Abdelghani Bekrar

List of Publications by Year
in descending order

36 papers	**1,113** citations	516215 **16** h-index	433756 **31** g-index
36 all docs	**36** docs citations	**36** times ranked	**1097** citing authors

#	Article	IF	Citations
1	An effective and distributed particle swarm optimization algorithm for flexible job-shop scheduling problem. Journal of Intelligent Manufacturing, 2018, 29, 603-615.	4.4	265
2	Whale optimization algorithm based optimal reactive power dispatch: A case study of the Algerian power system. Electric Power Systems Research, 2018, 163, 696-705.	2.1	165
3	Two stage particle swarm optimization to solve the flexible job shop predictive scheduling problem considering possible machine breakdowns. Computers and Industrial Engineering, 2017, 112, 595-606.	3.4	96
4	Benchmarking flexible job-shop scheduling and control systems. Control Engineering Practice, 2013, 21, 1204-1225.	3.2	87
5	Pollux: a dynamic hybrid control architecture for flexible job shop systems. International Journal of Production Research, 2017, 55, 4229-4247.	4.9	45
6	Reactive Power Dispatch Optimization with Voltage Profile Improvement Using an Efficient Hybrid Algorithm. Energies, 2018, 11, 2134.	1.6	45
7	Efficient hybrid optimization approach for emission constrained economic dispatch with nonsmooth cost curves. International Journal of Electrical Power and Energy Systems, 2014, 56, 127-139.	3.3	43
8	Machine learning for demand forecasting in the physical internet: a case study of agricultural products in Thailand. International Journal of Production Research, 2021, 59, 7491-7515.	4.9	38
9	A rail-road PI-hub allocation problem: Active and reactive approaches. Computers in Industry, 2016, 81, 138-151.	5.7	36
10	Manufacturing 4.0 Operations Scheduling with AGV Battery Management Constraints. Energies, 2020, 13, 4948.	1.6	34
11	Multi-Objective Sustainable Truck Scheduling in a Railâ€"Road Physical Internet Cross-Docking Hub Considering Energy Consumption. Sustainability, 2019, 11, 3127.	1.6	30
12	An energy-efficient scheduling and rescheduling method for production and logistics systems^{â€}. International Journal of Production Research, 2020, 58, 3263-3283.	4.9	30
13	Proposal of a multi-agent model for the sustainable truck scheduling and containers grouping problem in a Road-Rail physical internet hub. International Journal of Production Research, 2020, 58, 5477-5501.	4.9	26
14	Coupling a genetic algorithm with the distributed arrival-time control for the JIT dynamic scheduling of flexible job-shops. International Journal of Production Research, 2014, 52, 3688-3709.	4.9	25
15	Towards Energy Efficient Scheduling of Manufacturing Systems through Collaboration between Cyber Physical Production and Energy Systems. Energies, 2019, 12, 4448.	1.6	22
16	Navigation Scheme with Priority-Based Scheduling of Mobile Agents: Application to AGV-Based Flexible Manufacturing System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 495-512.	2.0	19
17	Fixed-Time Fractional-Order Global Sliding Mode Control for Nonholonomic Mobile Robot Systems under External Disturbances. Fractal and Fractional, 2022, 6, 177.	1.6	13
18	A switching mechanism framework for optimal coupling of predictive scheduling and reactive control in manufacturing hybrid control architectures. International Journal of Production Research, 2016, 54, 7027-7042.	4.9	12

#	Article	IF	Citations
19	An improved heuristic and an exact algorithm for the 2D strip and bin packing problem. International Journal of Product Development, 2010, 10, 217.	0.2	10
20	Artificial intelligence for forecasting in supply chain management: a case study of White Sugar consumption rate in Thailand. IFAC-PapersOnLine, 2019, 52, 725-730.	0.5	10
21	Solving the flexible job-shop just-in-time scheduling problem with quadratic earliness and tardiness costs. International Journal of Advanced Manufacturing Technology, 2015, 81, 1871-1891.	1.5	9
22	Governance mechanism in control architectures for flexible manufacturing systems. IFAC-PapersOnLine, 2015, 48, 1093-1098.	0.5	9
23	Scheduling trucks and storage operations in a multiple-door cross-docking terminal considering multiple storage zones. International Journal of Production Research, 2022, 60, 1153-1177.	4.9	8
24	The cross docking under uncertainty: State of the art. , 2014, , .		7
25	Towards designing and operating physical internet cross-docks: Problem specifications and research perspectives. Omega, 2022, 111, 102641.	3.6	7
26	An Iterative Greedy Insertion Technique for Flexible Job Shop Scheduling Problem. IFAC-PapersOnLine, 2016, 49, 1956-1961.	0.5	5
27	A Simulation-Optimization Approach for Two-Way Scheduling/Grouping in a Road-Rail Physical Internet Hub. IFAC-PapersOnLine, 2019, 52, 1644-1649.	0.5	5
28	A New Rescheduling Heuristic for Flexible Job Shop Problem with Machine Disruption. Studies in Computational Intelligence, 2018, , 461-476.	0.7	5
29	Approximate optimal method for cyclic solutions in multi-robotic cell with processing time window. Robotics and Autonomous Systems, 2017, 98, 307-316.	3.0	2
30	Multi-objective Truck Scheduling in a Physical Internet Road-Road Cross-docking Hub. IFAC-PapersOnLine, 2021, 54, 647-652.	0.5	2
31	Dynamic Multiple Depots Vehicle Routing in the Physical Internet context. IFAC-PapersOnLine, 2021, 54, 92-97.	0.5	2
32	A Multi-agent Model for the Multi-plant Multi-product Physical Internet Supply Chain Network. Studies in Computational Intelligence, 2021, , 435-448.	0.7	1
33	An MIP approach to optimize the fundamental period of multi-cluster tools system with residency constraints. IFAC-PapersOnLine, 2015, 48, 1732-1737.	0.5	0
34	Multi-objective Cross-Docking inÂPhysical Internet Hubs Under Arrival Time Uncertainty. Studies in Computational Intelligence, 2021, , 460-472.	0.7	0
35	An equivalent conversion method for dual-armed multi-cluster tool scheduling problems with multi-wafer types. International Journal of Manufacturing Technology and Management, 2019, 33, 14.	0.1	0
36	The Effect of Machine Learning Demand Forecasting on Supply Chain Performance - The Case Study of Coffee in Vietnam. Lecture Notes in Networks and Systems, 2022, , 247-258.	0.5	0