Chung-Yee Lee

List of Publications by Year
in descending order

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131 papers	9,095 citations	36303 51 h-index	43889 91 g-index
131 all docs	131 docs citations	131 times ranked	3284 citing authors

#	Article	IF	Citations
1	A REVIEW OF PRODUCTION PLANNING AND SCHEDULING MODELS IN THE SEMICONDUCTOR INDUSTRY PART I: SYSTEM CHARACTERISTICS, PERFORMANCE EVALUATION AND PRODUCTION PLANNING. IIE Transactions, 1992, 24, 47-60.	2.1	478
2	Stock Replenishment and Shipment Scheduling for Vendor-Managed Inventory Systems. Management Science, 2000, 46, 217-232.	4.1	460
3	Efficient Algorithms for Scheduling Semiconductor Burn-In Operations. Operations Research, 1992, 40, 764-775.	1.9	434
4	Machine scheduling with an availability constraint. Journal of Global Optimization, 1996, 9, 395-416.	1.8	357
5	A REVIEW OF PRODUCTION PLANNING AND SCHEDULING MODELS IN THE SEMICONDUCTOR INDUSTRY PART II: SHOP-FLOOR CONTROL. IIE Transactions, 1994, 26, 44-55.	2.1	303
6	Machine scheduling with transportation considerations. Journal of Scheduling, 2001, 4, 3-24.	1.9	277
7	Minimizing the Makespan in the 3-Machine Assembly-Type Flowshop Scheduling Problem. Management Science, 1993, 39, 616-625.	4.1	256
8	Ocean container transport in global supply chains: Overview and research opportunities. Transportation Research Part B: Methodological, 2017, 95, 442-474.	5.9	217
9	Machine scheduling with job delivery coordination. European Journal of Operational Research, 2004, 158, 470-487.	5.7	215
10	Scheduling jobs and maintenance activities on parallel machines. Naval Research Logistics, 2000, 47, 145-165.	2.2	187
11	Current trends in deterministic scheduling. Annals of Operations Research, 1997, 70, 1-41.	4.1	183
12	Single machine flow-time scheduling with scheduled maintenance. Acta Informatica, 1992, 29, 375-382.	0.5	178
13	Minimizing the makespan in the two-machine flowshop scheduling problem with an availability constraint. Operations Research Letters, 1997, 20, 129-139.	0.7	166
14	Minimizing makespan in hybrid flowshops. Operations Research Letters, 1994, 16, 149-158.	0.7	163
15	Parallel machines scheduling with nonsimultaneous machine available time. Discrete Applied Mathematics, 1991, 30, 53-61.	0.9	159
16	Scheduling maintenance and semiresumable jobs on a single machine. Naval Research Logistics, 1999, 46, 845-863.	2.2	153
17	The Critical Role of Ocean Container Transport in Global Supply Chain Performance. Production and Operations Management, 2013, 22, 253-268.	3.8	153
18	Procurement management using option contracts: random spot price and the portfolio effect. IIE Transactions, 2010, 42, 793-811.	2.1	142

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19	Two-machine flowshop scheduling with availability constraints. European Journal of Operational Research, 1999, 114, 420-429.	5.7	126
20	Minimizing the makespan in a two-machine cross-docking flow shop problem. European Journal of Operational Research, 2009, 193, 59-72.	5.7	125
21	Minimizing total completion time on a batch processing machine with job families. Operations Research Letters, 1993, 13, 61-65.	0.7	122
22	Machine scheduling with deliveries to multiple customer locations. European Journal of Operational Research, 2005, 164, 39-51.	5.7	121
23	Scheduling Arrivals to a Stochastic Service Delivery System Using Copositive Cones. Operations Research, 2013, 61, 711-726.	1.9	118
24	A Dynamic Model for Inventory Lot Sizing and Outbound Shipment Scheduling at a Third-Party Warehouse. Operations Research, 2003, 51, 735-747.	1.9	101
25	Scheduling with multiple-job-on-one-processor pattern. IIE Transactions, 1998, 30, 433-445.	2.1	97
26	Single-machine scheduling with maintenance and repair rate-modifying activities. European Journal of Operational Research, 2001, 135, 493-513.	5.7	97
27	Scheduling with agreeable release times and due dates on a batch processing machine. European Journal of Operational Research, 1997, 96, 564-569.	5.7	93
28	A Dynamic Lot-Sizing Model with Demand Time Windows. Management Science, 2001, 47, 1384-1395.	4.1	93
29	On scheduling to minimize earliness-tardiness and batch delivery costs with a common due date. European Journal of Operational Research, 1993, 70, 272-288.	5.7	89
30	The impact of slow ocean steaming on delivery reliability and fuel consumption. Transportation Research, Part E: Logistics and Transportation Review, 2015, 76, 176-190.	7.4	88
31	The Economic Order Quantity for Freight Discount Costs. IIE Transactions, 1986, 18, 318-320.	2.1	85
32	Capacitated two-parallel machines scheduling to minimize sum of job completion times. Discrete Applied Mathematics, 1993, 41, 211-222.	0.9	84
33	An empirical investigation of the seaportâ€™s economic impact: Evidence from major ports in China. Transportation Research, Part E: Logistics and Transportation Review, 2014, 69, 41-53.	7.4	78
34	General multiprocessor task scheduling. Naval Research Logistics, 1999, 46, 57-74.	2.2	75
35	A comparison of outbound dispatch policies for integrated inventory and transportation decisions. European Journal of Operational Research, 2006, 171, 1094-1112.	5.7	75
36	A Solution to the Multiple Set-Up Problem with Dynamic.Demand. IIE Transactions, 1989, 21, 266-270.	2.1	71

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37	Logistics scheduling with batching and transportation. European Journal of Operational Research, 2008, 189, 871-876.	5.7	71
38	Multiprocessor scheduling: combining LPT and MULTIFIT. Discrete Applied Mathematics, 1988, 20, 233-242.	0.9	69
39	Scheduling semiconductor test operations: Minimizing maximum lateness and number of tardy jobs on a single machine. Naval Research Logistics, 1992, 39, 369-388.	2.2	68
40	Pricing and competition in a transportation market with empty equipment repositioning. Transportation Research Part B: Methodological, 2009, 43, 677-691.	5.9	65
41	Warehouse space capacity and delivery time window considerations in dynamic lot-sizing for a simple supply chain. International Journal of Production Economics, 2004, 92, 169-180.	8.9	63
42	Parallel machine scheduling with a common due window. European Journal of Operational Research, 2002, 136, 512-527.	5.7	61
43	Minimizing weighted number of tardy jobs and weighted earliness-tardiness penalties about a common due date. Computers and Operations Research, 1991, 18, 379-389.	4.0	60
44	Workforce Planning in Mixed Model Assembly Systems. Operations Research, 1997, 45, 553-567.	1.9	59
45	Production and transport logistics scheduling with two transport mode choices. Naval Research Logistics, 2005, 52, 796-809.	2.2	59
46	Bi-objective optimization for the container terminal integrated planning. Transportation Research Part B: Methodological, 2016, 93, 720-749.	5.9	59
47	Optimal outbound dispatch policies: Modeling inventory and cargo capacity. Naval Research Logistics, 2002, 49, 531-556.	2.2	58
48	Disruption Recovery for a Vessel in Liner Shipping. Transportation Science, 2015, 49, 900-921.	4.4	58
49	A tailored branch-and-price approach for a joint tramp ship routing and bunkering problem. Transportation Research Part B: Methodological, 2015, 72, 1-19.	5.9	57
50	A new dynamic programming algorithm for the single item capacitated dynamic lot size model. Journal of Global Optimization, 1994, 4, 285-300.	1.8	55
51	A stochastic model for joint inventory and outbound shipment decisions. IIE Transactions, 2008, 40, 324-340.	2.1	54
52	The Buyer-Vendor Coordination Problem: Modeling Inbound and Outbound Cargo Capacity and Costs. IIE Transactions, 2003, 35, 987-1002.	2.1	53
53	Supply chain contracting with competing suppliers under asymmetric information. IIE Transactions, 2013, 45, 25-52.	2.1	53
54	Combined Pricing and Portfolio Option Procurement. Production and Operations Management, 2012, 21, 361-377.	3.8	52

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55	The dynamic lot size model with quantity discount. Naval Research Logistics, 1990, 37, 707-713.	2.2	50
56	COMMON DUEâ€WINDOW SCHEDULING. Production and Operations Management, 1993, 2, 262-275.	3.8	50
57	Complexity of Single Machine Hierarchical Scheduling: A Survey. , 1993, , 269-298.		48
58	TECHNICAL NOTEâ€"Optimal Control of an Assembly System with Multiple Stages and Multiple Demand Classes. Operations Research, 2011, 59, 522-529.	1.9	48
59	Joint service capacity planning and dynamic container routing in shipping network with uncertain demands. Transportation Research Part B: Methodological, 2015, 78, 404-421.	5.9	47
60	Pricing and competition in a shipping market with waste shipments and empty container repositioning. Transportation Research Part B: Methodological, 2016, 85, 32-55.	5.9	47
61	Two-machine shop scheduling with an uncapacitated interstage transporter. IIE Transactions, 2005, 37, 725-736.	2.1	46
62	A mathematical formulation and efficient heuristics for the dynamic container relocation problem. Naval Research Logistics, 2014, 61, 101-118.	2.2	45
63	Fractional Price Matching Policies Arising from the Ocean Freight Service Industry. Production and Operations Management, 2015, 24, 1118-1134.	3.8	41
64	A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes. IIE Transactions, 2005, 37, 453-467.	2.1	40
65	Rolling Planning Horizons: Error Bounds for the Dynamic Lot Size Model. Mathematics of Operations Research, 1986, 11, 423-432.	1.3	39
66	Title is missing!. Annals of Operations Research, 2001, 102, 287-307.	4.1	39
67	Inventory and Production Decisions for an Assemble-to-Order System with Uncertain Demand and Limited Assembly Capacity. Operations Research, 2006, 54, 1137-1150.	1.9	39
68	Joint planning of berth and yard allocation in transshipment terminals using multi-cluster stacking strategy. Transportation Research, Part E: Logistics and Transportation Review, 2015, 83, 34-50.	7.4	39
69	Optimal Algorithm for the General Quay Crane Double-Cycling Problem. Transportation Science, 2015, 49, 957-967.	4.4	38
70	GUIDELINES FOR REPORTING COMPUTATIONAL RESULTS INIIE TRANSACTIONS. IIE Transactions, 1993, 25, 121-123.	2.1	37
71	Procurement risk management using capacitated option contracts with fixed ordering costs. IIE Transactions, 2013, 45, 845-864.	2.1	37
72	Liner Shipping Service Planning Under Sulfur Emission Regulations. Transportation Science, 2021, 55, 491-509.	4.4	36

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73	Liner container assignment model with transit-time-sensitive container shipment demand and its applications. Transportation Research Part B: Methodological, 2016, 90, 135-155.	5.9	35
74	GLOBAL JOB SHOP SCHEDULING WITH A GENETIC ALGORITHM. Production and Operations Management, 1995, 4, 30-45.	3.8	34
75	Detention decisions for empty containers in the hinterland transportation system. Transportation Research Part B: Methodological, 2018, 110, 188-208.	5.9	34
76	Parallel machine scheduling with multiple unloading servers. Journal of Scheduling, 2010, 13, 213-226.	1.9	33
77	Inbound container storage price competition between the container terminal and a remote container yard. Flexible Services and Manufacturing Journal, 2012, 24, 320-348.	3.4	33
78	A new dynamic programming algorithm for the parallel machines total weighted completion time problem. Operations Research Letters, 1992, 11, 73-75.	0.7	32
79	Optimal decisions for assemble-to-order systems with uncertain assembly capacity. International Journal of Production Economics, 2010, 123, 155-165.	8.9	32
80	Service type assignment and container routing with transit time constraints and empty container repositioning for liner shipping service networks. Transportation Research Part B: Methodological, 2016, 88, 46-71.	5.9	32
81	Solving a Class Scheduling Problem with a Genetic Algorithm. ORSA Journal on Computing, 1995, 7, 443-452.	1.7	31
82	Two Machine Scheduling under Disruptions with Transportation Considerations. Journal of Scheduling, 2006, 9, 35-48.	1.9	31
83	Quantity discount pricing for rail transport in a dry port system. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 563-580.	7.4	31
84	A note on â€œparallel machine scheduling with non-simultaneous machine available timeâ€• Discrete Applied Mathematics, 2000, 100, 133-135.	0.9	28
85	Inventory replenishment model: lot sizing versus just-in-time delivery. Operations Research Letters, 2004, 32, 581-590.	0.7	28
86	Workforce planning in synchronous production systems. European Journal of Operational Research, 2002, 136, 551-572.	5.7	27
87	Parallel-machine scheduling under potential disruption. Optimization Letters, 2007, 2, 27-37.	1.6	27
88	The lossâ€•averse newsvendor problem with supply options. Naval Research Logistics, 2015, 62, 46-59.	2.2	27
89	Single machine scheduling under potential disruption. Operations Research Letters, 2007, 35, 541-548.	0.7	26
90	Outbound shipment mode considerations for integrated inventory and delivery lot-sizing decisions. Operations Research Letters, 2007, 35, 813-822.	0.7	26

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91	A Two-Echelon Inventory Optimization Model with Demand Time Window Considerations. Journal of Global Optimization, 2004, 30, 347-366.	1.8	25
92	Implementation of a decision support system for scheduling semiconductor test operations. Journal of Electronics Manufacturing, 1993, 03, 121-131.	0.4	23
93	Minimizing total completion time in two-processor task systems with prespecified processor allocations. Naval Research Logistics, 1998, 45, 231-242.	2.2	23
94	Scheduling one and two-processor tasks on two parallel processors. IIE Transactions, 1999, 31, 445-455.	2.1	23
95	Dynamic lot-sizing problem with demand time windows and container-based transportation cost. Optimization Letters, 2007, 2, 39-51.	1.6	23
96	Performance Comparison of Some Classes of Flexible Flow Shops and Job Shops. Flexible Services and Manufacturing Journal, 1998, 10, 379-405.	0.4	22
97	The single-machine scheduling problem to minimize total tardiness subject to minimum number of tardy jobs. IIE Transactions, 1995, 27, 250-256.	2.1	21
98	A dynamic programming algorithm for dynamic lot size models with piecewise linear costs. Journal of Global Optimization, 1994, 4, 397-413.	1.8	20
99	Appointment sequencing: Why the Smallest-Variance-First rule may not be optimal. European Journal of Operational Research, 2016, 255, 809-821.	5.7	20
100	Carrier Portfolio Management for Shipping Seasonal Products. Operations Research, 2017, 65, 1250-1266.	1.9	19
101	Noteâ€"Optimal Component Acquisition for a Single-Product, Single-Demand Assemble-to-Order Problem with Expediting. Manufacturing and Service Operations Management, 2009, 11, 229-236.	3.7	17
102	Shipping to Heterogeneous Customers with Competing Carriers. Manufacturing and Service Operations Management, 2020, 22, 850-867.	3.7	17
103	Compensation plan for competing salespersons under asymmetric information. European Journal of Operational Research, 2013, 227, 570-580.	5.7	14
104	A Classification of Static Scheduling Problems. , 1993, , 203-253.		14
105	General multiprocessor task scheduling. Naval Research Logistics, 1999, 46, 57-74.	2.2	13
106	Optimization of processing and delivery decisions involving third-party machines. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, e2269-e2278.	1.1	12
107	A carrierâ€"shipper contract under asymmetric information in the ocean transport industry. Annals of Operations Research, 2019, 273, 377-408.	4.1	12
108	Coordinating Pricing and Empty Container Repositioning in Two-Depot Shipping Systems. Transportation Science, 2020, 54, 1697-1713.	4.4	12

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109	Contracting in ocean transportation with empty container repositioning under asymmetric information. Transportation Research, Part E: Logistics and Transportation Review, 2021, 145, 102173.	7.4	12
110	Error Bound of a Heuristic for the Common Due Date Scheduling Problem. ORSA Journal on Computing, 1993, 5, 420-425.	1.7	11
111	Inventory control problem with freight cost and stochastic demand. Operations Research Letters, 2009, 37, 443-446.	0.7	11
112	The regional port competition with different terminal competition intensity. Flexible Services and Manufacturing Journal, 2017, 29, 659-688.	3.4	11
113	Multiprocessor task scheduling to minimize the maximum tardiness and the total completion time. IEEE Transactions on Automation Science and Engineering, 2000, 16, 824-830.	2.3	10
114	The value of specific cargo information for substitutable modes of inland transport. Transportation Research, Part E: Logistics and Transportation Review, 2016, 85, 23-39.	7.4	10
115	Inbound container storage pricing schemes. IIE Transactions, 2015, 47, 800-818.	2.1	9
116	Scheduling with multiple-job-on-one-processor pattern. IIE Transactions, 1998, 30, 433-445.	2.1	8
117	Analysis of algorithms for two-stage flowshops with multi-processor task flexibility. Naval Research Logistics, 2004, 51, 44-59.	2.2	8
118	Modified critical fractile approach for a class of partial postponement problems. International Journal of Production Economics, 2012, 136, 185-193.	8.9	8
119	Economic Lot Scheduling for Two-Product Problem. IIE Transactions, 1989, 21, 162-169.	2.1	7
120	Minimizing the error bound for the dynamic lot size model. Operations Research Letters, 1995, 17, 57-68.	0.7	7
121	Error bound for the dynamic lot size model allowing speculative motive. IIE Transactions, 1995, 27, 683-688.	2.1	7
122	On the fixed interval due-date scheduling problem. Discrete Applied Mathematics, 1996, 68, 101-117.	0.9	7
123	Logistics scheduling: Analysis of two-stage problems. Journal of Systems Science and Systems Engineering, 2003, 12, 385-407.	1.6	7
124	A novel floating price contract for the ocean freight industry. IISE Transactions, 2017, 49, 194-208.	2.4	7
125	Optimal Global Liner Service Procurement by Utilizing Liner Service Schedules. Production and Operations Management, 2021, 30, 703-714.	3.8	6
126	An empirical model for estimating berth and sailing times of mega container ships. Maritime Policy and Management, 2018, 45, 1078-1093.	3.8	5

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127	Optimal Control of an Assembly System with Multiple Stages and Multiple Demand Classes. SSRN Electronic Journal, 0, , .	0.4	3
128	Optimal transportation policies for production/inventory systems with an unreliable and a reliable carrier. Journal of Global Optimization, 2009, 44, 251-271.	1.8	2
129	Scheduling one and two-processor tasks on two parallel processors. IIE Transactions, 1999, 31, 445-455.	2.1	1
130	Scheduling jobs and maintenance activities on parallel machines. Naval Research Logistics, 2000, 47, 145.	2.2	1
131	Transporting Commodities: Hedging Against Price, Demand and Freight Rate Risk with Options. SSRN Electronic Journal, 0, , .	0.4	1