

Reha Uzsoy

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172
papers

6,259
citations

41
h-index

75
g-index

198
ext. papers

7,101
ext. citations

4.2
avg, IF

5.96
L-index

#	Paper	IF	Citations
172	Executing production schedules in the face of uncertainties: A review and some future directions. <i>European Journal of Operational Research</i> , 2005 , 161, 86-110	5.6	436
171	A REVIEW OF PRODUCTION PLANNING AND SCHEDULING MODELS IN THE SEMICONDUCTOR INDUSTRY PART I: SYSTEM CHARACTERISTICS, PERFORMANCE EVALUATION AND PRODUCTION PLANNING. <i>IIE Transactions</i> , 1992 , 24, 47-60		394
170	Efficient Algorithms for Scheduling Semiconductor Burn-In Operations. <i>Operations Research</i> , 1992 , 40, 764-775	2.3	377
169	A REVIEW OF PRODUCTION PLANNING AND SCHEDULING MODELS IN THE SEMICONDUCTOR INDUSTRY PART II: SHOP-FLOOR CONTROL. <i>IIE Transactions</i> , 1994 , 26, 44-55		250
168	Experimental Evaluation of Heuristic Optimization Algorithms: A Tutorial. <i>Journal of Heuristics</i> , 2001 , 7, 261-304	1.9	199
167	Scheduling batch processing machines with incompatible job families. <i>International Journal of Production Research</i> , 1995 , 33, 2685-2708	7.8	163
166	Analysis of periodic and event-driven rescheduling policies in dynamic shops. <i>International Journal of Computer Integrated Manufacturing</i> , 1992 , 5, 153-163	4.3	162
165	Benchmarks for shop scheduling problems. <i>European Journal of Operational Research</i> , 1998 , 109, 137-141	3.6	145
164	Predictable scheduling of a job shop subject to breakdowns. <i>IEEE Transactions on Automation Science and Engineering</i> , 1998 , 14, 365-378		139
163	Rapid Modeling and Discovery of Priority Dispatching Rules: An Autonomous Learning Approach. <i>Journal of Scheduling</i> , 2006 , 9, 7-34	1.6	137
162	Outbound supply chain network design with mode selection, lead times and capacitated vehicle distribution centers. <i>European Journal of Operational Research</i> , 2005 , 165, 182-206	5.6	127
161	Minimizing total tardiness on a batch processing machine with incompatible job families. <i>IIE Transactions</i> , 1998 , 30, 165-178		117
160	A genetic algorithm to minimize maximum lateness on a batch processing machine. <i>Computers and Operations Research</i> , 2002 , 29, 1621-1640	4.6	112
159	A genetic algorithm for minimizing maximum lateness on parallel identical batch processing machines with dynamic job arrivals and incompatible job families. <i>Computers and Operations Research</i> , 2007 , 34, 3016-3028	4.6	111
158	Minimizing total completion time on a batch processing machine with job families. <i>Operations Research Letters</i> , 1993 , 13, 61-65	1	111
157	Rolling horizon procedures for dynamic parallel machine scheduling with sequence-dependent setup times. <i>International Journal of Production Research</i> , 1995 , 33, 3173-3192	7.8	110
156	Tractable nonlinear production planning models for semiconductor wafer fabrication facilities. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2006 , 19, 95-111	2.6	108

155	Decomposition Methods for Complex Factory Scheduling Problems 1997 ,		107
154	Production planning with resources subject to congestion. <i>Naval Research Logistics</i> , 2009 , 56, 142-157	1.5	100
153	Predictable scheduling of a single machine with breakdowns and sensitive jobs. <i>International Journal of Production Research</i> , 1999 , 37, 4217-4233	7.8	93
152	Cycle-time improvements for photolithography process in semiconductor manufacturing. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2001 , 14, 48-56	2.6	83
151	. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 1991 , 4, 270-280	2.6	80
150	A genetic algorithm for a single product network design model with lead time and safety stock considerations. <i>European Journal of Operational Research</i> , 2009 , 197, 599-608	5.6	74
149	Rescheduling on a single machine with part-type dependent setup times and deadlines. <i>Annals of Operations Research</i> , 1997 , 70, 93-113	3.2	70
148	A Computational Study of Shifting Bottleneck Procedures for Shop Scheduling Problems. <i>Journal of Heuristics</i> , 1997 , 3, 111-137	1.9	67
147	Decomposition methods for reentrant flow shops with sequence-dependent setup times. <i>Journal of Scheduling</i> , 2000 , 3, 155-177	1.6	63
146	Scheduling semiconductor test operations: Minimizing maximum lateness and number of tardy jobs on a single machine. <i>Naval Research Logistics</i> , 1992 , 39, 369-388	1.5	60
145	A single-product network design model with lead time and safety stock considerations. <i>IIE Transactions</i> , 2007 , 39, 411-424		58
144	Learning effective dispatching rules for batch processor scheduling. <i>International Journal of Production Research</i> , 2008 , 46, 1431-1454	7.8	56
143	MINIMIZING TOTAL WEIGHTED COMPLETION TIME ON A SINGLE BATCH PROCESSING MACHINE. <i>Production and Operations Management</i> , 2009 , 6, 57-73	3.6	55
142	Hybrid decomposition heuristics for solving large-scale scheduling problems in semiconductor wafer fabrication. <i>Journal of Scheduling</i> , 2007 , 10, 41-65	1.6	55
141	Modelling and analysis of semiconductor manufacturing in a shrinking world: challenges and successes. <i>European Journal of Industrial Engineering</i> , 2011 , 5, 254	1.1	54
140	Exploiting shop floor status information to schedule complex job shops. <i>Journal of Manufacturing Systems</i> , 1994 , 13, 73-84	9.1	52
139	An Exploratory Analysis of Two Iterative Linear Programming-Simulation Approaches for Production Planning. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2010 , 23, 442-455	2.6	50
138	An Experimental Comparison of Production Planning Using Clearing Functions and Iterative Linear Programming-Simulation Algorithms. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2012 , 25, 104-117	2.6	49

137	Modeling for the equitable and effective distribution of donated food under capacity constraints. <i>IIE Transactions</i> , 2016 , 48, 252-266		47
136	Optimal disassembly configurations for single and multiple products. <i>Journal of Manufacturing Systems</i> , 1999 , 18, 311-322	9.1	47
135	Planning Wafer Starts Using Nonlinear Clearing Functions: A Large-Scale Experiment. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2013 , 26, 602-612	2.6	45
134	Performance of decomposition procedures for job shop scheduling problems with bottleneck machines. <i>International Journal of Production Research</i> , 2000 , 38, 1271-1286	7.8	45
133	Scheduling a single batch processing machine with secondary resource constraints. <i>Journal of Manufacturing Systems</i> , 1998 , 17, 37-51	9.1	43
132	A Tabu search approach to scheduling an automated wet etch station. <i>Journal of Manufacturing Systems</i> , 1997 , 16, 102-116	9.1	42
131	A survey of semiconductor supply chain models part I: semiconductor supply chains, strategic network design, and supply chain simulation. <i>International Journal of Production Research</i> , 2018 , 56, 4524-4545 ⁴⁰	7.8	40
130	Evaluation and comparison of production schedules. <i>Computers in Industry</i> , 2000 , 42, 203-220	11.6	38
129	Maintenance scheduling and staffing policies in a wafer fabrication facility. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 1998 , 11, 316-323	2.6	37
128	A shifting bottleneck algorithm for scheduling semiconductor testing operations. <i>Journal of Electronics Manufacturing</i> , 1992 , 02, 119-134		37
127	A capacity allocation problem with integer side constraints. <i>European Journal of Operational Research</i> , 1998 , 109, 170-182	5.6	36
126	Scheduling and order release in a single-stage production system. <i>Journal of Manufacturing Systems</i> , 1995 , 14, 290-306	9.1	36
125	Finite-capacity production planning algorithms for a semiconductor wafer fabrication facility. <i>International Journal of Production Research</i> , 2001 , 39, 825-842	7.8	35
124	Modeling Cycle Times in Production Planning Models for Wafer Fabrication. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2016 , 29, 153-167	2.6	35
123	Optimization Models of Production Planning Problems. <i>Profiles in Operations Research</i> , 2011 , 437-507	1	33
122	Implementing global factory schedules in the face of stochastic disruptions. <i>International Journal of Production Research</i> , 2005 , 43, 793-818	7.8	33
121	Control of a batch-processing machine: A computational approach. <i>International Journal of Production Research</i> , 1998 , 36, 3167-3181	7.8	33
120	A problem reduction approach for scheduling semiconductor wafer fabrication facilities. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2006 , 19, 216-225	2.6	32

119	A metamodel-based Monte Carlo simulation approach for responsive production planning of manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2016 , 38, 114-133	9.1	31
118	Decomposition methods for scheduling semiconductor testing facilities. <i>Flexible Services and Manufacturing Journal</i> , 1996 , 8, 357		31
117	A survey of semiconductor supply chain models part III: master planning, production planning, and demand fulfilment. <i>International Journal of Production Research</i> , 2018 , 56, 4565-4584	7.8	29
116	The effect of shop floor continuous improvement programs on the lot size/cycle time relationship in a multi-product single-machine environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 52, 669-681	3.2	28
115	Rolling horizon procedures for the single machine deterministic total completion time scheduling problem with release dates. <i>Annals of Operations Research</i> , 1997 , 70, 115-125	3.2	28
114	Machine Criticality Measures and Subproblem Solution Procedures in Shifting Bottleneck Methods: A Computational Study. <i>Journal of the Operational Research Society</i> , 1996 , 47, 666-667	2	28
113	Performance evaluation of dispatching rules for semiconductor testing operations. <i>Journal of Electronics Manufacturing</i> , 1993 , 03, 95-105		28
112	A new dynamic programming algorithm for the parallel machines total weighted completion time problem. <i>Operations Research Letters</i> , 1992 , 11, 73-75	1	28
111	Quantifying the benefits of cycle time reduction in semiconductor wafer fabrication. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2000 , 23, 39-47		27
110	Estimating Clearing Functions for Production Resources Using Simulation Optimization. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015 , 12, 539-552	4.9	24
109	A survey of semiconductor supply chain models Part II: demand planning, inventory management, and capacity planning. <i>International Journal of Production Research</i> , 2018 , 56, 4546-4564	7.8	24
108	. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2015 , 28, 374-384	2.6	24
107	Measures of subproblem criticality in decomposition algorithms for shop scheduling. <i>International Journal of Production Research</i> , 2003 , 41, 865-882	7.8	24
106	An integrated production planning model with load-dependent lead-times and safety stocks. <i>Computers and Chemical Engineering</i> , 2009 , 33, 2159-2163	4	23
105	Incorporating manufacturing lead times in joint production-marketing models: A review and some future directions. <i>Annals of Operations Research</i> , 2008 , 161, 171-188	3.2	23
104	Using a mathematical programming model to examine the marginal price of capacitated resources. <i>International Journal of Production Economics</i> , 2011 , 131, 383-391	9.3	22
103	Single-machine scheduling with dynamic arrivals: Decomposition results and an improved algorithm. <i>Naval Research Logistics</i> , 1996 , 43, 709-719	1.5	22
102	Implementation of a decision support system for scheduling semiconductor test operations. <i>Journal of Electronics Manufacturing</i> , 1993 , 03, 121-131		22

101	Modeling for the equitable and effective distribution of food donations under stochastic receiving capacities. <i>IIE Transactions</i> , 2017 , 49, 567-578	3.3	20
100	Rolling horizon, multi-product production planning with chance constraints and forecast evolution for wafer fabs. <i>International Journal of Production Research</i> , 2018 , 56, 6112-6134	7.8	20
99	The impact of simultaneous continuous improvement in setup time and repair time on manufacturing cycle times under uncertain conditions. <i>International Journal of Production Research</i> , 2013 , 51, 447-464	7.8	20
98	Chance-constrained formulations in rolling horizon production planning: an experimental study. <i>International Journal of Production Research</i> , 2016 , 54, 3927-3942	7.8	20
97	Robust optimization approaches for the equitable and effective distribution of donated food. <i>European Journal of Operational Research</i> , 2018 , 269, 516-531	5.6	19
96	The impact of lot-sizing in multiple product environments with congestion. <i>Journal of Manufacturing Systems</i> , 2014 , 33, 436-444	9.1	18
95	Prioritising production and engineering lots in wafer fabrication facilities: a simulation study. <i>International Journal of Production Research</i> , 2011 , 49, 3105-3125	7.8	18
94	A comparison of multiple linear regression approaches for fitting clearing functions to empirical data. <i>International Journal of Production Research</i> , 2014 , 52, 3164-3184	7.8	17
93	Integrating a decomposition procedure with problem reduction for factory scheduling with disruptions: a simulation study. <i>International Journal of Production Research</i> , 2008 , 46, 5883-5905	7.8	17
92	An exploratory study of disaggregated clearing functions for production systems with multiple products. <i>International Journal of Production Research</i> , 2014 , 52, 5301-5322	7.8	16
91	Integrated Planning of Production and Engineering Process Improvement. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2008 , 21, 390-398	2.6	16
90	Achieving Equity, Effectiveness, and Efficiency in Food Bank Operations: Strategies for Feeding America with Implications for Global Hunger Relief. <i>Profiles in Operations Research</i> , 2016 , 229-256	1	15
89	Production planning for semiconductor manufacturing via simulation optimization 2011 ,		15
88	Zero-order production planning models with stochastic demand and workload-dependent lead times. <i>International Journal of Production Research</i> , 2015 , 53, 1661-1679	7.8	14
87	Identifying potential bottlenecks in production systems using dual prices from a mathematical programming model. <i>International Journal of Production Research</i> , 2016 , 54, 2000-2018	7.8	14
86	Modeling and Analysis of Integrated Planning of Production and Engineering Process Improvement. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2013 , 26, 414-422	2.6	14
85	Assessing the impact of alternative continuous improvement programmes in a flow shop using system dynamics. <i>International Journal of Production Research</i> , 2014 , 52, 3014-3031	7.8	14
84	Multi-dimensional clearing functions for aggregate capacity modelling in multi-stage production systems. <i>International Journal of Production Research</i> , 2017 , 55, 4164-4179	7.8	13

83	Estimating clearing functions from simulation data 2010 ,		13
82	Simulation-based performance assessment of production planning formulations for semiconductor wafer fabrication 2015 ,		12
81	Modeling the evolution of dependency between demands, with application to inventory planning. <i>IIE Transactions</i> , 2014 , 46, 55-66		12
80	Production planning with load-dependent lead times and safety stocks for a single product. <i>International Journal of Planning and Scheduling</i> , 2011 , 1, 58	0.8	12
79	Performance of decomposition methods for complex workshops under multiple criteria. <i>Computers and Industrial Engineering</i> , 1997 , 33, 261-264	6.4	12
78	Supply chain optimisation and protocol environment (SCOPE) for rapid prototyping and analysis of complex supply chains. <i>Production Planning and Control</i> , 2007 , 18, 388-406	4.3	12
77	Short-term capacity allocation problem with tool and setup constraints. <i>Naval Research Logistics</i> , 2005 , 52, 754-764	1.5	12
76	Lagrangian heuristics for scheduling new product development projects in the pharmaceutical industry. <i>Journal of Heuristics</i> , 2007 , 13, 403-433	1.9	11
75	Using System Dynamics Simulations to Compare Capacity Models for Production Planning 2006 ,		11
74	Integrating Interval Estimates of Global Optima and Local Search Methods for Combinatorial Optimization Problems. <i>Journal of Heuristics</i> , 2000 , 6, 481-500	1.9	11
73	An iterative heuristic for the single machine dynamic total completion time scheduling problem. <i>Computers and Operations Research</i> , 1996 , 23, 641-651	4.6	11
72	Chance-Constraint-Based Heuristics for Production Planning in the Face of Stochastic Demand and Workload-Dependent Lead Times 2012 , 173-208		11
71	Simulation-Based Performance Assessment of Production Planning Models With Safety Stock and Forecast Evolution in Semiconductor Wafer Fabrication. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2020 , 33, 1-12	2.6	10
70	Outbound supply chain network design with mode selection and lead time considerations. <i>Naval Research Logistics</i> , 2007 , 54, 282-300	1.5	10
69	Heuristics for minimizing maximum lateness on a single machine with family-dependent set-up times. <i>Computers and Operations Research</i> , 2008 , 35, 2018-2033	4.6	10
68	Measuring the Quality of Manufacturing Schedules 1995 , 129-154		10
67	An experimental study of an iterative simulation-optimization algorithm for production planning 2008 ,		9
66	Computer-Aided Process Planning and Material Requirements Planning: First Steps towards Computer-Integrated Manufacturing. <i>Interfaces</i> , 1992 , 22, 76-86	0.7	9

65	A data-driven iterative refinement approach for estimating clearing functions from simulation models of production systems. <i>International Journal of Production Research</i> , 2019 , 57, 6013-6030	7.8	8
64	Statistical optimum estimation techniques for combinatorial optimization problems: a review and critique. <i>Journal of Heuristics</i> , 2014 , 20, 329-358	1.9	8
63	Investigating interventions for increasing colorectal cancer screening: Insights from a simulation model. <i>Socio-Economic Planning Sciences</i> , 2013 , 47, 142-155	3.7	8
62	Continuous Dynamic Models, Clearing Functions, and Discrete-Event Simulation in Aggregate Production Planning 2012 , 103-126		8
61	Impact of Scheduling Policies on the Performance of an Additive Manufacturing Production System. <i>Procedia Manufacturing</i> , 2019 , 39, 447-456	1.5	8
60	Production Planning with Capacitated Resources and Congestion 2020 ,		7
59	Efeito da reduç�o do tamanho de lote e de programas de Melhoria Cont�ua no Estoque em Processo (WIP) e na Utilizaç�o: estudo utilizando uma abordagem h�brida System Dynamics - Factory Physics. <i>Production</i> , 2009 , 19, 214-229	1.3	7
58	Heuristics for capacity planning problems with congestion. <i>Computers and Operations Research</i> , 2009 , 36, 1924-1934	4.6	7
57	Exact and heuristic procedures for capacity expansion problems with congestion. <i>IIE Transactions</i> , 2008 , 40, 1185-1197		7
56	Modeling and analysis of semiconductor manufacturing in a shrinking world: Challenges and successes 2008 ,		7
55	Observations on the interactions among deadlock avoidance policies and dispatching rules in automated manufacturing systems. <i>International Journal of Production Research</i> , 2003 , 41, 81-95	7.8	7
54	An experimental expert system for process planning of sheet-metal parts. <i>Computers and Industrial Engineering</i> , 1991 , 20, 59-69	6.4	7
53	Valid inequalities for concave piecewise linear regression. <i>Operations Research Letters</i> , 2019 , 47, 52-58	1	6
52	A comparison of mixed integer programming formulations of the capacitated lot-sizing problem. <i>International Journal of Production Research</i> , 2018 , 56, 7064-7084	7.8	6
51	Estudo do efeito de programas de melhoria cont�ua em vari�veis do ch� de f�brica na rela�o entre tamanho de lote de produ�o e lead time: lead time relationship. <i>Gest�o & Produ�o</i> , 2010 , 17, 137-148	0.9	5
50	Modeling the impact of new product introduction on the output of semiconductor wafer fabrication facilities 2016 ,		5
49	The Effects of Production Planning on the Dynamic Behavior of a Simple Supply Chain: An Experimental Study. <i>Profiles in Operations Research</i> , 2011 , 43-80	1	5
48	Estimating the Costs of Planned Changes Implied by Freezing Production Plans. <i>Profiles in Operations Research</i> , 2016 , 17-44	1	4

47	Lead time modeling in production planning 2015 ,		4
46	Media Streams Scheduling for Synchronization in Distributed Multimedia Systems. <i>Journal of Parallel and Distributed Computing</i> , 1999 , 56, 272-295	4.4	4
45	2016 ,		4
44	Rounding heuristics for multiple product dynamic lot-sizing in the presence of queueing behavior. <i>Computers and Operations Research</i> , 2018 , 100, 54-65	4.6	3
43	An iterative refinement approach to fitting clearing functions to data from simulation models of production systems 2017 ,		3
42	Machine Criticality Measures and Subproblem Solution Procedures in Shifting Bottleneck Methods: A Computational Study. <i>Journal of the Operational Research Society</i> , 1996 , 47, 666	2	3
41	A robust strategy approach to a strategic mobility problem. <i>European Journal of Operational Research</i> , 1994 , 79, 266-276	5.6	3
40	A genetic algorithm for order acceptance and scheduling in additive manufacturing. <i>International Journal of Production Research</i> , 1-18	7.8	3
39	SIMULATION OPTIMIZATION FOR PLANNING PRODUCT TRANSITIONS IN SEMICONDUCTOR MANUFACTURING FACILITIES 2018 ,		3
38	Advanced Planning and Scheduling for Manufacturing, 2033-2053		3
37	Modeling the effect of public health resources and alerting on the dynamics of pertussis spread. <i>Health Systems</i> , 2016 , 5, 81-97	2.3	2
36	A random keys genetic algorithm for a bicriterion project selection and scheduling problem. <i>International Journal of Planning and Scheduling</i> , 2015 , 2, 110	0.8	2
35	Minimizing total tardiness on a batch processing machine with incompatible job families. <i>IIE Transactions</i> , 1998 , 30, 165-178		2
34	Scheduling Semiconductor Test Operations: Optimization and Approximation 1992 , 179-199		2
33	Iterative combinatorial auctions for managing product transitions in semiconductor manufacturing. <i>IIE Transactions</i> , 2020 , 52, 413-431	3.3	2
32	A Simple Model of Capacity Contention During New Product Introductions. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2020 , 33, 240-251	2.6	1
31	Load dependent lead time modelling: A robust optimization approach 2017 ,		1
30	A comparison of production planning formulations with exogenous cycle time estimates using a large-scale wafer fab model 2013 ,		1

29	Modelling the response of a public health department to infectious disease 2010 ,		1
28	Determining safety stocks in the presence of workload-dependent lead times 2007 ,		1
27	Planning Models with Stationary Fixed Lead Times 2020 , 77-112		1
26	Optimizing Engineering and Production Lots During Product Transitions in Semiconductor Manufacturing 2019 ,		1
25	Problem Reduction Approaches for Production Planning Using Clearing Functions 2018 ,		1
24	Conic programming models for production planning with clearing functions: Formulations and duality. <i>European Journal of Operational Research</i> , 2021 , 292, 953-966	5.6	1
23	Integrated Production Planning and Pricing Decisions in Congestion-Prone Capacitated Production Systems. <i>Profiles in Operations Research</i> , 2014 , 29-68	1	1
22	Review of Decomposition Methods for Factory Scheduling Problems 1997 , 31-45		0
21	Managing product transitions with learning and congestion effects. <i>International Journal of Production Economics</i> , 2021 , 239, 108190	9.3	0
20	Computing the number of acute-care beds within NC Certificate of Need. <i>Health Systems</i> , 2016 , 5, 98-108.3		
19	Production Planning and Control Frameworks 2020 , 29-45		
18	Univariate Clearing Functions 2020 , 143-189		
17	Time-Varying Lead Times and Iterative Multi-Model Approaches 2020 , 113-141		
16	Editorial Appreciation to Our Reviewers. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2018 , 31, 405-405	2.6	
15	Problemreduzierungsansätze für die Produktionsplanung unter Verwendung von Auslastungsfunktionen. <i>Automatisierungstechnik</i> , 2019 , 67, 455-467	0.8	
14	Editorial Appreciation to the TSM Community. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2019 , 32, 362-362	2.6	
13	Multivariate Clearing Functions 2020 , 191-220		
12	Workload and Cycle Time in the Production Unit 2020 , 19-28		

- 11 Applications of Clearing Functions **2020**, 239-262
- 10 Lot-Sizing Models Using Multi-dimensional Clearing Functions **2020**, 221-237
- 9 Naive Rolling Horizon Procedures for Job Shop Scheduling **1997**, 147-160
- 8 Computational Results for Shops with Single and Parallel Machine Workcenters **1997**, 175-189
- 7 Workcenter-based Decomposition Procedures for the Classical Job Shop Environment **1997**, 61-90
- 6 Tailored Decomposition Procedures for Semiconductor Testing Facilities **1997**, 161-173
- 5 A Generic Decomposition Procedure for Semiconductor Testing Facilities **1997**, 91-106
- 4 Time-Based Decomposition Procedures for Single-Machine Subproblems **1997**, 107-128
- 3 Editorial 2018 Best Paper Award. *IEEE Transactions on Semiconductor Manufacturing*, **2019**, 32, 139-139 2.6
- 2 Constraint violation reduction search for 0-1 mixed integer linear programming problems. *Engineering Optimization*, **2021**, 53, 609-626 2
- 1 Editorial from the Incoming Editor-in-Chief. *IEEE Transactions on Semiconductor Manufacturing*, **2018**, 31, 195-195 2.6