Kap Hwan Kim

List of Publications by Year
in descending order

118 papers	5,759 citations	87888 38 h-index	79698 73 g-index
124 all docs	124 docs citations	124 times ranked	1608 citing authors

#	Article	IF	Citations
1	Anisotropic Q-learning and waiting estimation based real-time routing for automated guided vehicles at container terminals. Journal of Heuristics, 2023, 29, 207-228.	1.4	3
2	Space planning considering congestion in container terminal yards. Transportation Research Part B: Methodological, 2022, 158, 52-77.	5.9	13
3	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.	3.8	10
4	Space reservation and remarshalling operations for outbound containers in marine terminals. Maritime Economics and Logistics, 2021, 23, 154-178.	4.0	6
5	Utilizing information sources to reduce relocation of inbound containers. Maritime Economics and Logistics, 2021, 23, 726-749.	4.0	2
6	A game theoretic model and a coevolutionary solution procedure to determine the terminal handling charges for container terminals. Computers and Industrial Engineering, 2020, 144, 106466.	6.3	5
7	Optimal parameters in concession contracts between container terminal operators and investors. International Journal of Logistics Research and Applications, 2020, 23, 602-625.	8.8	6
8	Analytics and models for maritime logistics and systems. Flexible Services and Manufacturing Journal, 2019, 31, 563-566.	3.4	1
9	Storage space sharing among container handling companies. Transportation Research, Part E: Logistics and Transportation Review, 2019, 127, 111-131.	7.4	21
10	Scheduling appointments for container truck arrivals considering their effects on congestion. Flexible Services and Manufacturing Journal, 2019, 31, 730-762.	3.4	18
11	An optimal variable pricing model for container line revenue management systems. Maritime Economics and Logistics, 2019, 21, 173-191.	4.0	5
12	Collaborative Inter-Terminal Transportation of Containers. Industrial Engineering and Management Systems, 2018, 17, 407-416.	0.4	8
13	Maritime and container logistics. Flexible Services and Manufacturing Journal, 2017, 29, 1-3.	3.4	3
14	Editorial of special issue on ocean transportation logistics: making global supply chain effective. Flexible Services and Manufacturing Journal, 2017, 29, 309-311.	3.4	1
15	A Survey on Sharing Economy and Logistics Resources Sharing. Journal of the Korean Society of Supply Chain Management, 2017, 17, 89-115.	0.1	4
16	Routing and Scheduling Transporters in a Rail-Guided Container Transport System. Lecture Notes in Logistics, 2017, , 19-27.	0.8	0
17	Pricing storage of outbound containers in container terminals. Flexible Services and Manufacturing Journal, 2016, 28, 644-668.	3.4	13
18	Collaborative truck scheduling and appointments for trucking companies and container terminals. Transportation Research Part B: Methodological, 2016, 86, 37-50.	5.9	70

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19	Collaborative Carry-Out Process for Empty Containers Between Truck Companies and a Port Terminal. Lecture Notes in Logistics, 2016, , 473-482.	0.8	1
20	Flow Path Design for Automated Transport Systems in Container Terminals Considering Traffic Congestion. Industrial Engineering and Management Systems, 2016, 15, 19-31.	0.4	11
21	Architectural Design of Terminal Operating System for a Container Terminal Based on a New Concept. Industrial Engineering and Management Systems, 2016, 15, 278-288.	0.4	4
22	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.	6.8	17
23	Container Terminal Operation: Current Trends and Future Challenges. Profiles in Operations Research, 2015, , 43-73.	0.4	23
24	Negotiating truck arrival times among trucking companies and a container terminal. Transportation Research, Part E: Logistics and Transportation Review, 2015, 75, 132-144.	7.4	86
25	Inbound container storage pricing schemes. IIE Transactions, 2015, 47, 800-818.	2.1	9
26	Hierarchical remarshaling operations in block stacking storage systems considering duration of stay. Computers and Industrial Engineering, 2015, 89, 43-52.	6.3	4
27	Logistics and maritime systems. Flexible Services and Manufacturing Journal, 2015, 27, 135-138.	3.4	3
28	Optimal space for storage yard considering yard inventory forecasts and terminal performance. Transportation Research, Part E: Logistics and Transportation Review, 2015, 82, 101-128.	7.4	26
29	An Auction-Based Dispatching Method for an Electronic Brokerage of Truckload Vehicles. Industrial Engineering and Management Systems, 2015, 14, 32-43.	0.4	3
30	Conservative allocation models for outbound containers in container terminals. European Journal of Operational Research, 2014, 238, 155-165.	5.7	33
31	Optimizing the yard layout in container terminals. OR Spectrum, 2013, 35, 363-398.	3.4	56
32	The optimization of mixed block stacking requiring relocations. International Journal of Production Economics, 2013, 143, 256-262.	8.9	30
33	Maritime container logistics and onshore transportation systems (part 3). Flexible Services and Manufacturing Journal, 2013, 25, 463-465.	3.4	0
34	Heuristic Algorithms for Constructing Transporter Pools in Container Terminals. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 517-526.	8.0	14
35	Comparing Cycle Times of Advanced Quay Cranes in Container Terminals. Industrial Engineering and Management Systems, 2013, 12, 359-367.	0.4	9
36	Advanced decision and intelligence technologies for manufacturing and logistics. Journal of Intelligent Manufacturing, 2012, 23, 2133-2135.	7.3	19

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37	Workload-based yard-planning system in container terminals. Journal of Intelligent Manufacturing, 2012, 23, 2193-2206.	7.3	23
38	Maritime container logistics and onshore transportation systems (Part 2). Flexible Services and Manufacturing Journal, 2012, 24, 211-213.	3.4	1
39	Quantity discount pricing for container transportation services by shipping lines. Computers and Industrial Engineering, 2012, 63, 313-322.	6.3	25
40	A Simulation Study on a Workload-based Operation Planning Method in Container Terminals. Industrial Engineering and Management Systems, 2012, 11, 103-113.	0.4	11
41	A Comparative Analysis: Various Storage Rules in Container Yards and Their Performances. Industrial Engineering and Management Systems, 2012, 11, 276-287.	0.4	15
42	New Conceptual Handling Systems in Container Terminals. Industrial Engineering and Management Systems, 2012, 11, 299-309.	0.4	13
43	Scheduling operations of a rail crane and container deliveries between rail and port terminals. Engineering Optimization, 2011, 43, 597-613.	2.6	16
44	Maritime container logistics and onshore transportation systems (Part 1). Flexible Services and Manufacturing Journal, 2011, 23, 361-363.	3.4	4
45	A quay crane scheduling algorithm considering the workload of yard cranes in a container yard. Journal of Intelligent Manufacturing, 2011, 22, 459-470.	7.3	26
46	Routing automated guided vehicles in container terminals through the Q-learning technique. Logistics Research, 2011, 3, 19-27.	1.6	38
47	Estimating the space requirement for outbound container inventories in port container terminals. International Journal of Production Economics, 2011, 133, 293-301.	8.9	48
48	Expressions for Expectations and Variances of Cycle Times for Yard Cranes by Considering Dependencies among Time Elements. Industrial Engineering and Management Systems, 2011, 10, 255-263.	0.4	4
49	Distributed framework for yard planning in container terminals. Journal of Zhejiang University: Science A, 2010, 11, 992-997.	2.4	5
50	IT-based planning and control of seaport container terminals and freight transportation systems. OR Spectrum, 2010, 32, 423-426.	3.4	3
51	Comparing handling and space costs for various types of stacking methods. Computers and Industrial Engineering, 2010, 58, 501-508.	6.3	16
52	Comparison and evaluation of various cycle-time models for yard cranes in container terminals. International Journal of Production Economics, 2010, 126, 350-360.	8.9	39
53	Optimizing the block size in container yards. Transportation Research, Part E: Logistics and Transportation Review, 2010, 46, 120-135.	7.4	83
54	Scheduling ship operations in automated container terminals. , 2010, , .		0

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55	Minimizing Empty Trips of Yard Trucks in Container Terminals by Dual Cycle Operations. Industrial Engineering and Management Systems, 2010, 9, 28-40.	0.4	7
56	Dispatching Vehicles Considering Multi-lifts of Quay Cranes. Industrial Engineering and Management Systems, 2010, 9, 178-194.	0.4	3
57	Pricing the Storage of Inbound Containers with a Discrete Probability Distribution of Retrieval Times. Industrial Engineering and Management Systems, 2010, 9, 165-177.	0.4	1
58	A dispatching method for automated lifting vehicles in automated port container terminals. Computers and Industrial Engineering, 2009, 56, 1002-1020.	6.3	92
59	Maximizing the number of dual-cycle operations of quay cranes in container terminals. Computers and Industrial Engineering, 2009, 56, 979-992.	6.3	84
60	An optimal layout of container yards. OR Spectrum, 2008, 30, 675-695.	3.4	84
61	Operational Issues in Modern Container Terminals. , 2008, , 51-69.		0
62	A Framework for Integrating Planning Activities in Container Terminals. , 2008, , 295-303.		0
63	Scheduling trucks in local depots for door-to-door delivery services. Journal of the Operational Research Society, 2007, 58, 1195-1202.	3.4	2
64	Optimal price schedules for storage of inbound containers. Transportation Research Part B: Methodological, 2007, 41, 892-905.	5.9	54
65	Chapter 8 Intermodal Transportation. Handbooks in Operations Research and Management Science, 2007, , 467-537.	0.6	204
66	Development of mathematical models for the container road transportation in Korean trucking industries. Computers and Industrial Engineering, 2007, 53, 252-262.	6.3	48
67	A heuristic rule for relocating blocks. Computers and Operations Research, 2006, 33, 940-954.	4.0	255
68	Deriving stacking strategies for export containers with uncertain weight information. Journal of Intelligent Manufacturing, 2006, 17, 399-410.	7.3	107
69	A grouped storage method for minimizing relocations in block stacking systems. Journal of Intelligent Manufacturing, 2006, 17, 453-463.	7.3	64
70	Load scheduling for multiple quay cranes in port container terminals. Journal of Intelligent Manufacturing, 2006, 17, 479-492.	7.3	81
71	Estimating the cycle time of three-stage material handling systems. Annals of Operations Research, 2006, 144, 181-200.	4.1	22
72	Deadlock prevention for automated guided vehicles in automated container terminals. OR Spectrum, 2006, 28, 659-679.	3.4	38

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73	Container terminals and terminal operations. OR Spectrum, 2006, 28, 437-445.	3.4	118
74	A Simulation Study for Designing a Rail Terminal in a Container Port. , 2006, , .		6
75	Planning for Intra-block Remarshalling in a Container Terminal. Lecture Notes in Computer Science, 2006, , 1211-1220.	1.3	26
76	A Quay Crane Scheduling Method Considering Interference of Yard Cranes in Container Terminals. Lecture Notes in Computer Science, 2006, , 461-471.	1.3	6
77	A beam search algorithm for the load sequencing of outbound containers in port container terminals. , 2005, , 183-206.		7
78	A distributed dispatching method for the brokerage of truckload freights. International Journal of Production Economics, 2005, 98, 150-161.	8.9	9
79	Optimization of Container Load Sequencing by a Hybrid of Ant Colony Optimization and Tabu Search. Lecture Notes in Computer Science, 2005, , 1259-1268.	1.3	14
80	Models and Methods for Operations in Port Container Terminals. , 2005, , 213-243.		11
81	Sequencing Container Moves for Intra-Block Remarshalling in a Container Terminal Yard. Journal of Navigation and Port Research, 2005, 29, 83-90.	0.1	2
82	A Look-Ahead Dispatching Method for Automated Guided Vehicles in Automated Port Container Terminals. Transportation Science, 2004, 38, 224-234.	4.4	149
83	The impacts of acceleration/deceleration on travel time models for carousel systems. Computers and Industrial Engineering, 2004, 46, 253-265.	6.3	12
84	An architectural design of control software for automated container terminals. Computers and Industrial Engineering, 2004, 46, 741-754.	6.3	28
85	A beam search algorithm for the load sequencing of outbound containers in port container terminals. OR Spectrum, 2004, 26, 93-116.	3.4	72
86	A crane scheduling method for port container terminals. European Journal of Operational Research, 2004, 156, 752-768.	5.7	411
87	Operator-scheduling using a constraint satisfaction technique in port container terminals. Computers and Industrial Engineering, 2004, 46, 373-381.	6.3	28
88	A scheduling method for Berth and Quay cranes. OR Spectrum, 2003, 25, 1-23.	3.4	288
89	A dispatching method for automated guided vehicles by using a bidding concept. OR Spectrum, 2003, 25, 25-44.	3.4	27
90	Heuristic algorithms for routing yard-side equipment for minimizing loading times in container terminals. Naval Research Logistics, 2003, 50, 498-514.	2.2	72

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91	Designing guide-path networks for automated guided vehicle system by using the Q-learning technique. Computers and Industrial Engineering, 2003, 44, 1-17.	6.3	13
92	A note on a dynamic space-allocation method for outbound containers. European Journal of Operational Research, 2003, 148, 92-101.	5.7	171
93	Sequencing delivery and receiving operations for yard cranes in port container terminals. International Journal of Production Economics, 2003, 84, 283-292.	8.9	91
94	Dynamic space allocation for temporary storage. International Journal of Systems Science, 2003, 34, 11-20.	5.5	19
95	Berth scheduling by simulated annealing. Transportation Research Part B: Methodological, 2003, 37, 541-560.	5.9	320
96	Berth scheduling for container terminals by using a sub-gradient optimization technique. Journal of the Operational Research Society, 2002, 53, 1054-1062.	3.4	114
97	Dynamic Routing in Automated Guided Vehicle Systems.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2002, 45, 323-332.	0.3	2
98	A construction algorithm for designing guide paths of automated guided vehicle systems. International Journal of Production Research, 2002, 40, 3981-3994.	7.5	22
99	The optimal sizing of the storage space and handling facilities for import containers. Transportation Research Part B: Methodological, 2002, 36, 821-835.	5.9	120
100	Determining load patterns for the delivery of assembly components under JIT systems. International Journal of Production Economics, 2002, 77, 25-38.	8.9	8
101	Deriving decision rules to locate export containers in container yards. European Journal of Operational Research, 2000, 124, 89-101.	5.7	285
102	An Optimal Routing Algorithm for a Transfer Crane in Port Container Terminals. Transportation Science, 1999, 33, 17-33.	4.4	190
103	Segregating space allocation models for container inventories in port container terminals. International Journal of Production Economics, 1999, 59, 415-423.	8.9	174
104	A routing algorithm for a single straddle carrier to load export containers onto a containership. International Journal of Production Economics, 1999, 59, 425-433.	8.9	90
105	Routing straddle carriers for the loading operation of containers using a beam search algorithm. Computers and Industrial Engineering, 1999, 36, 109-136.	6.3	98
106	The optimal determination of the space requirement and the number of transfer cranes for import containers. Computers and Industrial Engineering, 1998, 35, 427-430.	6.3	60
107	Re-marshaling export containers in port container terminals. Computers and Industrial Engineering, 1998, 35, 655-658.	6.3	131
108	Evaluation of the number of rehandles in container yards. Computers and Industrial Engineering, 1997, 32, 701-711.	6.3	174

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109	Estimating mean response time and positioning idle vehicles of automated guided vehicle systems in loop layout. Computers and Industrial Engineering, 1997, 33, 669-672.	6.3	13
110	A routing algorithm for a single transfer crane to load export containers onto a containership. Computers and Industrial Engineering, 1997, 33, 673-676.	6.3	62
111	A negotiation based scheduling for items with flexible process plans. Computers and Industrial Engineering, 1997, 33, 785-788.	6.3	39
112	A distributed scheduling and shop floor control method. Computers and Industrial Engineering, 1996, 31, 583-586.	6.3	19
113	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.	8.9	22
114	A heuristic lot sizing algorithm for a GT cell. Computers and Industrial Engineering, 1994, 26, 1-9.	6.3	3
115	Economical design of material flow paths. International Journal of Production Research, 1993, 31, 1387-1407.	7.5	38
116	Simultaneous Improvement of Supplier's Profit and Buyer's Cost by Utilizing Quantity Discount. Journal of the Operational Research Society, 1989, 40, 255-265.	3.4	32
117	An incremental discount pricing schedule with multiple customers and single price break. European Journal of Operational Research, 1988, 35, 71-79.	5.7	78
118	Supplier's discount policy with a single price break point. Engineering Costs and Production Economics, 1986, 10, 279-286.	0.2	6