

# Morton O Kelly

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

69  
papers

4,311  
citations

31  
h-index

65  
g-index

73  
ext. papers

4,834  
ext. citations

3.3  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
69	Examination of cost-efficient aircraft fleets using empirical operation data in US aviation markets. <i>Journal of Air Transport Management</i> , <b>2018</b> , 69, 224-234	5.1	7
68	The gateway hub location problem. <i>Journal of Air Transport Management</i> , <b>2018</b> , 73, 95-112	5.1	7
67	Formulations and decomposition methods for the incomplete hub location network design problem with and without hop-constraints. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 51, 274-301	4.5	21
66	Global Airline Networks: Comparative Nodal Access Measures. <i>Spatial Economic Analysis</i> , <b>2016</b> , 11, 253-275	2.5	14
65	Origin-Destination synthesis for aviation network data: examining hub operations in the domestic and international US markets. <i>Journal of Advanced Transportation</i> , <b>2016</b> , 50, 2288-2305	1.9	10
64	Measuring segregation using patterns of daily travel behavior: A social interaction based model of exposure. <i>Journal of Transport Geography</i> , <b>2015</b> , 49, 26-38	5.2	61
63	Hub Location Problems with Price Sensitive Demands. <i>Networks and Spatial Economics</i> , <b>2015</b> , 15, 917-945	5.9	25
62	Multiple Allocation Hub Location Model with Fixed Arc Costs. <i>Geographical Analysis</i> , <b>2015</b> , 47, 73-96	2.9	20
61	Spatial Interaction <b>2015</b> , 152-156		6
60	Synthesizing spatial interaction data for social science research: Validation and an investigation of spatial mismatch in Wichita, Kansas. <i>Computers, Environment and Urban Systems</i> , <b>2015</b> , 54, 204-218	5.9	18
59	Network Hub Structure and Resilience. <i>Networks and Spatial Economics</i> , <b>2015</b> , 15, 235-251	1.9	44
58	Air freight hubs in the FedEx system: Analysis of fuel use. <i>Journal of Air Transport Management</i> , <b>2014</b> , 36, 1-12	5.1	24
57	A two-stage hub location method for air transportation in Brazil. <i>International Transactions in Operational Research</i> , <b>2014</b> , 21, 275-289	2.9	9
56	Fuel burn rates of commercial passenger aircraft: variations by seat configuration and stage distance. <i>Journal of Transport Geography</i> , <b>2014</b> , 41, 137-147	5.2	34
55	Geographical Analysis: Its First 40 Years. <i>Geographical Analysis</i> , <b>2013</b> , 45, 1-27	2.9	12
54	Spatial interaction models from Irish commuting data: variations in trip length by occupation and gender. <i>Journal of Geographical Systems</i> , <b>2012</b> , 14, 357-387	1.8	28
53	Twenty-Five Years of Hub Location Research. <i>Transportation Science</i> , <b>2012</b> , 46, 153-169	4.4	318

52	Competitive Location Modeling with a Rank Proportional Allocation. <i>Environment and Planning B: Planning and Design</i> , <b>2011</b> , 38, 411-428		2
51	Examining Commuting Patterns: Results from a Journey-to-work Model Disaggregated by Gender and Occupation. <i>Urban Studies</i> , <b>2011</b> , 48, 891-909	3.2	51
50	Routing Traffic at Hub Facilities. <i>Networks and Spatial Economics</i> , <b>2010</b> , 10, 173-191	1.9	25
49	A Model of the Demand for Retail Facilities, Incorporating Multistop, Multipurpose Trips. <i>Geographical Analysis</i> , <b>2010</b> , 13, 134-148	2.9	104
48	Empirical Tests and Sensitivity Analysis of a Model of Residential and Facility Location. <i>Geographical Analysis</i> , <b>2010</b> , 13, 398-411	2.9	2
47	New Estimates of Gravitational Attraction by Linear Programming. <i>Geographical Analysis</i> , <b>2010</b> , 27, 271-285		26
46	Entropy-Based Spatial Interaction Models for Trip Distribution. ??????????????????????. <i>Geographical Analysis</i> , <b>2010</b> , 42, 472-487	2.9	18
45	Rectilinear minimax hub location problems. <i>Journal of Geographical Systems</i> , <b>2009</b> , 11, 227-241	1.8	9
44	EXPLORING LOCATIONAL EQUILIBRIA IN A COMPETITIVE BROADBAND ACCESS MARKET: THEORETICAL MODELING APPROACH. <i>Journal of Regional Science</i> , <b>2009</b> , 49, 953-975	1.8	2
43	Reliable p-Hub Location Problems in Telecommunication Networks. <i>Geographical Analysis</i> , <b>2009</b> , 41, 283-306		105
42	Are Long Commute Distances Inefficient and Disorderly?. <i>Environment and Planning A</i> , <b>2009</b> , 41, 2741-2759		22
41	Hub Network Location <b>2009</b> , 83-87		
40	Efficient spatial interaction: attainable reductions in metropolitan average trip length. <i>Journal of Transport Geography</i> , <b>2008</b> , 16, 313-323	5.2	25
39	Regional service coverage modeling. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 339-355	4.6	70
38	A bootstrap based space-time surveillance model with an application to crime occurrences. <i>Journal of Geographical Systems</i> , <b>2008</b> , 10, 141-165	1.8	16
37	Choice-Based Estimation of Alonso's Theory of Movement: Methods and Experiments. <i>Environment and Planning A</i> , <b>2008</b> , 40, 1076-1089	2.7	1
36	The Impact of Accessibility Change on the Geography of Crop Production: A Reexamination of the Illinois and Michigan Canal Using GIS. <i>Annals of the American Association of Geographers</i> , <b>2007</b> , 97, 49-63		4
35	Is non-work travel excessive?. <i>Journal of Transport Geography</i> , <b>2007</b> , 15, 411-416	5.2	32

34	Internet Reliability with Realistic Peering. <i>Environment and Planning B: Planning and Design</i> , <b>2006</b> , 33, 325-343		26
33	Identifying truck correspondence in multi-frame imagery. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2005</b> , 13, 1-17	8.4	6
32	A Combined Cluster and Interaction Model: The Hierarchical Assignment Problem. <i>Geographical Analysis</i> , <b>2005</b> , 37, 315-335	2.9	13
31	HUB NETWORKS AND SIMULATED SCHEDULE DELAY. <i>Papers in Regional Science</i> , <b>2005</b> , 59, 103-119	1.8	41
30	ON THE ALLOCATION OF A SUBSET OF NODES TO A MINI-HUB IN A PACKAGE DELIVERY NETWORK. <i>Papers in Regional Science</i> , <b>2005</b> , 77, 77-99	1.8	12
29	Disaggregate Journey-to-Work Data: Implications for Excess Commuting and Jobs-Housing Balance. <i>Environment and Planning A</i> , <b>2005</b> , 37, 2233-2252	2.7	82
28	Isard's contributions to spatial interaction modeling. <i>Journal of Geographical Systems</i> , <b>2004</b> , 6, 43-54	1.8	7
27	A lattice covering model for evaluating existing service facilities. <i>Papers in Regional Science</i> , <b>2004</b> , 83, 565-580	1.8	9
26	Aggregate accessibility to population at the county level: U.S. 1940-2000. <i>Journal of Geographical Systems</i> , <b>2003</b> , 5, 5-23	1.8	44
25	Recent advances in accessibility research: Representation, methodology and applications. <i>Journal of Geographical Systems</i> , <b>2003</b> , 5, 129-138	1.8	131
24	A geographic perspective on commercial Internet survivability. <i>Telematics and Informatics</i> , <b>2003</b> , 20, 51-69	1.8	56
23	Assessing representation error in point-based coverage modeling. <i>Journal of Geographical Systems</i> , <b>2002</b> , 4, 171-191	1.8	78
22	Using Points of Presence to Measure Accessibility to the Commercial Internet. <i>Professional Geographer</i> , <b>2002</b> , 54, 259-278	1.7	41
21	Backbone Topology, Access, and the Commercial Internet, 1997-2000. <i>Environment and Planning B: Planning and Design</i> , <b>2002</b> , 29, 533-552		41
20	Detecting outliers in irregularly distributed spatial data sets by locally adaptive and robust statistical analysis and GIS. <i>International Journal of Geographical Information Science</i> , <b>2001</b> , 15, 721-741	4.1	29
19	Embedding economies of scale concepts for hub network design. <i>Journal of Transport Geography</i> , <b>2001</b> , 9, 255-265	5.2	95
18	Retail market share and saturation. <i>Journal of Retailing and Consumer Services</i> , <b>2001</b> , 8, 37-45	8.5	8
17	GIS and educational and instructional challenges. <i>Journal of Geographical Systems</i> , <b>2000</b> , 2, 23-29	1.8	4

16	Hub-and-Spoke Networks in Air Transportation: An Analytical Review. <i>Journal of Regional Science</i> , <b>1999</b> , 39, 275-295	1.8	185
15	Network Topology and City Accessibility of the Commercial Internet. <i>Professional Geographer</i> , <b>1999</b> , 51, 327-339	1.7	72
14	A geographer's analysis of hub-and-spoke networks. <i>Journal of Transport Geography</i> , <b>1998</b> , 6, 171-186	5.2	147
13	Hub network design with single and multiple allocation: A computational study. <i>Location Science</i> , <b>1996</b> , 4, 125-138		112
12	Tight linear programming relaxations of uncapacitated p-hub median problems. <i>European Journal of Operational Research</i> , <b>1996</b> , 94, 582-593	5.6	289
11	Lower Bounds for the Hub Location Problem. <i>Management Science</i> , <b>1995</b> , 41, 713-721	3.9	56
10	The hub network design problem. <i>Journal of Transport Geography</i> , <b>1994</b> , 2, 31-40	5.2	229
9	Locating Emergency Warning Sirens. <i>Decision Sciences</i> , <b>1992</b> , 23, 221-234	3.7	86
8	A clustering approach to the planar hub location problem. <i>Annals of Operations Research</i> , <b>1992</b> , 40, 339-353	3.5	38
7	Hub facility location with fixed costs. <i>Papers in Regional Science</i> , <b>1992</b> , 71, 293-306	1.8	99
6	Solution strategies for the single facility minimax hub location problem. <i>Papers in Regional Science</i> , <b>1991</b> , 70, 367-380	1.8	43
5	A Synthesis of Some Market Area Delimitation Models. <i>Growth and Change</i> , <b>1989</b> , 20, 14-33	2.3	23
4	A quadratic integer program for the location of interacting hub facilities. <i>European Journal of Operational Research</i> , <b>1987</b> , 32, 393-404	5.6	670
3	The Location of Interacting Hub Facilities. <i>Transportation Science</i> , <b>1986</b> , 20, 92-106	4.4	367
2	Gateways1-5		
1	Hub and spoke networks1-5		