

# John W Fowler

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173 papers	4,325 citations	37 h-index	58 g-index
187 ext. papers	5,072 ext. citations	3.9 avg, IF	5.64 L-index

#	Paper	IF	Citations
173	A survey of problems, solution techniques, and future challenges in scheduling semiconductor manufacturing operations. <i>Journal of Scheduling</i> , <b>2011</b> , 14, 583-599	1.6	224
172	A multi-population genetic algorithm to solve multi-objective scheduling problems for parallel machines. <i>Computers and Operations Research</i> , <b>2003</b> , 30, 1087-1102	4.6	160
171	Heuristic scheduling of jobs on parallel batch machines with incompatible job families and unequal ready times. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 2731-2750	4.6	144
170	Grand Challenges in Modeling and Simulation of Complex Manufacturing Systems. <i>Simulation</i> , <b>2004</b> , 80, 469-476	1.2	141
169	How simulation modelling can help reduce the impact of COVID-19. <i>Journal of Simulation</i> , <b>2020</b> , 14, 83-97.	7.9	134
168	A modified shifting bottleneck heuristic for minimizing total weighted tardiness in complex job shops. <i>Journal of Scheduling</i> , <b>2002</b> , 5, 247-262	1.6	132
167	Genetic algorithm based scheduling of parallel batch machines with incompatible job families to minimize total weighted tardiness. <i>International Journal of Production Research</i> , <b>2004</b> , 42, 1621-1638	7.8	122
166	A new scheduling approach using combined dispatching criteria in wafer fabs. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2003</b> , 16, 501-510	2.6	107
165	Bi-Criteria Scheduling of Surgical Services for an Outpatient Procedure Center. <i>Production and Operations Management</i> , <b>2011</b> , 20, 406-417	3.6	97
164	Production Planning and Control for Semiconductor Wafer Fabrication Facilities. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> ,	0.3	86
163	. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>1992</b> , 5, 158-163	2.6	84
162	Mixed integer programming formulations for single machine scheduling problems. <i>Computers and Industrial Engineering</i> , <b>2009</b> , 56, 357-367	6.4	82
161	The use of upstream and downstream information in scheduling semiconductor batch operations. <i>International Journal of Production Research</i> , <b>1995</b> , 33, 1849-1869	7.8	76
160	Heuristics for minimizing regular performance measures in unrelated parallel machine scheduling problems. <i>Computers and Operations Research</i> , <b>2011</b> , 38, 901-916	4.6	75
159	Scheduling jobs on parallel machines with setup times and ready times. <i>Computers and Industrial Engineering</i> , <b>2008</b> , 54, 764-782	6.4	75
158	Minimizing total weighted tardiness on a single batch process machine with incompatible job families. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 327-341	4.6	72
157	Genetic algorithm-based subproblem solution procedures for a modified shifting bottleneck heuristic for complex job shops. <i>European Journal of Operational Research</i> , <b>2007</b> , 177, 2100-2118	5.6	71

156	Heuristics for workforce planning with worker differences. <i>European Journal of Operational Research</i> , <b>2008</b> , 190, 724-740	5.6	62
155	Workload control in the semiconductor industry. <i>Production Planning and Control</i> , <b>2002</b> , 13, 568-578	4.3	60
154	Modelling inherent worker differences for workforce planning. <i>International Journal of Production Research</i> , <b>2007</b> , 45, 525-553	7.8	55
153	Modelling and analysis of semiconductor manufacturing in a shrinking world: challenges and successes. <i>European Journal of Industrial Engineering</i> , <b>2011</b> , 5, 254	1.1	54
152	A SURVEY OF ALGORITHMS FOR SINGLE AND MULTI-OBJECTIVE UNRELATED PARALLEL-MACHINE DETERMINISTIC SCHEDULING PROBLEMS. <i>Journal of the Chinese Institute of Industrial Engineers</i> , <b>2004</b> , 21, 230-241		53
151	A combined dispatching criteria approach to scheduling semiconductor manufacturing systems. <i>Computers and Industrial Engineering</i> , <b>2001</b> , 39, 307-324	6.4	53
150	Multi-mode resource-constrained project scheduling problems with non-preemptive activity splitting. <i>Computers and Operations Research</i> , <b>2015</b> , 53, 275-287	4.6	51
149	Interactive evolutionary multi-objective optimization for quasi-concave preference functions. <i>European Journal of Operational Research</i> , <b>2010</b> , 206, 417-425	5.6	49
148	D-Optimal Sequential Experiments for Generating a Simulation-Based Cycle Time-Throughput Curve. <i>Operations Research</i> , <b>2002</b> , 50, 981-990	2.3	49
147	Operational planning and control of semiconductor wafer production. <i>Production Planning and Control</i> , <b>2006</b> , 17, 639-647	4.3	48
146	Scheduling of unrelated parallel machines: an application to PWB manufacturing. <i>IIE Transactions</i> , <b>2002</b> , 34, 921-931		44
145	A multi-criteria approach for scheduling semiconductor wafer fabrication facilities. <i>Journal of Scheduling</i> , <b>2008</b> , 11, 29-47	1.6	43
144	Control of multiproduct bulk server diffusion/oxidation processes. Part 2: multiple servers. <i>IIE Transactions</i> , <b>2000</b> , 32, 167-176		43
143	Scheduling interfering job sets on parallel machines. <i>European Journal of Operational Research</i> , <b>2009</b> , 199, 55-67	5.6	41
142	Deploying LSS in a global enterprise [project identification]. <i>International Journal of Lean Six Sigma</i> , <b>2012</b> , 3, 187-205	4.6	41
141	A hybrid approach using the analytic hierarchy process and integer programming to screen weapon systems projects. <i>IEEE Transactions on Engineering Management</i> , <b>2003</b> , 50, 192-203	2.6	41
140	CONTROL OF MULTIPRODUCT BULK SERVICE DIFFUSION/OXIDATION PROCESSES. <i>IIE Transactions</i> , <b>1992</b> , 24, 84-96		41
139	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> , <b>2018</b> , 56, 4524-4545	7.8	40

138	Multiple response optimization using mixture-designed experiments and desirability functions in semiconductor scheduling. <i>International Journal of Production Research</i> , <b>2003</b> , 41, 939-961	7.8	39
137	Crossdocking–Just in Time scheduling: an alternative solution approach. <i>Journal of the Operational Research Society</i> , <b>2009</b> , 60, 554-564	2	37
136	Heuristics for minimizing total weighted tardiness in complex job shops. <i>International Journal of Production Research</i> , <b>2005</b> , 43, 1943-1963	7.8	37
135	Multivariate statistical methods for modeling and analysis of wafer probe test data. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2002</b> , 15, 523-530	2.6	37
134	A Progressive Hedging Approach for Surgery Planning Under Uncertainty. <i>INFORMS Journal on Computing</i> , <b>2015</b> , 27, 755-772	2.4	34
133	Planning and scheduling in Japanese semiconductor manufacturing. <i>Journal of Manufacturing Systems</i> , <b>1994</b> , 13, 323-332	9.1	34
132	Optimal batching in a wafer fabrication facility using a multiproduct G/G/c model with batch processing. <i>International Journal of Production Research</i> , <b>2002</b> , 40, 275-292	7.8	33
131	Determining the optimal target for a process with multiple markets and variable holding costs. <i>International Journal of Production Economics</i> , <b>2000</b> , 65, 229-242	9.3	32
130	Efficient cycle time-throughput curve generation using a fixed sample size procedure. <i>International Journal of Production Research</i> , <b>2001</b> , 39, 2595-2613	7.8	31
129	Supply network capacity planning for semiconductor manufacturing with uncertain demand and correlation in demand considerations. <i>International Journal of Production Economics</i> , <b>2011</b> , 134, 322-332	9.3	30
128	. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2008</b> , 21, 600-613	2.6	30
127	Semiconductor Manufacturing Scheduling and Dispatching <b>2006</b> , 213-241		30
126	Quantitative Comparison of Approximate Solution Sets for Bi-criteria Optimization Problems*. <i>Decision Sciences</i> , <b>2003</b> , 34, 63-82	3.7	29
125	A survey of semiconductor supply chain models part III: master planning, production planning, and demand fulfilment. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 4565-4584	7.8	29
124	Multiple-objective heuristics for scheduling unrelated parallel machines. <i>European Journal of Operational Research</i> , <b>2013</b> , 227, 239-253	5.6	28
123	Optimal control policies for ambulance diversion. <i>European Journal of Operational Research</i> , <b>2014</b> , 236, 298-312	5.6	25
122	THE INCLUSION OF FUTURE ARRIVALS AND DOWNSTREAM SETUPS INTO WAFER FABRICATION BATCH PROCESSING DECISIONS. <i>Journal of Electronics Manufacturing</i> , <b>2002</b> , 11, 149-159		25
121	A survey of semiconductor supply chain models Part II: demand planning, inventory management, and capacity planning. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 4546-4564	7.8	24

120	Batch scheduling on parallel machines with dynamic job arrivals and incompatible job families. <i>International Journal of Production Research</i> , <b>2013</b> , 51, 2462-2477	7.8	24
119	Minimizing makespan with multiple-orders-per-job in a two-machine flowshop. <i>European Journal of Operational Research</i> , <b>2007</b> , 182, 63-79	5.6	24
118	Enterprise-wide semiconductor manufacturing resource planning. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2006</b> , 19, 259-268	2.6	24
117	Point-of-Dispensing Location and Capacity Optimization via a Decision Support System. <i>Production and Operations Management</i> , <b>2015</b> , 24, 1311-1328	3.6	23
116	Lot-to-order matching for a semiconductor assembly and test facility. <i>IIE Transactions</i> , <b>1999</b> , 31, 1103-1111		23
115	Impact of permutation enforcement when minimizing total weighted tardiness in dynamic flowshops with uncertain processing times. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 3055-3068	4.6	22
114	A clustering algorithm for supplier base management. <i>International Journal of Production Research</i> , <b>2010</b> , 48, 3803-3821	7.8	21
113	Comparison and evaluation of lot-to-order matching policies for a semiconductor assembly and test facility. <i>International Journal of Production Research</i> , <b>2000</b> , 38, 1841-1853	7.8	21
112	A hybrid scheduling approach for a two-stage flexible flow shop with batch processing machines. <i>Journal of Scheduling</i> , <b>2018</b> , 21, 209-226	1.6	20
111	Simulation modeling for pandemic decision making: A case study with bi-criteria analysis on school closures. <i>Decision Support Systems</i> , <b>2013</b> , 55, 564-575	5.6	20
110	Constraint Programming Approach for Scheduling Jobs With Release Times, Non-Identical Sizes, and Incompatible Families on Parallel Batching Machines. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2017</b> , 30, 500-507	2.6	20
109	A new method of exercising pandemic preparedness through an interactive simulation and visualization. <i>Journal of Medical Systems</i> , <b>2012</b> , 36, 1475-83	5.1	19
108	Indirect cycle time quantile estimation using the Cornish-Bisher expansion. <i>IIE Transactions</i> , <b>2009</b> , 42, 31-44		19
107	Evaluating the impacts of reticle requirements in semiconductor wafer fabrication. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2005</b> , 18, 622-632	2.6	19
106	A compact abstraction of manufacturing nodes in a supply network. <i>International Journal of Simulation and Process Modelling</i> , <b>2007</b> , 3, 115	0.4	18
105	Cost-constrained G-efficient Response Surface Designs for Cuboidal Regions. <i>Quality and Reliability Engineering International</i> , <b>2006</b> , 22, 121-139	2.6	18
104	Simulation-based experimental design and statistical modeling for lead time quotation. <i>Journal of Manufacturing Systems</i> , <b>2015</b> , 37, 362-374	9.1	17
103	Quantitative Comparison of Approximate Solution Sets for Multicriteria Optimization Problems with Weighted Tchebycheff Preference Function. <i>Operations Research</i> , <b>2010</b> , 58, 650-659	2.3	17

102	The development of the complete X-factor contribution measurement for improving cycle time and cycle time variability. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2006</b> , 19, 352-362	2.6	17
101	Robust scaling parameters for composite dispatching rules. <i>IIE Transactions</i> , <b>2010</b> , 42, 842-853		16
100	Improving the pushpull strategy in a serial supply chain by a hybrid pushpull control with multiple pulling points. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 5651-5668	7.8	16
99	Scheduling of Wet Etch and Furnace Operations with Next Arrival Control Heuristic. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2008</b> , 38, 1006-1017	3.2	16
98	A Testbed for Simulating Semiconductor Supply Chains. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2017</b> , 30, 293-305	2.6	15
97	Robust demand service achievement for the co-production newsvendor. <i>IIE Transactions</i> , <b>2012</b> , 44, 327-341		15
96	Semiconductor lot allocation using robust optimization. <i>European Journal of Operational Research</i> , <b>2010</b> , 205, 557-570	5.6	15
95	Bin covering algorithms in the second stage of the lot to order matching problem. <i>Journal of the Operational Research Society</i> , <b>2001</b> , 52, 1232-1243	2	15
94	<b>2011</b> ,		14
93	Scheduling parallel machines with single vehicle delivery. <i>Journal of Heuristics</i> , <b>2014</b> , 20, 511-537	1.9	13
92	Impact of Number of Interactions, Different Interaction Patterns, and Human Inconsistencies on Some Hybrid Evolutionary Multiobjective Optimization Algorithms*. <i>Decision Sciences</i> , <b>2015</b> , 46, 981-1006	3.7	13
91	Capacity planning through queueing analysis and simulation-based statistical methods: a case study for semiconductor wafer fabs. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 4573-4591	7.8	13
90	Petri Net Translation Patterns for the Analysis of eBusiness Collaboration Messaging Protocols. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2009</b> , 39, 1022-1034		13
89	Development and analysis of a customer-demand-driven semiconductor supply chain model using the High Level Architecture. <i>International Journal of Simulation and Process Modelling</i> , <b>2006</b> , 2, 210	0.4	13
88	A framework for evaluating remote diagnostics investment decisions for semiconductor equipment suppliers. <i>European Journal of Operational Research</i> , <b>2007</b> , 180, 1411-1426	5.6	12
87	Bi-criteria evaluation of an outpatient procedure center via simulation <b>2007</b> ,		12
86	Scheduling of unrelated parallel machines: an application to PWB manufacturing. <i>IIE Transactions</i> , <b>2002</b> , 34, 921-931		12
85	RESEARCH DIRECTIONS IN ELECTRONICS MANUFACTURING. <i>IIE Transactions</i> , <b>1992</b> , 24, 6-17		12

84	Simulation in Production Planning: An Overview with Emphasis on Recent Developments in Cycle Time Estimation. <i>Profiles in Operations Research</i> , <b>2011</b> , 565-591	1	12
83	Batch Production Scheduling for Semiconductor Back-End Operations. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2011</b> , 24, 249-260	2.6	11
82	A survey of scheduling with parallel batch (p-batch) processing. <i>European Journal of Operational Research</i> , <b>2021</b> ,	5.6	11
81	Policies for allocating product lots to customer orders in semiconductor manufacturing supply chains. <i>Production Planning and Control</i> , <b>2011</b> , 22, 69-80	4.3	10
80	Evaluation of heuristics for a class-constrained lot-to-order matching problem in semiconductor manufacturing. <i>International Journal of Production Research</i> , <b>2008</b> , 46, 3143-3166	7.8	10
79	Control of multiproduct bulk server diffusion/oxidation processes. Part 2: multiple servers. <i>IIE Transactions</i> , <b>2000</b> , 32, 167-176		10
78	Dynamic co-ordinated scheduling in the supply chain considering flexible routes. <i>International Journal of Production Research</i> , <b>2016</b> , 54, 322-335	7.8	9
77	Single machine scheduling with interfering job sets. <i>Computers and Operations Research</i> , <b>2014</b> , 45, 97-107	4.6	9
76	Analysis of ambulance diversion policies for a large-size hospital <b>2009</b> ,		9
75	Comparing designs for computer simulation experiments <b>2008</b> ,		9
74	<b>2007</b> ,		9
73	Using quantiles in ranking and selection procedures <b>2007</b> ,		9
72	A Decision-Making Framework for Project Portfolio Planning at Intel Corporation. <i>Interfaces</i> , <b>2015</b> , 45, 391-408	0.7	8
71	Machine qualification management for a semiconductor back-end facility <b>2010</b> ,		8
70	Availability-adjusted X-factor. <i>International Journal of Production Research</i> , <b>2005</b> , 43, 3933-3953	7.8	8
69	Evaluation of nondominated solution sets for k-objective optimization problems: An exact method and approximations. <i>European Journal of Operational Research</i> , <b>2006</b> , 173, 565-582	5.6	8
68	Stochastic optimization of product-machine qualification in a semiconductor back-end facility. <i>IIE Transactions</i> , <b>2015</b> , 47, 739-750		7
67	Bi-criteria parallel batch machine scheduling to minimize total weighted tardiness and electricity cost. <i>Journal of Business Economics</i> , <b>2020</b> , 90, 1345-1381	2.3	7



66	Optimizing service times for a public health emergency using a genetic algorithm: Locating dispensing sites and allocating medical staff. <i>IIE Transactions on Healthcare Systems Engineering</i> , <b>2014</b> , 4, 178-190		7
65	<b>2009</b> ,		7
64	Run-to-run control charts with contrasts. <i>Quality and Reliability Engineering International</i> , <b>1998</b> , 14, 261-270		7
63	Experiments in reactive constraint logic programming. <i>The Journal of Logic Programming</i> , <b>1998</b> , 37, 185-212		7
62	Modeling and analysis of semiconductor manufacturing in a shrinking world: Challenges and successes <b>2008</b> ,		7
61	Partition experimental designs for sequential processes: Part I First-order models. <i>Quality and Reliability Engineering International</i> , <b>2001</b> , 17, 429-438	2.6	7
60	A genetic algorithm approach to manage ion implantation processes in wafer fabrication. <i>International Journal of Manufacturing Technology and Management</i> , <b>2000</b> , 1, 156	0.4	7
59	Extending the boundaries between scheduling and dispatching: hedging and rescheduling techniques. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 3294-3307	7.8	6
58	Design for customer responsiveness: Decision support system for push/pull supply chains with multiple demand fulfillment points. <i>Decision Support Systems</i> , <b>2019</b> , 123, 113071	5.6	6
57	Editorial e-Manufacturing in the Semiconductor Industry. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2007</b> , 4, 485-487	4.9	6
56	Evaluating solution sets of a posteriori solution techniques for bi-criteria combinatorial optimization problems. <i>Journal of Scheduling</i> , <b>2005</b> , 8, 75-96	1.6	6
55	A New Technique to Compare Algorithms for Bi-criteria Combinatorial Optimization Problems. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>2001</b> , 113-123	0.4	6
54	Collaborative Geodesign for Alternative-Fuel Station Location using Collaboration Software. <i>Transportation Research Record</i> , <b>2018</b> , 2672, 98-108	1.7	6
53	Scheduling and Simulation <b>2006</b> , 109-133		6
52	. <i>Journal of Systems Engineering and Electronics</i> , <b>2016</b> , 27, 422-433	1.3	5
51	Bi-criteria analysis of ambulance diversion policies <b>2010</b> ,		5
50	Integer programming-based real-time scheduler in semiconductor manufacturing <b>2009</b> ,		5
49	A control chart based approach to monitoring supply network dynamics using Kalman filtering. <i>International Journal of Production Research</i> , <b>2012</b> , 50, 3137-3151	7.8	5



48	Determining operating criterion of batch processing operations for wafer fabrication. <i>Journal of Manufacturing Systems</i> , <b>2002</b> , 21, 363-379	9.1	5
47	Comparison of Multiple Objective Genetic Algorithms for Parallel Machine Scheduling Problems. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 472-485	0.9	5
46	Processing time generation schemes for parallel machine scheduling problems with various correlation structures. <i>Journal of Scheduling</i> , <b>2014</b> , 17, 569-586	1.6	4
45	Capacity Planning and Allocation for Web-Based Applications. <i>Decision Sciences</i> , <b>2014</b> , 45, 535-567	3.7	4
44	<b>2012</b> ,		4
43	<b>2008</b> ,		4
42	Balanced Machine Workload Dispatching Scheme for Wafer Fab <b>2007</b> ,		4
41	Partition experimental designs for sequential processes: Part II Second-order models. <i>Quality and Reliability Engineering International</i> , <b>2002</b> , 18, 373-382	2.6	4
40	Encyclopedia of Production and Manufacturing Management <b>2000</b> , 687-697		4
39	Cross-Training with Imperfect Training Schemes. <i>Production and Operations Management</i> , <b>2016</b> , 25, 1216-1231	3.1	4
38	Decision Assessment Algorithms for Location and Capacity Optimization under Resource Shortages. <i>Decision Sciences</i> , <b>2021</b> , 52, 142-181	3.7	4
37	Locating Alternative Fuel Stations for Maximizing Coverage and Ensuring Sufficient Spacing: a Case Study of CNG Truck Fueling. <i>Process Integration and Optimization for Sustainability</i> , <b>2019</b> , 3, 455-470	2	3
36	Decomposition heuristic for a two-machine flow shop with batch processing <b>2014</b> ,		3
35	Bootstrapping-based fixed-width confidence intervals for ranking and selection <b>2010</b> ,		3
34	An introduction to a new journal for Healthcare Systems Engineering. <i>IIE Transactions on Healthcare Systems Engineering</i> , <b>2011</b> , 1, 1-5		3
33	Combinatorics on partial word correlations. <i>Journal of Combinatorial Theory - Series A</i> , <b>2010</b> , 117, 607-624		3
32	A comparison study of the logic of four wafer fabrication simulators <b>1996</b> ,		3
31	Determining an appropriate number of FOUPs in semiconductor wafer fabrication facilities <b>2008</b> ,		3

30	Framework for execution level capacity allocation decisions for Assembly - Test facilities using integrated optimization - simulation models <b>2008</b> ,		3
29	An Adaptive Distributed Simulation Framework for a Server Fulfillment Supply Chain <b>2006</b> ,		3
28	Decision Paradigms in the Semiconductor Supply Chain: A Survey and Analysis <b>2007</b> ,		3
27	THE IMPACTS OF VARIABILITY ON SCHEDULING APPROACHES FOR A PRINTED WIRING BOARD ASSEMBLY OPERATION. <i>Journal of Electronics Manufacturing</i> , <b>2002</b> , 11, 19-31		3
26	A Sequential Stopping Rule for a Steady-State Simulation Based on Time-Series Forecasting. <i>Simulation</i> , <b>2002</b> , 78, 643-654	1.2	3
25	A group-technology-coded literature review of semiconductor manufacturing operations publications: the MASMLAB bibliography web site. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>1999</b> , 12, 259-263	2.6	3
24	Modeling and Analysis of Semiconductor Manufacturing. <i>Simulation Foundations, Methods and Applications</i> , <b>2017</b> , 301-313	0.6	3
23	ELECTRICITY POWER COST-AWARE SCHEDULING OF JOBS ON PARALLEL BATCH PROCESSING MACHINES <b>2018</b> ,		3
22	Modelling and analysis of semiconductor supply chains. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 4521-4523	7.8	3
21	Multiple data sources fusion for enterprise quality improvement by a multilevel latent response model. <i>IIE Transactions</i> , <b>2014</b> , 46, 512-525		2
20	Semiconductor Manufacturing Process Description. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> , 11-28	0.3	2
19	Production Planning Approaches. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> , 207-246.	0.3	2
18	A partition experimental design for a sequential process with a large number of variables. <i>Quality and Reliability Engineering International</i> , <b>2007</b> , 23, 555-564	2.6	2
17	Indirect Cycle-Time Quantile Estimation for Non-Fifo Dispatching Policies <b>2006</b> ,		2
16	A note on determining an optimal target by considering the dependence of holding costs and the quality characteristics. <i>Journal of Applied Statistics</i> , <b>2005</b> , 32, 813-822	1	2
15	Lot-to-order matching for a semiconductor assembly and test facility. <i>IIE Transactions</i> , <b>1999</b> , 31, 1103-1111		2
14	Dispatching Approaches. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> , 65-104	0.3	1
13	A hybrid approach for modelling and analysis of an integrated machine. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2004</b> , 218, 1577-1590	2.4	1

12	Queuing approximations for capacity planning under common setup rules. <i>IIE Transactions</i> , <b>2020</b> , 1-19	3.3	1
11	Simulation: The past 10 years and the next 10 years <b>2016</b> ,		1
10	A generalized decision support framework for large-scale project portfolio decisions. <i>Decision Sciences</i> ,	3.7	1
9	Improving the process efficiency of catheterization laboratories using simulation. <i>Health Systems</i> , <b>2017</b> , 6, 41-55	2.3	0
8	Simplification of DES models of M/M/1 tandem queues by approximating WIP-dependent inter-departure times. <i>Simulation</i> , <b>2014</b> , 90, 1188-1196	1.2	0
7	Modeling and Analysis Tools. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> , 29-64	0.3	0
6	State of the Practice and Future Needs for Production Planning and Control Systems. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> , 247-266	0.3	
5	Deterministic Scheduling Approaches. <i>Operations Research/ Computer Science Interfaces Series</i> , <b>2013</b> , 105-175	0.3	
4	A three-phase simulation methodology for generating accurate and precise cycle time throughput curves. <i>International Journal of Simulation and Process Modelling</i> , <b>2005</b> , 1, 35	0.4	
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