

# Kap Hwan Kim

## List of Publications by Year in descending order

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118  
papers

5,759  
citations

87723

38  
h-index

79541

73  
g-index

124  
all docs

124  
docs citations

124  
times ranked

1608  
citing authors

#	ARTICLE	IF	CITATIONS
1	A crane scheduling method for port container terminals. <i>European Journal of Operational Research</i> , 2004, 156, 752-768.	3.5	411
2	Berth scheduling by simulated annealing. <i>Transportation Research Part B: Methodological</i> , 2003, 37, 541-560.	2.8	320
3	A scheduling method for Berth and Quay cranes. <i>OR Spectrum</i> , 2003, 25, 1-23.	2.1	288
4	Deriving decision rules to locate export containers in container yards. <i>European Journal of Operational Research</i> , 2000, 124, 89-101.	3.5	285
5	A heuristic rule for relocating blocks. <i>Computers and Operations Research</i> , 2006, 33, 940-954.	2.4	255
6	Chapter 8 Intermodal Transportation. <i>Handbooks in Operations Research and Management Science</i> , 2007, , 467-537.	0.6	204
7	An Optimal Routing Algorithm for a Transfer Crane in Port Container Terminals. <i>Transportation Science</i> , 1999, 33, 17-33.	2.6	190
8	Evaluation of the number of rehandles in container yards. <i>Computers and Industrial Engineering</i> , 1997, 32, 701-711.	3.4	174
9	Segregating space allocation models for container inventories in port container terminals. <i>International Journal of Production Economics</i> , 1999, 59, 415-423.	5.1	174
10	A note on a dynamic space-allocation method for outbound containers. <i>European Journal of Operational Research</i> , 2003, 148, 92-101.	3.5	171
11	A Look-Ahead Dispatching Method for Automated Guided Vehicles in Automated Port Container Terminals. <i>Transportation Science</i> , 2004, 38, 224-234.	2.6	149
12	Re-marshaling export containers in port container terminals. <i>Computers and Industrial Engineering</i> , 1998, 35, 655-658.	3.4	131
13	The optimal sizing of the storage space and handling facilities for import containers. <i>Transportation Research Part B: Methodological</i> , 2002, 36, 821-835.	2.8	120
14	Container terminals and terminal operations. <i>OR Spectrum</i> , 2006, 28, 437-445.	2.1	118
15	Berth scheduling for container terminals by using a sub-gradient optimization technique. <i>Journal of the Operational Research Society</i> , 2002, 53, 1054-1062.	2.1	114
16	Deriving stacking strategies for export containers with uncertain weight information. <i>Journal of Intelligent Manufacturing</i> , 2006, 17, 399-410.	4.4	107
17	Routing straddle carriers for the loading operation of containers using a beam search algorithm. <i>Computers and Industrial Engineering</i> , 1999, 36, 109-136.	3.4	98
18	A dispatching method for automated lifting vehicles in automated port container terminals. <i>Computers and Industrial Engineering</i> , 2009, 56, 1002-1020.	3.4	92

#	ARTICLE	IF	CITATIONS
19	Sequencing delivery and receiving operations for yard cranes in port container terminals. <i>International Journal of Production Economics</i> , 2003, 84, 283-292.	5.1	91
20	A routing algorithm for a single straddle carrier to load export containers onto a containership. <i>International Journal of Production Economics</i> , 1999, 59, 425-433.	5.1	90
21	Negotiating truck arrival times among trucking companies and a container terminal. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 75, 132-144.	3.7	86
22	An optimal layout of container yards. <i>OR Spectrum</i> , 2008, 30, 675-695.	2.1	84
23	Maximizing the number of dual-cycle operations of quay cranes in container terminals. <i>Computers and Industrial Engineering</i> , 2009, 56, 979-992.	3.4	84
24	Optimizing the block size in container yards. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2010, 46, 120-135.	3.7	83
25	Load scheduling for multiple quay cranes in port container terminals. <i>Journal of Intelligent Manufacturing</i> , 2006, 17, 479-492.	4.4	81
26	An incremental discount pricing schedule with multiple customers and single price break. <i>European Journal of Operational Research</i> , 1988, 35, 71-79.	3.5	78
27	Heuristic algorithms for routing yard-side equipment for minimizing loading times in container terminals. <i>Naval Research Logistics</i> , 2003, 50, 498-514.	1.4	72
28	A beam search algorithm for the load sequencing of outbound containers in port container terminals. <i>OR Spectrum</i> , 2004, 26, 93-116.	2.1	72
29	Collaborative truck scheduling and appointments for trucking companies and container terminals. <i>Transportation Research Part B: Methodological</i> , 2016, 86, 37-50.	2.8	70
30	A grouped storage method for minimizing relocations in block stacking systems. <i>Journal of Intelligent Manufacturing</i> , 2006, 17, 453-463.	4.4	64
31	A routing algorithm for a single transfer crane to load export containers onto a containership. <i>Computers and Industrial Engineering</i> , 1997, 33, 673-676.	3.4	62
32	The optimal determination of the space requirement and the number of transfer cranes for import containers. <i>Computers and Industrial Engineering</i> , 1998, 35, 427-430.	3.4	60
33	Optimizing the yard layout in container terminals. <i>OR Spectrum</i> , 2013, 35, 363-398.	2.1	56
34	Optimal price schedules for storage of inbound containers. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 892-905.	2.8	54
35	Development of mathematical models for the container road transportation in Korean trucking industries. <i>Computers and Industrial Engineering</i> , 2007, 53, 252-262.	3.4	48
36	Estimating the space requirement for outbound container inventories in port container terminals. <i>International Journal of Production Economics</i> , 2011, 133, 293-301.	5.1	48

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37	A negotiation based scheduling for items with flexible process plans. Computers and Industrial Engineering, 1997, 33, 785-788.	3.4	39
38	Comparison and evaluation of various cycle-time models for yard cranes in container terminals. International Journal of Production Economics, 2010, 126, 350-360.	5.1	39
39	Economical design of material flow paths. International Journal of Production Research, 1993, 31, 1387-1407.	4.9	38
40	Deadlock prevention for automated guided vehicles in automated container terminals. OR Spectrum, 2006, 28, 659-679.	2.1	38
41	Routing automated guided vehicles in container terminals through the Q-learning technique. Logistics Research, 2011, 3, 19-27.	1.6	38
42	Conservative allocation models for outbound containers in container terminals. European Journal of Operational Research, 2014, 238, 155-165.	3.5	33
43	Simultaneous Improvement of Supplier's Profit and Buyer's Cost by Utilizing Quantity Discount. Journal of the Operational Research Society, 1989, 40, 255-265.	2.1	32
44	The optimization of mixed block stacking requiring relocations. International Journal of Production Economics, 2013, 143, 256-262.	5.1	30
45	An architectural design of control software for automated container terminals. Computers and Industrial Engineering, 2004, 46, 741-754.	3.4	28
46	Operator-scheduling using a constraint satisfaction technique in port container terminals. Computers and Industrial Engineering, 2004, 46, 373-381.	3.4	28
47	A dispatching method for automated guided vehicles by using a bidding concept. OR Spectrum, 2003, 25, 25-44.	2.1	27
48	A quay crane scheduling algorithm considering the workload of yard cranes in a container yard. Journal of Intelligent Manufacturing, 2011, 22, 459-470.	4.4	26
49	Optimal space for storage yard considering yard inventory forecasts and terminal performance. Transportation Research, Part E: Logistics and Transportation Review, 2015, 82, 101-128.	3.7	26
50	Planning for Intra-block Remarshalling in a Container Terminal. Lecture Notes in Computer Science, 2006, , 1211-1220.	1.0	26
51	Quantity discount pricing for container transportation services by shipping lines. Computers and Industrial Engineering, 2012, 63, 313-322.	3.4	25
52	Workload-based yard-planning system in container terminals. Journal of Intelligent Manufacturing, 2012, 23, 2193-2206.	4.4	23
53	Container Terminal Operation: Current Trends and Future Challenges. Profiles in Operations Research, 2015, , 43-73.	0.3	23
54	Positioning of automated guided vehicles in a loop layout to minimize the mean vehicle response time. International Journal of Production Economics, 1995, 39, 201-214.	5.1	22

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55	A construction algorithm for designing guide paths of automated guided vehicle systems. International Journal of Production Research, 2002, 40, 3981-3994.	4.9	22
56	Estimating the cycle time of three-stage material handling systems. Annals of Operations Research, 2006, 144, 181-200.	2.6	22
57	Storage space sharing among container handling companies. Transportation Research, Part E: Logistics and Transportation Review, 2019, 127, 111-131.	3.7	21
58	A distributed scheduling and shop floor control method. Computers and Industrial Engineering, 1996, 31, 583-586.	3.4	19
59	Dynamic space allocation for temporary storage. International Journal of Systems Science, 2003, 34, 11-20.	3.7	19
60	Advanced decision and intelligence technologies for manufacturing and logistics. Journal of Intelligent Manufacturing, 2012, 23, 2133-2135.	4.4	19
61	Scheduling appointments for container truck arrivals considering their effects on congestion. Flexible Services and Manufacturing Journal, 2019, 31, 730-762.	1.9	18
62	Comparative evaluation of resource cycle strategies on operating and environmental impact in container terminals. Transportation Research, Part D: Transport and Environment, 2015, 41, 118-135.	3.2	17
63	Comparing handling and space costs for various types of stacking methods. Computers and Industrial Engineering, 2010, 58, 501-508.	3.4	16
64	Scheduling operations of a rail crane and container deliveries between rail and port terminals. Engineering Optimization, 2011, 43, 597-613.	1.5	16
65	A Comparative Analysis: Various Storage Rules in Container Yards and Their Performances. Industrial Engineering and Management Systems, 2012, 11, 276-287.	0.3	15
66	Optimization of Container Load Sequencing by a Hybrid of Ant Colony Optimization and Tabu Search. Lecture Notes in Computer Science, 2005, , 1259-1268.	1.0	14
67	Heuristic Algorithms for Constructing Transporter Pools in Container Terminals. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 517-526.	4.7	14
68	Estimating mean response time and positioning idle vehicles of automated guided vehicle systems in loop layout. Computers and Industrial Engineering, 1997, 33, 669-672.	3.4	13
69	Designing guide-path networks for automated guided vehicle system by using the Q-learning technique. Computers and Industrial Engineering, 2003, 44, 1-17.	3.4	13
70	Pricing storage of outbound containers in container terminals. Flexible Services and Manufacturing Journal, 2016, 28, 644-668.	1.9	13
71	New Conceptual Handling Systems in Container Terminals. Industrial Engineering and Management Systems, 2012, 11, 299-309.	0.3	13
72	Space planning considering congestion in container terminal yards. Transportation Research Part B: Methodological, 2022, 158, 52-77.	2.8	13

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73	The impacts of acceleration/deceleration on travel time models for carousel systems. Computers and Industrial Engineering, 2004, 46, 253-265.	3.4	12
74	Models and Methods for Operations in Port Container Terminals. , 2005, , 213-243.		11
75	A Simulation Study on a Workload-based Operation Planning Method in Container Terminals. Industrial Engineering and Management Systems, 2012, 11, 103-113.	0.3	11
76	Flow Path Design for Automated Transport Systems in Container Terminals Considering Traffic Congestion. Industrial Engineering and Management Systems, 2016, 15, 19-31.	0.3	11
77	Optimal concession contract between a port authority and container-terminal operators by revenue-sharing schemes with quantity discount. Maritime Policy and Management, 2021, 48, 1010-1031.	1.9	10
78	A distributed dispatching method for the brokerage of truckload freights. International Journal of Production Economics, 2005, 98, 150-161.	5.1	9
79	Inbound container storage pricing schemes. IIE Transactions, 2015, 47, 800-818.	2.1	9
80	Comparing Cycle Times of Advanced Quay Cranes in Container Terminals. Industrial Engineering and Management Systems, 2013, 12, 359-367.	0.3	9
81	Determining load patterns for the delivery of assembly components under JIT systems. International Journal of Production Economics, 2002, 77, 25-38.	5.1	8
82	Collaborative Inter-Terminal Transportation of Containers. Industrial Engineering and Management Systems, 2018, 17, 407-416.	0.3	8
83	A beam search algorithm for the load sequencing of outbound containers in port container terminals. , 2005, , 183-206.		7
84	Minimizing Empty Trips of Yard Trucks in Container Terminals by Dual Cycle Operations. Industrial Engineering and Management Systems, 2010, 9, 28-40.	0.3	7
85	Supplier's discount policy with a single price break point. Engineering Costs and Production Economics, 1986, 10, 279-286.	0.2	6
86	A Simulation Study for Designing a Rail Terminal in a Container Port. , 2006, , .		6
87	Optimal parameters in concession contracts between container terminal operators and investors. International Journal of Logistics Research and Applications, 2020, 23, 602-625.	5.6	6
88	Space reservation and remarkshalling operations for outbound containers in marine terminals. Maritime Economics and Logistics, 2021, 23, 154-178.	2.0	6
89	A Quay Crane Scheduling Method Considering Interference of Yard Cranes in Container Terminals. Lecture Notes in Computer Science, 2006, , 461-471.	1.0	6
90	Distributed framework for yard planning in container terminals. Journal of Zhejiang University: Science A, 2010, 11, 992-997.	1.3	5

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91	An optimal variable pricing model for container line revenue management systems. <i>Maritime Economics and Logistics</i> , 2019, 21, 173-191.	2.0	5
92	A game theoretic model and a coevolutionary solution procedure to determine the terminal handling charges for container terminals. <i>Computers and Industrial Engineering</i> , 2020, 144, 106466.	3.4	5
93	Maritime container logistics and onshore transportation systems (Part 1). <i>Flexible Services and Manufacturing Journal</i> , 2011, 23, 361-363.	1.9	4
94	Hierarchical remarshaling operations in block stacking storage systems considering duration of stay. <i>Computers and Industrial Engineering</i> , 2015, 89, 43-52.	3.4	4
95	A Survey on Sharing Economy and Logistics Resources Sharing. <i>Journal of the Korean Society of Supply Chain Management</i> , 2017, 17, 89-115.	0.0	4
96	Expressions for Expectations and Variances of Cycle Times for Yard Cranes by Considering Dependencies among Time Elements. <i>Industrial Engineering and Management Systems</i> , 2011, 10, 255-263.	0.3	4
97	Architectural Design of Terminal Operating System for a Container Terminal Based on a New Concept. <i>Industrial Engineering and Management Systems</i> , 2016, 15, 278-288.	0.3	4
98	A heuristic lot sizing algorithm for a GT cell. <i>Computers and Industrial Engineering</i> , 1994, 26, 1-9.	3.4	3
99	IT-based planning and control of seaport container terminals and freight transportation systems. <i>OR Spectrum</i> , 2010, 32, 423-426.	2.1	3
100	Logistics and maritime systems. <i>Flexible Services and Manufacturing Journal</i> , 2015, 27, 135-138.	1.9	3
101	Maritime and container logistics. <i>Flexible Services and Manufacturing Journal</i> , 2017, 29, 1-3.	1.9	3
102	Anisotropic Q-learning and waiting estimation based real-time routing for automated guided vehicles at container terminals. <i>Journal of Heuristics</i> , 2023, 29, 207-228.	1.1	3
103	Dispatching Vehicles Considering Multi-lifts of Quay Cranes. <i>Industrial Engineering and Management Systems</i> , 2010, 9, 178-194.	0.3	3
104	An Auction-Based Dispatching Method for an Electronic Brokerage of Truckload Vehicles. <i>Industrial Engineering and Management Systems</i> , 2015, 14, 32-43.	0.3	3
105	Dynamic Routing in Automated Guided Vehicle Systems.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2002, 45, 323-332.	0.3	2
106	Scheduling trucks in local depots for door-to-door delivery services. <i>Journal of the Operational Research Society</i> , 2007, 58, 1195-1202.	2.1	2
107	Utilizing information sources to reduce relocation of inbound containers. <i>Maritime Economics and Logistics</i> , 2021, 23, 726-749.	2.0	2
108	Sequencing Container Moves for Intra-Block Remarshaling in a Container Terminal Yard. <i>Journal of Navigation and Port Research</i> , 2005, 29, 83-90.	0.1	2

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109	Maritime container logistics and onshore transportation systems (Part 2). Flexible Services and Manufacturing Journal, 2012, 24, 211-213.	1.9	1
110	Collaborative Carry-Out Process for Empty Containers Between Truck Companies and a Port Terminal. Lecture Notes in Logistics, 2016, , 473-482.	0.6	1
111	Editorial of special issue on ocean transportation logistics: making global supply chain effective. Flexible Services and Manufacturing Journal, 2017, 29, 309-311.	1.9	1
112	Analytics and models for maritime logistics and systems. Flexible Services and Manufacturing Journal, 2019, 31, 563-566.	1.9	1
113	Pricing the Storage of Inbound Containers with a Discrete Probability Distribution of Retrieval Times. Industrial Engineering and Management Systems, 2010, 9, 165-177.	0.3	1
114	Scheduling ship operations in automated container terminals. , 2010, , .		0
115	Maritime container logistics and onshore transportation systems (part 3). Flexible Services and Manufacturing Journal, 2013, 25, 463-465.	1.9	0
116	Operational Issues in Modern Container Terminals. , 2008, , 51-69.		0
117	Routing and Scheduling Transporters in a Rail-Guided Container Transport System. Lecture Notes in Logistics, 2017, , 19-27.	0.6	0
118	A Framework for Integrating Planning Activities in Container Terminals. , 2008, , 295-303.		0