Randolph Hall

List of Publications by Year
in descending order

81 papers	2,981 citations	218677 26 h-index	168389 53 g-index
86 all docs	86 docs citations	86 times ranked	1834 citing authors

#	Article	IF	Citations
1	Distribution Strategies that Minimize Transportation and Inventory Costs. Operations Research, 1985, 33, 469-490.	1.9	349
2	The Fastest Path through a Network with Random Time-Dependent Travel Times. Transportation Science, 1986, 20, 182-188.	4.4	318
3	DISTANCE APPROXIMATIONS FOR ROUTING MANUAL PICKERS IN A WAREHOUSE. IIE Transactions, 1993, 25, 76-87.	2.1	225
4	Fleet Sizing and Empty Equipment Redistribution for Center-Terminal Transportation Networks. Management Science, 1997, 43, 145-157.	4.1	127
5	Bus dispatching at timed transfer transit stations using bus tracking technology. Transportation Research Part C: Emerging Technologies, 1999, 7, 187-208.	7.6	119
6	Travel outcome and performance: The effect of uncertainty on accessibility. Transportation Research Part B: Methodological, 1983, 17, 275-290.	5.9	111
7	Vehicle sorting for platoon formation: Impacts on highway entry and throughput. Transportation Research Part C: Emerging Technologies, 2005, 13, 405-420.	7.6	102
8	Reducing Logistics Costs at General Motors. Interfaces, 1987, 17, 26-47.	1.5	96
9	A link-based variational inequality model for dynamic departure time/route choice. Transportation Research Part B: Methodological, 1996, 30, 31-46.	5.9	91
10	Territory Planning and Vehicle Dispatching with Driver Learning. Transportation Science, 2007, 41, 74-89.	4.4	86
11	Performance and Design of Mobility Allowance Shuttle Transit Services: Bounds on the Maximum Longitudinal Velocity. Transportation Science, 2006, 40, 351-363.	4.4	81
12	Real-time control of buses for schedule coordination at a terminal. Transportation Research, Part A: Policy and Practice, 2003, 37, 145-164.	4.2	69
13	Non-recurrent congestion: How big is the problem? Are traveler information systems the solution?. Transportation Research Part C: Emerging Technologies, 1993, 1, 89-103.	7.6	66
14	Route choice and advanced traveler information systems on a capacitated and dynamic network. Transportation Research Part C: Emerging Technologies, 1996, 4, 289-306.	7.6	63
15	Configuration of an overnight package air network. Transportation Research Part A: Policy and Practice, 1989, 23, 139-149.	0.2	61
16	Determining vehicle dispatch frequency when shipping frequency differs among suppliers. Transportation Research Part B: Methodological, 1985, 19, 421-431.	5.9	51
17	Optimal holding times at transfer stations. Computers and Industrial Engineering, 2001, 40, 379-397.	6.3	48
18	Direct versus terminal freight routing on a network with concave costs. Transportation Research Part B: Methodological, 1987, 21, 287-298.	5.9	46

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19	Railroad classification yard throughput: The case of multistage triangular sorting. Transportation Research Part A: Policy and Practice, 1983, 17, 95-106.	0.2	43
20	Dependence between Shipment Size and Mode in Freight Transportation. Transportation Science, 1985, 19, 436-444.	4.4	42
21	On the integration of production and distribution: Economic order and production quantity implications. Transportation Research Part B: Methodological, 1996, 30, 387-403.	5.9	41
22	Network design for a grid hybrid transit service. Transportation Research, Part A: Policy and Practice, 2004, 38, 511-530.	4.2	40
23	Vehicle Scheduling at a Transportation Terminal with Random Delay en Route. Transportation Science, 1985, 19, 308-320.	4.4	35
24	Transportation with common carrier and private fleets: system assignment and shipment frequency optimization. IIE Transactions, 1995, 27, 217-225.	2.1	34
25	Discrete models/continuous models. Omega, 1986, 14, 213-220.	5.9	30
26	Optimized lane assignment on an automated highway. Transportation Research Part C: Emerging Technologies, 1996, 4, 211-229.	7.6	29
27	Comparison of strategies for routing shipments through transportation terminals. Transportation Research Part A: Policy and Practice, 1987, 21, 421-429.	0.2	27
28	Effects of the Los Angeles transit strike on highway congestion. Transportation Research, Part A: Policy and Practice, 2006, 40, 903-917.	4.2	26
29	Longitudinal and Lateral Throughput on an Idealized Highway. Transportation Science, 1995, 29, 118-127.	4.4	25
30	Dynamic Ride-Sharing: Theory and Practice. Journal of Transportation Engineering, 1997, 123, 308-315.	0.9	25
31	Modeling Patient Flows Through the Health care System. Profiles in Operations Research, 2013, , 3-42.	0.4	25
32	Buses as a Traffic Probe: Demonstration Project. Transportation Research Record, 2000, 1731, 96-103.	1.9	24
33	On the estimation of the multinomial probit model. Transportation Research Part A: Policy and Practice, 1982, 16, 447-456.	0.2	22
34	Travel Distance Through Transportation Terminals on a Rectangular Grid. Journal of the Operational Research Society, 1984, 35, 1067-1078.	3.4	22
35	Discounted Robust Stochastic Games and an Application to Queueing Control. Operations Research, 2011, 59, 365-382.	1.9	22
36	Design and evaluation of an automated highway system with optimized lane assignment. Transportation Research Part C: Emerging Technologies, 1999, 7, 1-15.	7.6	21

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37	Price Changes and Order Quantities: Impacts of Discount Rate and Storage Costs. IIE Transactions, 1992, 24, 104-110.	2.1	18
38	Bed Assignment and Bed Management. Profiles in Operations Research, 2012, , 177-200.	0.4	18
39	Truck scheduling for ground to air connectivity. Journal of Air Transport Management, 2001, 7, 331-338.	4.5	17
40	Passenger waiting time and information acquisition using automatic vehicle location for verification. Transportation Planning and Technology, 2001, 24, 249-269.	2.0	17
41	What's So Scientific about MS/OR?. Interfaces, 1985, 15, 40-45.	1.5	14
42	Design for local area freight networks. Transportation Research Part B: Methodological, 1993, 27, 79-95.	5.9	14
43	Traveler route choice: Travel time implications of improved information and adaptive decisions. Transportation Research Part A: Policy and Practice, 1983, 17, 201-214.	0.2	13
44	Use of continuous approximations within discrete algorithms for routing vehicles: Experimental results and interpretation. Networks, 1994, 24, 43-56.	2.7	13
45	Entrance Capacity of an Automated Highway System. Transportation Science, 2001, 35, 19-36.	4.4	13
46	University Strategic Plans: What they Say about Innovation. Innovative Higher Education, 2021, 46, 261-284.	2.5	13
47	A Routing Model for Pickups and Deliveries: No Capacity Restrictions on the Secondary Items. Transportation Science, 1993, 27, 315-329.	4.4	12
48	Analytical Models for Vehicle/Gap Distribution on Automated Highway Systems. Transportation Science, 1997, 31, 18-33.	4.4	11
49	Bounds on effectiveness of driver hours-of-service regulations for freight motor carriers. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 298-312.	7.4	11
50	MEDIAN, MEAN, AND OPTIMUM AS FACILITY LOCATIONS*. Journal of Regional Science, 1988, 28, 65-81.	3.3	10
51	The architecture of transportation systems. Transportation Research Part C: Emerging Technologies, 1995, 3, 129-142.	7.6	10
52	Incident dispatching, clearance and delay. Transportation Research, Part A: Policy and Practice, 2002, 36, 1-16.	4.2	10
53	Vehicle packing. Transportation Research Part B: Methodological, 1989, 23, 103-121.	5.9	9
54	Stochastic freight flow patterns: implications for fleet optimization. Transportation Research, Part A: Policy and Practice, 1999, 33, 449-465.	4.2	9

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55	The design of real-time logistics information system for trucking industry. Computers and Operations Research, 2008, 35, 3439-3451.	4.0	9
56	Route choice on freight networks with concave costs and exclusive arcs. Transportation Research Part B: Methodological, 1989, 23, 177-194.	5.9	8
57	Route selection on freight networks with weight and volume constraints. Transportation Research Part B: Methodological, 1991, 25, 175-189.	5.9	8
58	Time effectiveness of new transportation technologies: the case of highway automation. Transportation Planning and Technology, 1995, 19, 1-17.	2.0	8
59	Graphical techniques for planning changes in production capacity. International Journal of Production Research, 1988, 26, 675-689.	7.5	7
60	Control of vehicle dispatching on a cyclic route serving trucking terminals. Transportation Research, Part A: Policy and Practice, 2002, 36, 257-276.	4.2	7
61	Decentralized inventory control policies for equipment management in a many-to-many network. Transportation Research, Part A: Policy and Practice, 2002, 36, 849-865.	4.2	7
62	Domicile selection and risk pooling for trucking networks. IIE Transactions, 2004, 36, 299-305.	2.1	6
63	Research opportunities in logistics. Transportation Research Part A: Policy and Practice, 1985, 19, 399-402.	0.2	5
64	CONCEPT OF AN ADVANCED TRAVELER INFORMATION SYSTEM TESTBED FOR THE BAY AREA: RESEARCH ISSUES. I V H S Journal, 1994, 2, 45-71.	0.2	5
65	Scheduling and facility design for transit railcar maintenance. Transportation Research, Part A: Policy and Practice, 2000, 34, 67-84.	4.2	5
66	Students as partners in university innovation and entrepreneurship. Education and Training, 2021, 63, 1114-1137.	3.1	5
67	Pickup and delivery systems for overnight carriers. Transportation Research, Part A: Policy and Practice, 1996, 30, 173-187.	4.2	4
68	Dispatching regular and express shipments between a supplier and manufacturer. Transportation Research Part B: Methodological, 1989, 23, 195-211.	5.9	3
69	Lane Capacity for an Automated Highway with Mixed Vehicle Classes. Journal of Intelligent Transportation Systems, 1999, 5, 217-240.	0.1	3
70	Graphical models for manpower planning. International Journal of Production Research, 1986, 24, 1267-1282.	7.5	2
71	Expected Performance of a Queueing System with Ancillary Activities. Journal of the Operational Research Society, 1989, 40, 741-750.	3.4	2
72	A dynamic empty equipment and crew allocation model for long-haul networks. Transportation Research, Part A: Policy and Practice, 2003, 37, 405-418.	4.2	2

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73	Facility location for an extraterrestrial production/distribution system. Naval Research Logistics, 2005, 52, 549-559.	2.2	2
74	A static empty equipment allocation model for long-haul networks with constrained crew routes. IIE Transactions, 2006, 38, 947-954.	2.1	2
75	Matching Healthcare Resources to Patient Needs. Profiles in Operations Research, 2012, , 1-9.	0.4	2
76	Effect of capacity concentration on highway corridor performance. Transportation Research, Part A: Policy and Practice, 1997, 31, 475-491.	4.2	1
77	Institutional Issues in Traveler Information Dissemination: Lessons Learned from the TravInfo Field Operational Test. Journal of Intelligent Transportation Systems, 1999, 5, 3-38.	0.1	1
78	Systematic Design for Roadway Interfaces with Application to Automated Highways. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2002, 7, 57-77.	4.2	1
79	Implications of reducing part use variability at an assembly plant. International Journal of Production Research, 1986, 24, 971-989.	7.5	0
80	EVALUATING THE EFFECTIVENESS OF INTEGRATED TRAFFIC CORRIDORS: CONCEPT AND PRACTICE. Journal of Intelligent Transportation Systems, 1996, 3, 49-67.	0.1	0
81	Information Technology and Better Health. , 2015, , 231-238.		0