020, 13, 233-248.	5.0	4

#	ARTICLE	IF	CITATIONS
199	Solving a 3-dimensional vehicle routing problem with delivery options in city logistics using fast-neighborhood based crowding differential evolution algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 10389-10402.	3.3	4
200	Prioritising Tendering Activities for small to medium-sized enterprises (SMEs). , 2009, , .		3
201	An algorithm portfolio approach to reconfigurable set-up planning. <i>International Journal of Computer Integrated Manufacturing</i> , 2011, 24, 756-768.	2.9	3
202	Monitoring the performance of conveyor system using radio frequency identification in manufacturing environment: a recurrent neural network and genetic algorithm-based approach. <i>International Journal of Computer Integrated Manufacturing</i> , 2012, 25, 551-564.	2.9	3
203	A nested partitioning-based approach to integrate process planning and scheduling in flexible manufacturing environment. <i>International Journal of Computer Integrated Manufacturing</i> , 2014, , 1-15.	2.9	3
204	A Particle Swarm Optimization Approach for Route Planning with Cross-Docking. , 2015, , .		3
205	A Novel Hierarchical Template Matching Model for Cardiac Motion Estimation. <i>Scientific Reports</i> , 2018, 8, 4475.	1.6	3
206	Markov random field segmentation for industrial computed tomography with metal artefacts. <i>Journal of X-Ray Science and Technology</i> , 2018, 26, 573-591.	0.7	3
207	Hierarchical Template Matching for 3D Myocardial Tracking and Cardiac Strain Estimation. <i>Scientific Reports</i> , 2019, 9, 12450.	1.6	3
208	Interventions for delivering the triple-bottom-line. <i>Production Planning and Control</i> , 2019, 30, 347-352.	5.8	3
209	A circularity-based quality assessment tool to classify the core for recovery businesses. <i>International Journal of Production Research</i> , 2022, 60, 5835-5853.	4.9	3
210	Developing a model to optimise the cost of consolidated air freight considering the varying scenarios. <i>International Journal of Logistics Research and Applications</i> , 2023, 26, 1035-1059.	5.6	3
211	Modelling and simulation in health care systems. <i>International Journal of Systems Science: Operations and Logistics</i> , 2017, 4, 1-3.	2.0	2
212	A framework for understanding institutional factors affecting the success and failure of offshoring models in India. <i>International Journal of Production Research</i> , 2020, 58, 5911-5928.	4.9	2
213	IE Tools for Boosting Competitiveness in Iron and Steel Industry: A Review. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 1065-1076.	0.7	2
214	A bespoke PSS development roadmap for construction OEMs. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021, 46, 1.	0.8	2
215	Learning curve based integrated procurement and project scheduling of multiple sister ships project. <i>Computers and Industrial Engineering</i> , 2021, 162, 107691.	3.4	2
216	Recycler Selection Using Fuzzy AHP by Considering Sustainability. <i>Advanced Materials Research</i> , 0, 845, 574-578.	0.3	1

#	ARTICLE	IF	CITATIONS
217	Introduction: Sustainable shipping and transport logistics in developing economies. International Journal of Shipping and Transport Logistics, 2015, 7, 649.	0.2	1
218	Editorial note on the special issue of "Distributed Manufacturing to Enhance Productivity". International Journal of Production Research, 2016, 54, 6913-6916.	4.9	1
219	Vibration suppression of a tool in a lathe machine through contract-based design. International Journal of Advanced Manufacturing Technology, 2016, 86, 1763-1773.	1.5	1
220	Characterization, Modelling and Analysis of Light Reflectance During In-Process Surface Measurements Using White Light Based 3D Optical Gauge. , 2017, , .		1
221	Digitization of Real-Time Predictive Maintenance for High Speed Machine Equipment. IFIP Advances in Information and Communication Technology, 2021, , 132-140.	0.5	1
222	Assembly Design of Additive Manufacturing Products: A Computational Framework for Part Separation. Procedia CIRP, 2021, 96, 121-126.	1.0	1
223	Optimal Sensor Deployment to Diagnose Large-Scale Manufacturing Systems Using a Convergence-Trajectory Controlled Ant Colony System Algorithm. , 2021, , .		1
224	Resource Scalability in Networked Manufacturing System: Social Network Analysis Social network analysis Based Approach. , 2015, , 3439-3450.		1
225	Anticipating performance of work stations in MMPs at sensor breakdowns. , 2008, , .		0
226	Using a particle swarm optimization approach to examine a competitive production situation constrained by sustainable levels of pollution. , 2015, , .		0
227	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.	3.4	0
228	Smart Integration of Blockchain in Air Cargo Handling for Profit Maximization. IFIP Advances in Information and Communication Technology, 2021, , 107-114.	0.5	0
229	Identifying Myocardial Infarction Using Hierarchical Template Matching-Based Myocardial Strain: Algorithm Development and Usability Study. JMIR Medical Informatics, 2021, 9, e22164.	1.3	0
230	Energy Analysis of Wastewater Infrastructure. Energy, Environment, and Sustainability, 2021, , 209-229.	0.6	0
231	Liner Ship Freight Revenue and Fleet Deployment for Single Service. IFIP Advances in Information and Communication Technology, 2021, , 123-131.	0.5	0
232	Process Plan and Scheduling Integration for Networked Manufacturing Using Mobile-Agent Based Approach Mobile-agent. , 2015, , 3475-3485.		0
233	An Optimization Framework for Operational-Level Resource Composition in an Inclusive Manufacturing System. Journal of Computing and Information Science in Engineering, 2022, 22, .	1.7	0