Davide Castellano

List of Publications by Year
in descending order

37 papers	448 citations	759233 12 h-index	794594 19 g-index
37 all docs	37 docs citations	37 times ranked	356 citing authors

#	Article	IF	Citations
1	Harmony search algorithm for single-machine scheduling problem with planned maintenance. Computers and Industrial Engineering, 2014, 76, 333-346.	6.3	47
2	Distribution-free approach for stochastic Joint-Replenishment Problem with backorders-lost sales mixtures, and controllable major ordering cost and lead times. Computers and Operations Research, 2017, 79, 161-173.	4.0	32
3	Safety stock management in single vendorâ€“single buyer problem under VMI with consignment stock agreement. International Journal of Production Economics, 2014, 154, 16-31.	8.9	29
4	A novel operational approach to equipment maintenance: TPM and RCM jointly at work. Journal of Quality in Maintenance Engineering, 2019, 25, 612-634.	1.7	25
5	A continuous review, (Q, r) inventory model for a deteriorating item with random demand and positive lead time. Computers and Operations Research, 2019, 109, 102-121.	4.0	24
6	Overall material usage effectiveness (OME): a structured indicator to measure the effective material usage within manufacturing processes. Production Planning and Control, 2018, 29, 143-157.	8.8	20
7	Metaheuristics for the flow shop scheduling problem with maintenance activities integrated. Computers and Industrial Engineering, 2021, 151, 106989.	6.3	20
8	Energy Cost Deployment (ECD): A novel lean approach to tackling energy losses. Journal of Cleaner Production, 2020, 246, 119056.	9.3	17
9	Optimization of POLCA-controlled production systems with a simulation-driven genetic algorithm. International Journal of Advanced Manufacturing Technology, 2014, 70, 385-395.	3.0	16
10	A novel approach to safety stock management in a coordinated supply chain with controllable lead time using present value. Applied Stochastic Models in Business and Industry, 2016, 32, 99-112.	1.5	16
11	Joint-replenishment problem under stochastic demands with backorders-lost sales mixtures, controllable lead times, and investment to reduce the major ordering cost. Journal of the Operational Research Society, 2016, 67, 1108-1120.	3.4	16
12	The effect of GHG emissions on production, inventory replenishment and routing decisions in a single vendor-multiple buyers supply chain. International Journal of Production Economics, 2019, 218, 30-42.	8.9	16
13	An extension of the stochastic Joint-Replenishment Problem under the class of cyclic policies. Operations Research Letters, 2016, 44, 278-284.	0.7	15
14	An integer linear programming approach to maintenance strategies selection. International Journal of Quality and Reliability Management, 2013, 30, 991-1016.	2.0	12
15	A NOVEL GAME THEORY BASED EXIT SELECTION MODEL IN EMERGENCY CONDITIONS. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350018.	1.4	12
16	Approximated closed-form minimum-cost solution to the (r,Âq) policy with complete backordering and further developments. Applied Mathematical Modelling, 2016, 40, 8406-8423.	4.2	12
17	Batching decisions in multi-item production systems with learning effect. Computers and Industrial Engineering, 2019, 131, 578-591.	6.3	12
18	Controlling lead times and minor ordering costs in the joint replenishment problem with stochastic demands under the class of cyclic policies. International Transactions in Operational Research, 2021, 28, 376-400.	2.7	12

#	Article	IF	Citations
19	A note concerning physical space occupation costs in vendor managed inventory with consignment agreement models. International Journal of Logistics Systems and Management, 2014, 19, 151.	0.2	11
20	A periodic review policy with quality improvement, setup cost reduction, backorder price discount, and controllable lead time. Production and Manufacturing Research, 2017, 5, 328-350.	1.5	11
21	A periodic review policy for a coordinated single vendor-multiple buyers supply chain with controllable lead time and distribution-free approach. 4or, 2021, 19, 347-388.	1.6	10
22	Diffusion Theory Applied to Tool-Life Stochastic Modeling Under a Progressive Wear Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	9
23	Stochastic Reorder Point-Lot Size (r,Q) Inventory Model under Maximum Entropy Principle. Entropy, 2016, 18, 16.	2.2	9
24	Revised overall labour effectiveness. International Journal of Productivity and Performance Management, 2021, 70, 1317-1335.	3.7	8
25	A study on the importance of selection rules within unbalanced MTO POLCA-controlled production systems. International Journal of Industrial and Systems Engineering, 2015, 20, 457.	0.2	5
26	Justâ€inâ€time parts feeding policies for paced assembly lines: possible solutions for highly constrained layouts. International Transactions in Operational Research, 2016, 23, 691-724.	2.7	5
27	Stochastic modeling of a single-vendor single-buyer supply chain with (s, S)-inventory policy. IFAC-PapersOnLine, 2018, 51, 974-979.	0.9	5
28	A visual planning solution to streamline the processes of hybrid cross-dockings. Production Planning and Control, 2019, 30, 33-47.	8.8	4
29	Computer-aided activity planning (CAAP) in large-scale projects with an application in the yachting industry. Computers in Industry, 2014, 65, 733-745.	9.9	3
30	Efficient near-optimal procedures for some inventory models with backorders-lost sales mixture and controllable lead time, under continuous or periodic review. International Journal of Mathematics in Operational Research, 2018, 13, 141.	0.2	3
31	A note on â€œA multiple-vendor single-buyer integrated inventory model with a variable number of vendorsâ€• Computers and Industrial Engineering, 2014, 74, 84-87.	6.3	2
32	Improving Tool-Life Stochastic Control Through a Tool-Life Model Based on Diffusion Theory. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	2
33	Approximated closed-form minimum-cost solutions to the (S − 1, S) policy with complete backordering. International Journal of Mathematics in Operational Research, 2016, 8, 1.	0.2	2
34	Optimising replenishment policy in an integrated supply chain with controllable lead time and backorders-lost sales mixture. International Journal of Logistics Systems and Management, 2018, 29, 476.	0.2	2
35	The average-cost formulation of lot sizing models and inventory carrying charges: a technical note. Operations Management Research, 2021, 14, 194.	8.5	2
36	Stochastic theory of tool life - theoretical developments on the injury theory. International Journal of Mathematical Modelling and Numerical Optimisation, 2014, 5, 265.	0.2	1

#	Article	IF	Citations
37	Dataset of metaheuristics for the flow shop scheduling problem with maintenance activities integrated. Data in Brief, 2021, 36, 106985.	1.0	1