

Ali Gharbi

List of Publications by Year in descending order

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118
papers

3,034
citations

126708

33
h-index

223531

46
g-index

118
all docs

118
docs citations

118
times ranked

1377
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated production-delivery control policy for an unreliable manufacturing system and multiple retailers. <i>International Journal of Production Economics</i> , 2022, 245, 108383.	5.1	6
2	Integrated production and maintenance control policies for failure-prone manufacturing systems producing perishable products. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 4635-4657.	1.5	4
3	Dynamic optimal control and simulation for unreliable manufacturing systems under perishable product and shelf life variability. <i>International Journal of Production Economics</i> , 2022, 247, 108417.	5.1	9
4	Integrated production-transshipment control policy for a two-location unreliable manufacturing system. <i>International Journal of Production Economics</i> , 2022, 247, 108440.	5.1	6
5	Production control in manufacturing systems with perishable products under periodic demand. <i>Journal of Manufacturing Systems</i> , 2022, 63, 288-303.	7.6	4
6	Transport carriers' cooperation on the last-mile delivery in urban areas. <i>Transportation</i> , 2021, 48, 2401-2431.	2.1	9
7	Joint production preventive maintenance and dynamic inspection for a degrading manufacturing system. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 221-239.	1.5	17
8	Joint production and preventive maintenance controls for unreliable and imperfect manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2021, 58, 263-279.	7.6	26
9	A joint production and carbon trading policy for unreliable manufacturing systems under cap-and-trade regulation. <i>Journal of Cleaner Production</i> , 2021, 293, 125973.	4.6	37
10	Integrated production, maintenance and quality control policy for unreliable manufacturing systems under dynamic inspection. <i>International Journal of Production Economics</i> , 2021, 236, 108140.	5.1	29
11	Joint production, inspection and maintenance control policies for deteriorating system under quality constraint. <i>Journal of Manufacturing Systems</i> , 2021, 60, 585-607.	7.6	18
12	Production control of unreliable manufacturing systems with perishable inventory. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 2473-2496.	1.5	11
13	Production planning and control of unreliable hybrid manufacturing-remanufacturing systems with quality-based categorization of returns. <i>Journal of Cleaner Production</i> , 2021, 312, 127800.	4.6	18
14	Production and quality control of Hybrid Manufacturing Remanufacturing System with stochastic return. , 2021, , .		1
15	Production and subcontracting control for an unreliable manufacturing system with setups. <i>International Journal of Production Research</i> , 2020, 58, 3570-3588.	4.9	3
16	Maintenance on leasing sales strategies for manufacturing/remanufacturing system with increasing failure rate and carbon emission. <i>International Journal of Production Research</i> , 2020, 58, 6616-6637.	4.9	14
17	Production control of failure-prone manufacturing-remanufacturing systems using mixed dedicated and shared facilities. <i>International Journal of Production Economics</i> , 2020, 224, 107549.	5.1	19
18	Environmental hedging point policies for collaborative unreliable manufacturing systems with variant emitting level technologies. <i>Journal of Cleaner Production</i> , 2020, 250, 119539.	4.6	13

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19	Kalman filter based production control of a failure-prone single-machine single-product manufacturing system with imprecise demand and inventory information. <i>Journal of Manufacturing Systems</i> , 2020, 56, 558-572.	7.6	14
20	Joint optimization of production and maintenance strategies considering a dynamic sampling strategy for a deteriorating system. <i>Computers and Industrial Engineering</i> , 2020, 140, 106273.	3.4	47
21	Production planning of an unreliable hybrid manufacturing“remanufacturing system under uncertainties and supply constraints. <i>Computers and Industrial Engineering</i> , 2019, 136, 31-45.	3.4	20
22	Production and replacement planning of a deteriorating remanufacturing system in a closed-loop configuration. <i>Journal of Manufacturing Systems</i> , 2019, 53, 234-248.	7.6	17
23	Joint production and maintenance optimization in flexible hybrid Manufacturing“Remanufacturing systems under age-dependent deterioration. <i>International Journal of Production Economics</i> , 2019, 216, 239-254.	5.1	45
24	Optimal production and corrective maintenance in a failure-prone manufacturing system under variable demand. <i>Flexible Services and Manufacturing Journal</i> , 2019, 31, 894-925.	1.9	10
25	Production and setup control policy for unreliable hybrid manufacturing-remanufacturing systems. <i>Journal of Manufacturing Systems</i> , 2019, 50, 103-118.	7.6	28
26	Production control of hybrid manufacturing“remanufacturing systems under demand and return variations. <i>International Journal of Production Research</i> , 2019, 57, 100-123.	4.9	29
27	Subcontracting strategies with production and maintenance policies for a manufacturing system subject to progressive deterioration. <i>International Journal of Production Economics</i> , 2018, 200, 103-118.	5.1	32
28	Production and replacement policies for a deteriorating manufacturing system under random demand and quality. <i>European Journal of Operational Research</i> , 2018, 264, 623-636.	3.5	39
29	Joint production, quality and maintenance control of a two-machine line subject to operation-dependent and quality-dependent failures. <i>International Journal of Production Economics</i> , 2018, 195, 210-226.	5.1	76
30	Joint Production and Replacement Planning for an Unreliable Manufacturing System Subject to Random Demand and Quality. <i>IFAC-PapersOnLine</i> , 2018, 51, 951-956.	0.5	3
31	Stochastic optimal control of random quality deteriorating hybrid manufacturing/remanufacturing systems. <i>Journal of Manufacturing Systems</i> , 2018, 49, 172-185.	7.6	26
32	Quality issue in forecasting problem of production and maintenance policy for production unit. <i>International Journal of Production Research</i> , 2018, 56, 6147-6163.	4.9	19
33	Age-dependent production and replacement strategies in failure-prone manufacturing systems. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017, 231, 540-554.	1.5	9
34	Production and setup policy optimization for hybrid manufacturing“remanufacturing systems. <i>International Journal of Production Economics</i> , 2017, 183, 322-333.	5.1	35
35	Ecological optimization for forecasting production and maintenance problem based on carbon tax. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 1595-1606.	1.5	16
36	Joint supplier selection, production and replenishment of an unreliable manufacturing-oriented supply chain. <i>International Journal of Production Economics</i> , 2017, 187, 53-67.	5.1	44

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37	Set-up and production planning in hybrid manufacturingâ€“remanufacturing systems with large returns. International Journal of Production Research, 2017, 55, 3766-3787.	4.9	16
38	Improved preventive maintenance in the framework of forecasting problem under subcontractor constraint. International Journal of Production Research, 2017, 55, 4557-4600.	4.9	7
39	Joint optimization of production and maintenance planning with an environmental impact study. International Journal of Advanced Manufacturing Technology, 2017, 93, 1269-1282.	1.5	7
40	Production Policy Optimization in Flexible Manufacturing-Remanufacturing Systems. IFAC-PapersOnLine, 2016, 49, 295-300.	0.5	2
41	Joint economic design of production, continuous sampling inspection and preventive maintenance of a deteriorating production system. International Journal of Production Economics, 2016, 173, 184-198.	5.1	44
42	Production control problem integrating overhaul and subcontracting strategies for a quality deteriorating manufacturing system. International Journal of Production Economics, 2016, 171, 134-150.	5.1	39
43	Production and uncertain green subcontracting control for an unreliable manufacturing system facing emissions. International Journal of Advanced Manufacturing Technology, 2016, 83, 1787-1799.	1.5	11
44	Integrated production, sampling quality control and maintenance of deteriorating production systems with AOQL constraint. Omega, 2016, 61, 110-126.	3.6	84
45	Joint Production and Replacement Strategy for a Quality Deteriorating Failure-Prone Manufacturing System. IFAC-PapersOnLine, 2015, 48, 1198-1203.	0.5	2
46	Failure-prone manufacturing systems with setups: feasibility and optimality under various hypotheses about perturbations and setup interplay. International Journal of Mathematics in Operational Research, 2015, 7, 681.	0.1	6
47	Production and setup policy optimization for hybrid manufacturing-remanufacturing systems. IFAC-PapersOnLine, 2015, 48, 2021-2026.	0.5	3
48	Integrated quality strategy in production and raw material replenishment in a manufacturing-oriented supply chain. International Journal of Advanced Manufacturing Technology, 2015, 81, 335-348.	1.5	11
49	Environmental issue in an alternative productionâ€“maintenance control for unreliable manufacturing system subject to degradation. International Journal of Advanced Manufacturing Technology, 2015, 77, 383-398.	1.5	26
50	Joint production, setup and preventive maintenance policies of unreliable two-product manufacturing systems. International Journal of Production Research, 2015, 53, 4668-4683.	4.9	39
51	Optimal production scheduling for hybrid manufacturingâ€“remanufacturing systems with setups. Journal of Manufacturing Systems, 2015, 37, 703-714.	7.6	29
52	Replenishment, production and quality control strategies in three-stage supply chain. International Journal of Production Economics, 2015, 166, 90-102.	5.1	20
53	An Environmental Hedging Point Policy to control production rate and emissions in unreliable manufacturing systems. International Journal of Production Research, 2015, 53, 435-450.	4.9	20
54	Production Planning and Opportunistic Preventive Maintenance for Unreliable One-Machine Two-Products Manufacturing Systems. IFAC-PapersOnLine, 2015, 48, 478-483.	0.5	17

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55	Joint production and subcontracting planning of unreliable multi-facility multi-product production systems. <i>Omega</i> , 2015, 50, 54-69.	3.6	26
56	Forecasting and maintenance problem under subcontracting constraint with transportation delay. <i>International Journal of Production Research</i> , 2014, 52, 6695-6716.	4.9	26
57	Joint production and quality control of unreliable batch manufacturing systems with rectifying inspection. <i>International Journal of Production Research</i> , 2014, 52, 4103-4117.	4.9	22
58	Joint production and setup control policies: an extensive study addressing implementation issues via quantitative and qualitative criteria. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 809-826.	1.5	24
59	Joint control of production, overhaul, and preventive maintenance for a production system subject to quality and reliability deteriorations. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2111-2130.	1.5	45
60	Joint production and major maintenance planning policy of a manufacturing system with deteriorating quality. <i>International Journal of Production Economics</i> , 2013, 146, 575-587.	5.1	33
61	Optimal production control policy in unreliable batch processing manufacturing systems with transportation delay. <i>International Journal of Production Research</i> , 2013, 51, 264-280.	4.9	19
62	Joint optimal lot sizing and production control policy in an unreliable and imperfect manufacturing system. <i>International Journal of Production Economics</i> , 2013, 144, 143-156.	5.1	58
63	Production and quality control policies for deteriorating manufacturing system. <i>International Journal of Production Research</i> , 2013, 51, 3443-3462.	4.9	26
64	Optimal Production Control of Hybrid Manufacturing/Remanufacturing Failure-Prone Systems under Diffusion-Type Demand. <i>Applied Mathematics</i> , 2013, 04, 550-559.	0.1	15
65	Quality and production control in multiple-product unreliable manufacturing system. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 981-986.	0.4	1
66	Joint production control and product quality decision making in a failure prone multiple-product manufacturing system. <i>International Journal of Production Research</i> , 2012, 50, 3661-3672.	4.9	11
67	Production planning of a hybrid manufacturingâledquo;remanufacturing system under uncertainty within a closed-loop supply chain. <i>International Journal of Production Economics</i> , 2012, 135, 81-93.	5.1	235
68	Dynamic pricing models for ERP systems under network externality. <i>International Journal of Production Economics</i> , 2012, 135, 708-715.	5.1	17
69	Joint optimal production control/preventive maintenance policy for imperfect process manufacturing cell. <i>International Journal of Production Economics</i> , 2012, 137, 126-136.	5.1	58
70	Production control of unreliable manufacturing systems producing defective items. <i>Journal of Quality in Maintenance Engineering</i> , 2011, 17, 238-253.	1.0	23
71	Production rate control of an unreliable manufacturing cell with adjustable capacity. <i>International Journal of Production Research</i> , 2011, 49, 6539-6557.	4.9	30
72	Preventive maintenance and replacement policies for deteriorating production systems subject to imperfect repairs. <i>International Journal of Production Research</i> , 2011, 49, 3543-3563.	4.9	20

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73	Joint modified block replacement and production/inventory control policy for a failure-prone manufacturing cell. <i>Omega</i> , 2011, 39, 642-654.	3.6	45
74	Simultaneous control of production, repair/replacement and preventive maintenance of deteriorating manufacturing systems. <i>International Journal of Production Economics</i> , 2011, 134, 271-282.	5.1	66
75	Production planning and repair/replacement switching policy for deteriorating manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 57, 827-840.	1.5	22
76	Production control and replenishment strategy with multiple suppliers. <i>European Journal of Operational Research</i> , 2011, 208, 67-74.	3.5	37
77	Integrated product specifications and productivity decision making in unreliable manufacturing systems. <i>International Journal of Production Economics</i> , 2011, 129, 32-42.	5.1	23
78	Impact of random delay on Replenishment and production control strategies. , 2011, , .		3
79	Availability modelling and analysis of multi-product flexible transfer lines subject to random failures. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 50, 329-341.	1.5	2
80	Joint production and supply control in three levels flexible manufacturing systems. <i>Journal of Intelligent Manufacturing</i> , 2010, 21, 195-204.	4.4	1
81	A comparative study of pull control mechanisms for unreliable homogenous transfer lines. <i>International Journal of Production Economics</i> , 2010, 124, 241-251.	5.1	38
82	Improved joint preventive maintenance and hedging point policy. <i>International Journal of Production Economics</i> , 2010, 127, 60-72.	5.1	39
83	Optimal maintenance/production policy for a manufacturing system subjected to random failure and calling upon several subcontractors. <i>International Journal of Management Science and Engineering Management</i> , 2010, 5, 261-267.	2.6	10
84	Joint hybrid repair and remanufacturing systems and supply control. <i>International Journal of Production Research</i> , 2010, 48, 4101-4121.	4.9	13
85	Control of a repair and overhaul system with probabilistic parts availability. <i>Production Planning and Control</i> , 2009, 20, 57-67.	5.8	4
86	Production control of hybrid repair and remanufacturing systems under general conditions. <i>Journal of Quality in Maintenance Engineering</i> , 2009, 15, 383-396.	1.0	4
87	Hierarchical decision making in production and repair/replacement planning with imperfect repairs under uncertainties. <i>European Journal of Operational Research</i> , 2009, 198, 173-189.	3.5	40
88	A production rate control policy for stochastic repair and remanufacturing systems. <i>International Journal of Production Economics</i> , 2009, 121, 39-48.	5.1	23
89	Throughput assessment of mixed-model flexible transfer lines with unreliable machines. <i>International Journal of Production Economics</i> , 2009, 122, 619-627.	5.1	9
90	Joint replenishment and manufacturing activities control in a two stage unreliable supply chain. <i>International Journal of Production Research</i> , 2009, 47, 3231-3251.	4.9	34

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91	Production and changeover control policies of a class of failure prone buffered flow-shops. <i>Production Planning and Control</i> , 2009, 20, 785-800.	5.8	10
92	Optimization of production control policies in failure-prone homogenous transfer lines. <i>IIE Transactions</i> , 2009, 41, 209-222.	2.1	13
93	Multiobjective optimization in an unreliable failure-prone manufacturing system. <i>Journal of Quality in Maintenance Engineering</i> , 2009, 15, 397-411.	1.0	18
94	Optimisation of the control policy for a stochastic remanufacturing system with an unreliable replacement parts supply. <i>International Journal of Simulation and Process Modelling</i> , 2009, 5, 205.	0.1	3
95	Production and changeover control policies of failure prone buffered flow-shops. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 1108-1113.	0.4	1
96	Production rate control for stochastic remanufacturing systems. <i>International Journal of Production Economics</i> , 2008, 112, 37-47.	5.1	24
97	Availability and throughput of unreliable, unbuffered production lines with non-homogeneous deterministic processing times. <i>International Journal of Production Research</i> , 2008, 46, 5651-5677.	4.9	11
98	Production control and combined discrete/continuous simulation modeling in failure-prone transfer lines. <i>International Journal of Production Research</i> , 2007, 45, 5667-5685.	4.9	17
99	Développement d'une politique intégrée de contrôle des taux de production et de maintenance corrective avec diagnostic. <i>Infor</i> , 2007, 45, 197-207.	0.5	3
100	Age-dependent production planning and maintenance strategies in unreliable manufacturing systems with lost sale. <i>European Journal of Operational Research</i> , 2007, 178, 408-420.	3.5	66
101	Optimal safety stocks and preventive maintenance periods in unreliable manufacturing systems. <i>International Journal of Production Economics</i> , 2007, 107, 422-434.	5.1	56
102	JOINT PRODUCTION AND SUPPLY CONTROL IN THREE LEVELS FLEXIBLE MANUFACTURING SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 149-154.	0.4	0
103	Operational level-based policies in production rate control of unreliable manufacturing systems with set-ups. <i>International Journal of Production Research</i> , 2006, 44, 545-567.	4.9	37
104	Maintenance scheduling and production control of multiple-machine manufacturing systems. <i>Computers and Industrial Engineering</i> , 2005, 48, 693-707.	3.4	71
105	Production and set-up control of a failure-prone manufacturing system. <i>International Journal of Production Research</i> , 2004, 42, 1107-1130.	4.9	23
106	Stochastic optimal production control problem with corrective maintenance. <i>Computers and Industrial Engineering</i> , 2004, 46, 865-875.	3.4	41
107	A simulation optimization based control policy for failure prone one-machine, two-product manufacturing systems. <i>Computers and Industrial Engineering</i> , 2004, 46, 285-292.	3.4	17
108	Planning tools for managing the supply chain. <i>Computers and Industrial Engineering</i> , 2004, 46, 763-779.	3.4	11

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109	Control of production and corrective maintenance rates in a multiple-machine, multiple-product manufacturing system. <i>Mathematical and Computer Modelling</i> , 2003, 38, 351-365.	2.0	61
110	Optimal production control problem in stochastic multiple-product multiple-machine manufacturing systems. <i>IIE Transactions</i> , 2003, 35, 941-952.	2.1	52
111	Capacity estimation of a multi-product unreliable production line. <i>International Journal of Production Research</i> , 2002, 40, 4815-4834.	4.9	23
112	A simulation optimization approach in production planning of failure prone manufacturing systems. <i>Journal of Intelligent Manufacturing</i> , 2001, 12, 421-431.	4.4	38
113	Production and preventive maintenance rates control for a manufacturing system: An experimental design approach. <i>International Journal of Production Economics</i> , 2000, 65, 275-287.	5.1	85
114	Production planning problem in manufacturing systems with general failure and repair time distributions. <i>Production Planning and Control</i> , 2000, 11, 581-588.	5.8	35
115	Bombardier Turned to Simulation to Validate the CF-18 Maintenance Program. <i>Interfaces</i> , 1997, 27, 22-34.	1.6	4
116	Control policy simulation based on machine age in a failure prone one-machine, one-product manufacturing system. <i>International Journal of Production Research</i> , 1997, 35, 1431-1445.	4.9	18
117	An algorithm for the cell formation and the machine selection problems in the design of a cellular manufacturing system. <i>International Journal of Production Research</i> , 1997, 35, 1857-1874.	4.9	20
118	Integrated embedding optimization applied to Salt Lake valley aquifers. <i>Water Resources Research</i> , 1994, 30, 817-832.	1.7	38