

The measurement of flexibility in manufacturing system

Flexible Services and Manufacturing Journal
8, 67-93

DOI: 10.1007/bf00167801

Citation Report

#	ARTICLE	IF	CITATIONS
1	Selection of routes in a flexible manufacturing facility. International Journal of Production Economics, 1997, 48, 237-247.	5.1	38
2	Measuring supply chain performance. International Journal of Operations and Production Management, 1999, 19, 275-292.	3.5	1,450
3	Towards a taxonomy of search patterns of manufacturing flexibility in small and medium-sized firms. Omega, 2000, 28, 195-213.	3.6	35
4	Design and implementation of flexible manufacturing solutions in agile enterprises. International Journal of Agile Management Systems, 2000, 2, 187-195.	0.6	41
5	The strategic implications of flexibility in manufacturing systems. International Journal of Agile Management Systems, 2000, 2, 202-213.	0.6	81
6	Identifying manufacturing flexibility best practices in small and medium enterprises. International Journal of Operations and Production Management, 2002, 22, 929-947.	3.5	36
7	An audit tool for determining flexibility requirements in a manufacturing facility. Journal of Manufacturing Technology Management, 2002, 13, 264-274.	0.5	20
8	Modeling the flexibility of order quantities and lead-times in supply chains. International Journal of Production Economics, 2003, 85, 171-181.	5.1	143
9	Intra-cell machine layout associated with flexible production and transport systems. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2003, 217, 883-897.	1.5	22
10	Volume flexibility: the agile manufacturing conundrum. Management Decision, 2003, 41, 613-624.	2.2	40
11	Quantification of flexibility in advanced manufacturing systems using fuzzy concept. International Journal of Production Economics, 2004, 89, 45-56.	5.1	87
12	Agile manufacturing systems in the automotive industry. International Journal of Production Economics, 2004, 91, 201-214.	5.1	142
13	Performance and Evaluation of Manufacturing Systems. CIRP Annals - Manufacturing Technology, 2005, 54, 139-154.	1.7	160
14	A real-time methodology for minimizing mean flowtime in FMSs with routing flexibility: Threshold-based alternate routing. European Journal of Operational Research, 2005, 166, 369-384.	3.5	18
15	Flexibility-enabled lead-time reduction in flexible systems. International Journal of Production Research, 2005, 43, 3131-3162.	4.9	60
16	Measuring supply chain flexibility and selecting supplier based on supply contract. , 2005, , .		4
17	A scalable robotic-based laboratory automation system for medium-sized biotechnology laboratories. , 0, , .		5
18	Designing for manufacturing flexibility: a newsvendor approach. International Journal of Industrial and Systems Engineering, 2006, 1, 201.	0.1	15

#	ARTICLE	IF	CITATIONS
19	An Enhanced Change Modes and Effects Analysis (CMEA) Tool for Measuring Product Flexibility With Applications to Consumer Products. , 2006, , 873.		20
20	Increase in flexibility: productive or counterproductive? A study on the physical and operating characteristics of a flexible manufacturing system. International Journal of Production Research, 2006, 44, 1431-1445.	4.9	34
21	On the measurement of routing flexibility: A multiple attribute approach. International Journal of Production Economics, 2007, 109, 122-136.	5.1	32
22	Flexibility performance: Taguchi's method study of physical system and operating control parameters of FMS. Robotics and Computer-Integrated Manufacturing, 2007, 23, 25-37.	6.1	29
23	A review of some issues and identification of some barriers in the implementation of FMS. Flexible Services and Manufacturing Journal, 2007, 19, 1-40.	0.4	38
24	A rule-based fuzzy-logic approach for the measurement of manufacturing flexibility. International Journal of Advanced Manufacturing Technology, 2008, 38, 1098-1113.	1.5	21
25	Creating flexâ€leanâ€agile value chain by outsourcing. Business Process Management Journal, 2008, 14, 338-389.	2.4	81
26	An Assessment of PLC Software Structure Suitability for the Support of Flexible Manufacturing Processes. IEEE Transactions on Automation Science and Engineering, 2008, 5, 641-650.	3.4	10
27	Evaluating flexibility on order quantity and delivery lead time for a supply chain system. International Journal of Systems Science, 2008, 39, 1193-1202.	3.7	27
28	An AHP approach for the selection of Advanced Manufacturing System: a case study. International Journal of Manufacturing Research, 2008, 3, 471.	0.1	14
29	Product flexibility measurement with enhanced Change Modes and Effects Analysis (CMEA). International Journal of Mass Customisation, 2009, 3, 115.	1.2	11
30	An attribute approach to the measurement of machine-group flexibility. European Journal of Operational Research, 2009, 194, 774-786.	3.5	20
31	Flexibility dimensions to control the bullwhip effect in a supply chain. International Journal of Production Research, 2009, 47, 6357-6374.	4.9	22
32	MEASURING AND COMPARING VOLUME FLEXIBILITY IN THE CAPITAL GOODS INDUSTRY. Production and Operations Management, 2003, 12, 480-501.	2.1	46
33	A framework for managing supply-chain flexibility using a neural network. International Journal of Logistics Systems and Management, 2010, 6, 415.	0.2	7
34	Understanding the Link Between Information Technology Capability and Organizational Agility: An Empirical Examination. MIS Quarterly: Management Information Systems, 2011, 35, 931.	3.1	725
35	Flexibility measures for qualification management in wafer fabs. Production Planning and Control, 2011, 22, 81-90.	5.8	41
36	A new method for guiding process flexibility investment: flexibility fit index. International Journal of Production Research, 2012, 50, 3718-3737.	4.9	28

#	ARTICLE	IF	CITATIONS
37	An enterprise information system agility assessment model. Computer Science and Information Systems, 2012, 9, 107-133.	0.7	20
38	Modelling the factors affecting flexibility in FMS. International Journal of Industrial and Systems Engineering, 2012, 11, 350.	0.1	55
39	Flexibility consideration in the design of manufacturing systems: An industrial case study. CIRP Journal of Manufacturing Science and Technology, 2012, 5, 276-283.	2.3	14
40	Understanding cognitive aspects in measuring flexibility of a manufacturing supply chain. , 2012, , .		1
41	A method to determine customer-specific volume flexibility in a supply network. Production Engineering, 2012, 6, 69-78.	1.1	7
42	Flow time analyses of a simulated flexible job shop by considering jockeying. International Journal of Advanced Manufacturing Technology, 2012, 58, 693-707.	1.5	9
43	Ranking of Flexibility in Flexible Manufacturing System by Using a Combined Multiple Attribute Decision Making Method. Global Journal of Flexible Systems Management, 2013, 14, 125-141.	3.4	40
44	Volume and Mix Flexibility Evaluation of Lean Production Systems. Procedia CIRP, 2013, 9, 79-84.	1.0	16
45	Modelling and analysis of FMS productivity variables by ISM, SEM and GTMA approach. Frontiers of Mechanical Engineering, 2014, 9, 218-232.	2.5	40
46	An efficient genetic algorithm for setup time minimization in PCB assembly. International Journal of Advanced Manufacturing Technology, 2015, 77, 973-989.	1.5	4
47	Effect of cognitive automation in a material handling system on manufacturing flexibility. International Journal of Production Economics, 2015, 170, 891-899.	5.1	37
48	Flexibility measure analysis of supply chain. International Journal of Production Research, 2015, 53, 3161-3174.	4.9	19
49	Modelling the measures of supply chain performance in the Indian automotive industry. Benchmarking, 2015, 22, 665-696.	2.9	28
50	Assessing the Impact of Electronic Human Resource Management on Creation of Organizational Agility: A Study in the Bushehr Banks, Iran. Asian Social Science, 2016, 12, 105.	0.1	7
51	The value of strategy and flexibility in new product development. Journal of Enterprise Information Management, 2016, 29, 525-548.	4.4	22
52	Machine Tools. , 2016, , 83-157.		0
53	The elementary flux modes of a manufacturing system: a novel approach to explore the relationship of network structure and function. International Journal of Production Research, 2016, 54, 4145-4160.	4.9	6
54	Requirements for the Design of Flexible and Changeable Manufacturing and Assembly Systems: A SME-survey. Procedia CIRP, 2016, 41, 207-212.	1.0	57

#	ARTICLE	IF	CITATIONS
55	Modeling and analysis of FMS performance variables by ISM, SEM and GTMA approach. International Journal of Production Economics, 2016, 171, 84-96.	5.1	88
56	Measuring machine-group flexibility: a case study for surface mount assembly line with different configurations. Journal of Industrial and Production Engineering, 2017, 34, 261-273.	2.1	4
57	Prioritizing decision criteria of flexible manufacturing systems using fuzzy TOPSIS. Journal of Manufacturing Technology Management, 2017, 28, 913-927.	3.3	9
58	Measurement of Load and Capacity Flexibility in Manufacturing. Global Journal of Flexible Systems Management, 2017, 18, 291-302.	3.4	7
59	Flexible Design of Lean Production Systems in Response to Fluctuations Due to Logistics and Traffic. , 2017, , 51-82.		2
60	Metric based modelling of flexibility properties of demonstration plants. , 2017, , .		4
61	A systematic approach for supporting the adaptation process of discrete manufacturing machines. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2018, 29, 621-641.	1.2	20
62	Research opportunities on manufacturing flexibility domain: A review and theory-based research agenda. Journal of Manufacturing Systems, 2018, 48, 9-20.	7.6	34
63	Redefining energy system flexibility for distributed energy system design. Applied Energy, 2019, 253, 113572.	5.1	68
64	IS-Enabled Supply Chain Agility. , 2019, , 11-66.		2
65	A Mathematical Measure for Flexibility in Communication Networks. , 2019, , .		0
66	Multidimensional Assessment of Value Stream Design Alternatives. Procedia CIRP, 2019, 86, 264-269.	1.0	4
67	Modeling and analysis of FMS performance variables by fuzzy TISM. Journal of Modelling in Management, 2019, 14, 2-30.	1.1	30
68	A mathematical framework for measuring network flexibility. Computer Communications, 2020, 164, 13-24.	3.1	9
69	Multi-objective flexibility-complexity trade-off problem in batch production systems using fuzzy goal programming. Expert Systems With Applications, 2020, 148, 113266.	4.4	16
70	An integrated approach to design site specific distributed electrical hubs combining optimization, multi-criterion assessment and decision making. Energy, 2017, 134, 103-120.	4.5	56
71	A mathematical measure for flexibility in communication networks. , 2019, , .		2
72	Overall Equipment Flexibility. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2008, 103, 322-327.	0.2	3

#	ARTICLE	IF	CITATIONS
75	A Components Oriented Method for Evaluation of E-government Information Systems Agility. International Journal for Digital Society, 2012, 3, 703-713.	0.1	0
76	A taxonomy study on securing Blockchain-based Industrial applications: An overview, application perspectives, requirements, attacks, countermeasures, and open issues. Journal of Industrial Information Integration, 2022, 26, 100312.	4.3	20
77	Analysis of the manufacturing flexibility parameters with effective performance metrics: a new interactive approach based on modified TOPSIS-Taguchi method. International Journal on Interactive Design and Manufacturing, 2022, 16, 197-225.	1.3	4
79	Legacy Information Systems, Can They be Agile? A Framework for Assessing Agility. , 2014, 10, .		1
80	Enhancing flexibility for climate change using seasonal energy storage (aquifer thermal energy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 58	9.1	4
81	AN ATTRIBUTE SCHEME OF MANUFACTURING SYSTEMS FLEXIBILITY. , 2023, , .		0