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List of Publications by Year
in descending order

53 papers	1,889 citations	430874 18 h-index	265206 42 g-index
54 all docs	54 docs citations	54 times ranked	1361 citing authors

#	Article	IF	Citations
1	Application of planning models in the agri-food supply chain: A review. European Journal of Operational Research, 2009, 196, 1-20.	5.7	674
2	Operational model for planning the harvest and distribution of perishable agricultural products. International Journal of Production Economics, 2011, 133, 677-687.	8.9	169
3	A tactical model for planning the production andÂdistribution of fresh produce. Annals of Operations Research, 2011, 190, 339-358.	4.1	141
4	Tactical planning of the production and distribution of fresh agricultural products under uncertainty. Agricultural Systems, 2012, 112, 17-26.	6.1	115
5	America West Airlines Develops Efficient Boarding Strategies. Interfaces, 2005, 35, 191-201.	1.5	101
6	Integrated decision-support system for diagnosis, maintenance planning, and scheduling of manufacturing systems. International Journal of Production Research, 2007, 45, 267-285.	7.5	41
7	Use of supply chain planning tools for efficiently placing small farmers into high-value, vegetable markets. Computers and Electronics in Agriculture, 2019, 157, 205-217.	7.7	38
8	An Automated Feature Selection Method for Visual Inspection Systems. IEEE Transactions on Automation Science and Engineering, 2006, 3, 394-406.	5.2	37
9	A three-dimensional automated visual inspection system for SMT assembly. Computers and Industrial Engineering, 2001, 40, 175-190.	6.3	35
10	Energy and exergy utilizations of the U.S. manufacturing sector. Energy, 2010, 35, 3048-3065.	8.8	35
11	Research directions in technology development to support real-time decisions of fresh produce logistics: A review and research agenda. Computers and Electronics in Agriculture, 2019, 167, 105092.	7.7	35
12	A modeling framework for the strategic design of local fresh-food systems. Agricultural Systems, 2018, 161, 1-15.	6.1	33
13	Effects of high labour turnover in a serial assembly environment. International Journal of Production Research, 1997, 35, 3201-3224.	7.5	32
14	Work allocation strategies for serial assembly lines under high labour turnover. International Journal of Production Research, 2002, 40, 1835-1852.	7.5	24
15	Performance of serial assembly line designs under unequal operator speeds and learning. International Journal of Production Research, 2007, 45, 5355-5381.	7.5	24
16	Coordination of perishable crop production using auction mechanisms. Agricultural Systems, 2015, 138, 18-30.	6.1	24
17	FLEXIBLE INSPECTION SYSTEMS FOR SERIAL MULTI-STAGE PRODUCTION SYSTEMS. IIE Transactions, 1993, 25, 16-26.	2.1	23
18	A stochastic planning framework for the discovery of complementary, agricultural systems. European Journal of Operational Research, 2020, 280, 707-729.	5.7	23

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19	Process capability of automated visual inspection systems. IEEE Transactions on Systems, Man, and Cybernetics, 1992, 22, 441-448.	0.9	20
20	U.S. manufacturing aggregate energy intensity decomposition: The application of multivariate regression analysis. International Journal of Energy Research, 2008, 32, 91-106.	4.5	20
21	Information-based inspection allocation for real-time inspection systems. Journal of Manufacturing Systems, 2001, 20, 13-22.	13.9	18
22	Automated visual inspection of bare printed circuit boards. Computers and Industrial Engineering, 1990, 18, 505-509.	6.3	16
23	Using fixed and adaptive multivariate SPC charts for online SMD assembly monitoring. International Journal of Production Economics, 2005, 95, 109-121.	8.9	16
24	Use of MIP for planning temporary immigrant farm labor force. International Journal of Production Economics, 2015, 170, 25-33.	8.9	15
25	Energy and Exergy Analyses of Different Aluminum Reduction Technologies. Sustainability, 2018, 10, 1216.	3.2	14
26	Automated Refinement of Automated Visual Inspection Algorithms. IEEE Transactions on Automation Science and Engineering, 2009, 6, 514-524.	5.2	13
27	Modeling and forecasting the U.S. manufacturing aggregate energy intensity. International Journal of Energy Research, 2008, 32, 501-513.	4.5	11
28	Corrective maintenance through dynamic work allocation and pre-emption: case study and application. International Journal of Production Research, 2009, 47, 3539-3557.	7.5	11
29	A Novel Feature Selection Methodology for Automated Inspection Systems. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1338-1344.	13.9	11
30	Assessing the relative efficiency of energy use among similar manufacturing industries. International Journal of Energy Research, 2011, 35, 477-488.	4.5	11
31	Alleviating food disparities with mobile retailers: Dissecting the problem from an OR perspective. Computers and Industrial Engineering, 2016, 91, 154-164.	6.3	10
32	Flexible Inspection within an Aggregated Information Environment. Computers and Industrial Engineering, 1990, 19, 224-228.	6.3	9
33	Evaluation of Just-In-Time alternatives in the electric wire-harness industry. International Journal of Production Research, 1997, 35, 1993-2008.	7.5	9
34	Robust efficiency measures for linear knapsack problem variants. European Journal of Operational Research, 2016, 254, 398-409.	5.7	9
35	Automated visual inspection: A tutorial. Computers and Industrial Engineering, 1990, 18, 493-504.	6.3	8
36	Vector classification of SMD images. Journal of Manufacturing Systems, 2003, 22, 265-282.	13.9	8

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37	The use of dynamic work sharing production methods to reduce the impact of labour turnover in serial assembly lines. International Journal of Manufacturing Technology and Management, 2011, 23, 34.	0.1	8
38	Three dimensional automated visual inspection of surface mounted devices. Computers and Industrial Engineering, 1997, 33, 365-368.	6.3	7
39	A multi-objective optimization primary planning model for a POE (Port-of-Entry) inspection. Journal of Transportation Security, 2012, 5, 217-237.	1.4	7
40	Using market intelligence for the opportunistic shipping of fresh produce. International Journal of Production Economics, 2013, 142, 89-97.	8.9	6
41	Development of a Methodological Framework for the Self Reconfiguration of Automated Visual Inspection Systems. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	5
42	Some results from a model of dynamic inspection allocation. Computers and Industrial Engineering, 1991, 21, 355-358.	6.3	4
43	Automated Feature Selection Methodology for Reconfigurable Automated Visual Inspection Systems. , 2007, , .		3
44	Planning the Planting, Harvest, and Distribution of Fresh Horticultural Products. Profiles in Operations Research, 2015, , 19-54.	0.4	3
45	Decision support models for fresh fruits and vegetables supply chain management. , 2019, , 317-337.		3
46	Planning models for floriculture operations. International Journal of Applied Management Science, 2012, 4, 148.	0.2	2
47	Improvement of feedlot operations through statistical learning and business analytics tools. Computers and Electronics in Agriculture, 2017, 143, 273-285.	7.7	2
48	An Operational Planning Model to Support First Mile Logistics for Small Fresh-Produce Growers. Communications in Computer and Information Science, 2021, , 205-219.	0.5	2
49	A feature selection method for Automated Visual Inspection systems. , 2008, , .		1
50	Forecasting and Capacity Planning for Nogales Port of Entry. Transportation Journal, 2013, 52, 417-440.	0.7	1
51	The strategic design of port services based on a total landed cost approach. International Journal of Logistics Management, 2021, 32, 96-120.	6.6	1
52	A Decision Support System for Planning New Products Introductions in Fresh Produce Supply Chains. Cuadernos De Administracion, 2020, 33, .	0.4	1
53	A simple statistic for the detection of missing components on PCBs. Computers and Industrial Engineering, 1991, 21, 339-342.	6.3	0