

Alan T Murray

List of Publications by Year in Descending Order

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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.

250
papers

7,892
citations

50
h-index

79
g-index

261
ext. papers

8,906
ext. citations

2.9
avg, IF

6.68
L-index

#	Paper	IF	Citations
250	Enhancing strategic defensive positioning and performance in the outfield.. <i>Journal of Geographical Systems</i> , 2022 , 1-18	1.8	1
249	COVID-19 and Minimizing Micro-Spatial Interactions. <i>ACM Transactions on Spatial Algorithms and Systems</i> , 2022 , 8, 1-17	1.8	0
248	A heuristic algorithm for balancing workloads in coverage modeling. <i>Computers, Environment and Urban Systems</i> , 2022 , 92, 101746	5.9	0
247	Service quality modeling to support optimizing facility location in a microscale environment. <i>Socio-Economic Planning Sciences</i> , 2022 , 101273	3.7	
246	Open-Source Approaches for Location Coverage Modelling. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2021 , 117-129	0.3	
245	Open-source approaches for location cover models: capabilities and efficiency. <i>Journal of Geographical Systems</i> , 2021 , 23, 361	1.8	3
244	Drone service response: Spatiotemporal heterogeneity implications. <i>Journal of Transport Geography</i> , 2021 , 93, 103074	5.2	2
243	Multi-objective trajectory optimization in planning for sequential activities across space and through time. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021 , 48, 945-963	2	1
242	Anticipating the Next Half-Century of Geographical Analysis. <i>Geographical Analysis</i> , 2021 , 53, 13-18	2.9	3
241	Coastal Vulnerability under Extreme Weather. <i>Applied Spatial Analysis and Policy</i> , 2021 , 14, 497-523	1.7	1
240	A Direction-Constrained Space-Time Prism-Based Approach for Quantifying Possible Multi-Ship Collision Risks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 131-141	6.1	7
239	Contemporary optimization application through geographic information systems. <i>Omega</i> , 2021 , 99, 102176	17.6	8
238	New Geography Location Analytics 2021 , 1341-1360		
237	Ship Path Optimization That Accounts for Geographical Traffic Characteristics to Increase Maritime Port Safety. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	1
236	Fire and Flood Vulnerability, and Implications for Evacuation. <i>Urban Book Series</i> , 2021 , 299-314	0.3	
235	Spatiotemporal heterogeneous allocation to support service area response. <i>Computers, Environment and Urban Systems</i> , 2020 , 82, 101503	5.9	2
234	Spatial Clustering, Detection and Analysis of 2020 , 367-373		1

233	Acoustical properties in emergency warning siren coverage planning. <i>Computers, Environment and Urban Systems</i> , 2020 , 81, 101477	5.9	4
232	Location Theory 2020 , 237-243		
231	Challenges in applying capacitated covering models. <i>Transactions in GIS</i> , 2020 , 24, 268-290	2.1	7
230	Single facility siting involving allocation decisions. <i>European Journal of Operational Research</i> , 2020 , 284, 834-846	5.6	7
229	New Geography Location Analytics 2020 , 1-20		
228	A Spatial Optimization Approach for Solving a Multi-facility Location Problem with Continuously Distributed Demand 2020 , 113-135		1
227	Exact and flexible solution approach to a critical chain project management problem. <i>Constraints</i> , 2020 , 25, 280-297	0.3	
226	Planning for classroom physical distancing to minimize the threat of COVID-19 disease spread. <i>PLoS ONE</i> , 2020 , 15, e0243345	3.7	4
225	Improving Urban and Peri-urban Health Outcomes Through Early Detection and Aid Planning. <i>Global Perspectives on Health Geography</i> , 2020 , 231-250	0.3	1
224	Sustainability and Resilience Through Micro-scale Decisions for Change. <i>New Frontiers in Regional Science: Asian Perspectives</i> , 2020 , 43-57	0.3	1
223	Obstacle-limited service coverage: A new geospatial approach. <i>Transactions in GIS</i> , 2020 , 24, 213-229	2.1	
222	Overview of Contributions in Geographical Analysis: Waldo Tobler. <i>Geographical Analysis</i> , 2020 , 52, 480-493		1
221	Introduction to the Special Issue Commemorating Professor Waldo Tobler. <i>Geographical Analysis</i> , 2020 , 52, 477-479	2.9	
220	Spatial Analysis and Modeling: Advances and Evolution. <i>Geographical Analysis</i> , 2020 , 53, 647	2.9	2
219	Spatial optimization for land acquisition problems: A review of models, solution methods, and GIS support. <i>Transactions in GIS</i> , 2019 , 23, 645	2.1	7
218	Evaluation and development of sustainable urban land use plans through spatial optimization. <i>Transactions in GIS</i> , 2019 , 23, 705	2.1	4
217	Commercial GIS location analytics: capabilities and performance. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 1106-1130	4.1	17
216	Spatial variability in retail gasoline markets. <i>Asia-Pacific Journal of Regional Science</i> , 2019 , 3, 581-603	1	1

215	Small-m method for detecting all longest paths. <i>Opsearch</i> , 2019 , 56, 824-839	1.6	1
214	Addressing risks and uncertainty in forest land use modeling. <i>Journal of Geographical Systems</i> , 2019 , 21, 319-338	1.8	2
213	Massive Automatic Identification System Sensor Trajectory Data-Based Multi-Layer Linkage Network Dynamics of Maritime Transport along 21st-Century Maritime Silk Road. <i>Sensors</i> , 2019 , 19,	3.8	8
212	Evolving Regional Analytics in a Rural World. <i>International Regional Science Review</i> , 2019 , 42, 374-399	1.8	3
211	Impact of oil price fluctuations on tanker maritime network structure and traffic flow changes. <i>Applied Energy</i> , 2019 , 237, 390-403	10.7	21
210	Location optimization of urban fire stations: Access and service coverage. <i>Computers, Environment and Urban Systems</i> , 2019 , 73, 184-190	5.9	41
209	A context-based geoprocessing framework for optimizing meetup location of multiple moving objects along road networks. <i>International Journal of Geographical Information Science</i> , 2018 , 32, 1368-1390	4.1	13
208	Spatial Uncertainty Challenges in Location Modeling with Dispersion Requirements. <i>Advances in Geographic Information Science</i> , 2018 , 283-300	0.3	1
207	An optimization approach for equitable bicycle share station siting. <i>Journal of Transport Geography</i> , 2018 , 69, 163-170	5.2	40
206	A range-restricted recharging station coverage model for drone delivery service planning. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 90, 198-212	8.4	89
205	Spatial Analytics for Enhancing Street Light Coverage of Public Spaces. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2018 , 14, 13-23	3.5	11
204	Spatial Optimization for Land-use Allocation: Accounting for Sustainability Concerns. <i>International Regional Science Review</i> , 2018 , 41, 579-600	1.8	31
203	Allocation using a heterogeneous space Voronoi diagram. <i>Journal of Geographical Systems</i> , 2018 , 20, 207-226	1.8	17
202	Grand Challenges. <i>Advances in Spatial Science</i> , 2018 , 255-266	0.4	
201	Continuous Space Coverage. <i>Advances in Spatial Science</i> , 2018 , 177-201	0.4	
200	Location Modeling and Covering Metrics. <i>Advances in Spatial Science</i> , 2018 , 1-22	0.4	2
199	Extended Forms of Coverage. <i>Advances in Spatial Science</i> , 2018 , 49-79	0.4	
198	Weighted Benefit, Variable Radius, and Gradual Coverage. <i>Advances in Spatial Science</i> , 2018 , 131-148	0.4	

197	Optimization of Project Schedules in the Critical-Chain Project-Management Max-Plus-Linear Framework. <i>International Review on Modelling and Simulations</i> , 2018 , 11, 206	2.6	2
196	Location Covering Models. <i>Advances in Spatial Science</i> , 2018 ,	0.4	26
195	Anti-cover. <i>Advances in Spatial Science</i> , 2018 , 107-130	0.4	2
194	Evolving Location Analytics for Service Coverage Modeling. <i>Geographical Analysis</i> , 2018 , 50, 207-222	2.9	11
193	Coverage of Network-Based Structures: Paths, Tours and Trees. <i>Advances in Spatial Science</i> , 2018 , 229-253	0.4	2
192	Classic Beginnings. <i>Advances in Spatial Science</i> , 2018 , 23-47	0.4	
191	Probabilistic Coverage. <i>Advances in Spatial Science</i> , 2018 , 81-106	0.4	
190	Capture, Capacities, and Thresholds. <i>Advances in Spatial Science</i> , 2018 , 149-176	0.4	
189	Complexities in spatial center derivation. <i>Transactions in GIS</i> , 2018 , 22, 1335-1350	2.1	2
188	Tree shade coverage optimization in an urban residential environment. <i>Building and Environment</i> , 2017 , 115, 269-280	6.5	27
187	Regional analytics. <i>Annals of Regional Science</i> , 2017 , 59, 1-13	1.1	13
186	Location Analysis: Developments on the Horizon. <i>Advances in Spatial Science</i> , 2017 , 193-208	0.4	5
185	Regional Perspectives on Public Health. <i>Advances in Spatial Science</i> , 2017 , 161-173	0.4	0
184	GIS in Regional Research. <i>Advances in Spatial Science</i> , 2017 , 169-180	0.4	
183	Optimizing green space locations to reduce daytime and nighttime urban heat island effects in Phoenix, Arizona. <i>Landscape and Urban Planning</i> , 2017 , 165, 162-171	7.7	135
182	Spatial Analysis 2017 , 1-11		1
181	A spatial analytic framework for assessing and improving food aid distribution in developing countries. <i>Food Security</i> , 2017 , 9, 867-880	6.7	1
180	A Deviation Flow Refueling Location Model for Continuous Space: A Commercial Drone Delivery System for Urban Areas. <i>Advances in Geographic Information Science</i> , 2017 , 125-132	0.3	21

179	Obstacle-avoiding shortest path derivation in a multicore computing environment. <i>Computers, Environment and Urban Systems</i> , 2016 , 55, 1-10	5.9	3
178	Comparative approaches for assessing access to alcohol outlets: exploring the utility of a gravity potential approach. <i>Population Health Metrics</i> , 2016 , 14, 25	3	12
177	Assessing Raster GIS Approximation for Euclidean Shortest Path Routing. <i>Transactions in GIS</i> , 2016 , 20, 570-584	2.1	9
176	Introduction to the 40 Years of Maximal Coverage Special Issue. <i>International Regional Science Review</i> , 2016 , 39, 3-4	1.8	1
175	Public street lighting service standard assessment and achievement. <i>Socio-Economic Planning Sciences</i> , 2016 , 53, 14-22	3.7	24
174	Assessing the impacts of traditional school year calendar start dates. <i>Socio-Economic Planning Sciences</i> , 2016 , 54, 28-36	3.7	
173	Maximal Coverage Location Problem: Impacts, Significance, and Evolution. <i>International Regional Science Review</i> , 2016 , 39, 5-27	1.8	50
172	Essential Air Service in the United States: Exploring Strategies to Enhance Spatial and Operational Efficiencies. <i>International Regional Science Review</i> , 2016 , 39, 108-130	1.8	10
171	Spatial Filtering for Identifying a Shortest Path Around Obstacles. <i>Geographical Analysis</i> , 2016 , 48, 176-190	1.9	4
170	A parallel algorithm for coverage optimization on multi-core architectures. <i>International Journal of Geographical Information Science</i> , 2016 , 30, 432-450	4.1	10
169	Spatial uncertainty in cluster detection. <i>Spatial Information Research</i> , 2016 , 24, 181-189	1.6	2
168	Optimization Model for the Sustainable Water Resource Management of River Basins. <i>Water Resources Management</i> , 2016 , 30, 3247-3264	3.7	9
167	Equity in regional access to renal dialysis in Brazil. <i>Regional Science Policy and Practice</i> , 2016 , 8, 27-44	1.6	1
166	Operations Research challenges in forestry: 33 open problems. <i>Annals of Operations Research</i> , 2015 , 232, 11	3.2	61
165	Continuous space maximal coverage: Insights, advances and challenges. <i>Computers and Operations Research</i> , 2015 , 62, 325-336	4.6	31
164	Fire Station Siting. <i>Profiles in Operations Research</i> , 2015 , 293-306	1	4
163	Locational Effectiveness of Clinics Providing Sexual and Reproductive Health Services to Women in Rural Mozambique. <i>International Regional Science Review</i> , 2014 , 37, 172-193	1.8	10
162	Sex Offender Residential Movement Patterns: A Markov Chain Analysis. <i>Professional Geographer</i> , 2014 , 66, 102-111	1.7	4

161	Evaluating Polygon Overlay to Support Spatial Optimization Coverage Modeling. <i>Geographical Analysis</i> , 2014 , 46, 209-229	2.9	17
160	Spatial Clustering Overview and Comparison: Accuracy, Sensitivity, and Computational Expense. <i>Annals of the American Association of Geographers</i> , 2014 , 104, 1134-1156		67
159	Geospatial and geodemographic insights for diabetes in the United States. <i>Applied Geography</i> , 2014 , 55, 117-126	4.4	24
158	A bounding-based solution approach for the continuous arc covering problem. <i>Journal of Geographical Systems</i> , 2014 , 16, 161-182	1.8	13
157	Spatial and social inequities in HIV testing utilization in the context of rapid scale-up of HIV/AIDS services in rural Mozambique. <i>Health and Place</i> , 2014 , 28, 133-41	4.6	17
156	A multi-objective evolutionary algorithm for facility dispersion under conditions of spatial uncertainty. <i>Journal of the Operational Research Society</i> , 2014 , 65, 1133-1142	2	4
155	An Approach for Examining Alternatives Attributable to Locational Uncertainty. <i>Environment and Planning B: Planning and Design</i> , 2014 , 41, 93-109		6
154	Spatially significant cluster detection. <i>Spatial Statistics</i> , 2014 , 10, 103-116	2.2	29
153	Serving regional demand in facility location. <i>Papers in Regional Science</i> , 2014 , 93, 643-662	1.8	10
152	Optimising the spatial location of urban fire stations. <i>Fire Safety Journal</i> , 2013 , 62, 64-71	3.3	66
151	A geographical perspective on access to sexual and reproductive health care for women in rural Africa. <i>Social Science and Medicine</i> , 2013 , 96, 60-8	5.1	59
150	Continuous surface representation and approximation: spatial analytical implications. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 883-897	4.1	13
149	A strategic approach for improving rural air transport in the United States. <i>Transport Policy</i> , 2013 , 30, 117-124	5.7	8
148	An overview of network vulnerability modeling approaches. <i>Geo Journal</i> , 2013 , 78, 209-221	2.2	34
147	Efficient measurement of continuous space shortest distance around barriers. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 2302-2318	4.1	14
146	Land system architecture: Using land systems to adapt and mitigate global environmental change. <i>Global Environmental Change</i> , 2013 , 23, 395-397	10.1	88
145	A computational approach for eliminating error in the solution of the location set covering problem. <i>European Journal of Operational Research</i> , 2013 , 224, 52-64	5.6	30
144	Efficient wayfinding in complex environments 2013 ,		2

143	Spatial Analysis 2013 ,		4
142	Convicted Sex Offender Residential Movements 2013 , 51-71		1
141	Exploring Spatial Patterns of Crime Using Non-hierarchical Cluster Analysis 2013 , 105-124		13
140	Fortifying Large Scale, Geospatial Networks 2013 , 301-323		1
139	Are Foreclosures Contagious?. <i>International Journal of Applied Geospatial Research</i> , 2013 , 4, 19-36	0.6	
138	Assessing geographic coverage of the essential air service program. <i>Socio-Economic Planning Sciences</i> , 2012 , 46, 124-135	3.7	20
137	Critical infrastructure protection: The vulnerability conundrum. <i>Telematics and Informatics</i> , 2012 , 29, 56-65	8.1	22
136	Spatial Optimization in Geography. <i>Annals of the American Association of Geographers</i> , 2012 , 102, 1290-1309		105
135	Geographic influences on sexual and reproductive health service utilization in rural Mozambique. <i>Applied Geography</i> , 2012 , 32, 601-607	4.4	36
134	Alcohol beverage control, privatization and the geographic distribution of alcohol outlets. <i>BMC Public Health</i> , 2012 , 12, 1015	4.1	25
133	Identifying bus stop redundancy: A gis-based spatial optimization approach. <i>Computers, Environment and Urban Systems</i> , 2012 , 36, 445-455	5.9	52
132	Surrogate markers of transport distance for out-of-hospital cardiac arrest patients. <i>Prehospital Emergency Care</i> , 2012 , 16, 266-72	2.8	14
131	Exploring movement object patterns. <i>Annals of Regional Science</i> , 2012 , 49, 471-484	1.1	27
130	An integrated approach for addressing geographic uncertainty in spatial optimization. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 1231-1249	4.1	15
129	Spatial Optimization Models for Water Supply Allocation. <i>Water Resources Management</i> , 2012 , 26, 2243-2257	3.7	13
128	Spatial uncertainty in harvest scheduling. <i>Annals of Operations Research</i> , 2012 , 232, 275	3.2	1
127	Spatial Optimization and Geographic Uncertainty: Implications for Sex Offender Management Strategies. <i>Profiles in Operations Research</i> , 2012 , 121-142	1	9
126	Introduction to the ISOLDE X Special Issue. <i>International Regional Science Review</i> , 2011 , 34, 283-284	1.8	

125	Market Coverage and Service Quality in Digital Subscriber Lines Infrastructure Planning. <i>International Regional Science Review</i> , 2011 , 34, 368-390	1.8	16
124	Spatially Disaggregating Employment Growth Estimates. <i>International Regional Science Review</i> , 2011 , 34, 138-156	1.8	3
123	A Hybrid Geocoding Methodology for Spatio-Temporal Data. <i>Transactions in GIS</i> , 2011 , 15, 795-809	2.1	24
122	A multiobjective evolutionary algorithm for optimizing spatial contiguity in reserve network design. <i>Landscape Ecology</i> , 2011 , 26, 425-437	4.3	16
121	Visualizing regional income distribution dynamics. <i>Letters in Spatial and Resource Sciences</i> , 2011 , 4, 81-90.	0.9	38
120	QUANTITATIVE GEOGRAPHY*. <i>Journal of Regional Science</i> , 2010 , 50, 143-163	1.8	34
119	Methods to support policy evaluation of sex offender laws. <i>Papers in Regional Science</i> , 2010 , 89, 669-684.	1.8	9
118	Enhancing Classic Coverage Location Models. <i>International Regional Science Review</i> , 2010 , 33, 115-133	1.8	54
117	Collaborating to achieve corporate social responsibility and sustainability?. <i>Sustainability Accounting, Management and Policy Journal</i> , 2010 , 1, 161-177	3.2	36
116	Advances in location modeling: GIS linkages and contributions. <i>Journal of Geographical Systems</i> , 2010 , 12, 335-354	1.8	116
115	Strategic Network Restoration. <i>Networks and Spatial Economics</i> , 2010 , 10, 345-361	1.9	84
114	Maximal covering with network survivability requirements in wireless mesh networks. <i>Computers, Environment and Urban Systems</i> , 2010 , 34, 49-57	5.9	36
113	The Influence of Data Aggregation on the Stability of p-Median Location Model Solutions. <i>Geographical Analysis</i> , 2010 , 29, 200-213	2.9	41
112	Spatial Characteristics and Comparisons of Interaction and Median Clustering Models. <i>Geographical Analysis</i> , 2010 , 32, 1-18	2.9	22
111	Heuristics in Spatial Analysis: A Genetic Algorithm for Coverage Maximization. <i>Annals of the American Association of Geographers</i> , 2009 , 99, 698-711		44
110	Siting a facility in continuous space to maximize coverage of a region. <i>Socio-Economic Planning Sciences</i> , 2009 , 43, 131-139	3.7	36
109	Area coverage maximization in service facility siting. <i>Journal of Geographical Systems</i> , 2009 , 11, 175-189	1.8	14
108	Connectivity change in habitat networks. <i>Landscape Ecology</i> , 2009 , 24, 89-100	4.3	38

107	Exploring the vulnerability of network infrastructure to disruption. <i>Annals of Regional Science</i> , 2009 , 43, 307-321	1.1	51
106	Maximising coverage of spatial demand for service*. <i>Papers in Regional Science</i> , 2009 , 88, 85-97	1.8	68
105	Modeling path availability to support disaster vulnerability assessment of network infrastructure. <i>Computers and Operations Research</i> , 2009 , 36, 16-26	4.6	136
104	GIS and spatial analysis in the media. <i>Applied Geography</i> , 2009 , 29, 250-259	4.4	44
103	A Methodological Overview of Network Vulnerability Analysis. <i>Growth and Change</i> , 2008 , 39, 573-592	2.3	93
102	A Geocomputational Heuristic for Coverage Maximization in Service Facility Siting. <i>Transactions in GIS</i> , 2008 , 12, 757-773	2.1	31
101	ENHANCING SPATIAL REPRESENTATION IN PRIMARY AND SECONDARY COVERAGE LOCATION MODELING*. <i>Journal of Regional Science</i> , 2008 , 48, 745-768	1.8	16
100	Decision support for network disruption mitigation. <i>Decision Support Systems</i> , 2008 , 44, 954-969	5.6	44
99	Estimating carrying capacity for sandhill cranes using habitat suitability and spatial optimization models. <i>Ecological Modelling</i> , 2008 , 214, 284-292	3	48
98	A multiobjective evolutionary algorithm for surveillance sensor placement. <i>Environment and Planning B: Planning and Design</i> , 2008 , 35, 935-948		28
97	Comparative Approaches for Assessing Network Vulnerability. <i>International Regional Science Review</i> , 2008 , 31, 88-112	1.8	118
96	Location-Allocation 2008 , 259-280		1
95	Dispersion 2008 , 235-258		
94	Model-Building Fundamentals 2008 , 55-80		
93	Area-based Location 2008 , 187-208		
92	Coverage 2008 , 209-234		1
91	2008 ,		30
90	Regional service coverage modeling. <i>Computers and Operations Research</i> , 2008 , 35, 339-355	4.6	70

89	Sex offenders, housing and spatial restriction zones. <i>Geo Journal</i> , 2008 , 73, 255-269	2.2	18
88	Sex Offender Residency and Spatial Equity. <i>Applied Spatial Analysis and Policy</i> , 2008 , 1, 175-192	1.7	28
87	Efficient identification of geographic restriction conditions in anti-covering location models using GIS. <i>Letters in Spatial and Resource Sciences</i> , 2008 , 1, 159-169	0.9	15
86	Siting park-and-ride facilities using a multi-objective spatial optimization model. <i>Computers and Operations Research</i> , 2008 , 35, 445-456	4.6	82
85	A new approach to quantifying spatial contiguity using graph theory and spatial interaction. <i>International Journal of Geographical Information Science</i> , 2008 , 22, 387-407	4.1	22
84	Spatial contiguity optimization in land acquisition. <i>Journal of Land Use Science</i> , 2008 , 2, 243-256	2.7	6
83	Coverage optimization to support security monitoring. <i>Computers, Environment and Urban Systems</i> , 2007 , 31, 133-147	5.9	99
82	Improving computational capabilities for addressing volume constraints in forest harvest scheduling problems. <i>European Journal of Operational Research</i> , 2007 , 176, 1246-1264	5.6	23
81	Population Estimation Using Landsat Enhanced Thematic Mapper Imagery. <i>Geographical Analysis</i> , 2007 , 39, 26-43	2.9	66
80	Location models for ceding market share and shrinking services. <i>Omega</i> , 2007 , 35, 533-540	7.2	30
79	Coverage optimization in continuous space facility siting. <i>International Journal of Geographical Information Science</i> , 2007 , 21, 757-776	4.1	85
78	Critical network infrastructure analysis: interdiction and system flow. <i>Journal of Geographical Systems</i> , 2007 , 9, 103-117	1.8	101
77	Geographic Exclusion: Spatial Analysis for Evaluating the Implications of Megan's Law. <i>Social Science Computer Review</i> , 2007 , 25, 143-162	3.1	38
76	Sensor configuration for coverage optimization for surveillance applications 2007 ,		3
75	Overview of Reliability and Vulnerability in Critical Infrastructure 2007 , 1-8		22
74	Continuity in Critical Network Infrastructures: Accounting for Nodal Disruptions 2007 , 197-220		6
73	Bounding Network Interdiction Vulnerability Through Cutset Identification 2007 , 243-256		14
72	Spatial Environmental Concerns 2007 , 419-429		2

71	Strategic route extension in transit networks. <i>European Journal of Operational Research</i> , 2006 , 171, 661-673	38
70	Solving the continuous space p-centre problem: planning application issues. <i>IMA Journal of Management Mathematics</i> , 2006 , 17, 413-425	1.4 37
69	Vital Nodes, Interconnected Infrastructures, and the Geographies of Network Survivability. <i>Annals of the American Association of Geographers</i> , 2006 , 96, 64-83	78
68	Review of combinatorial problems induced by spatial forest harvesting planning. <i>Discrete Applied Mathematics</i> , 2006 , 154, 867-879	1 33
67	Promoting species persistence through spatial association optimization in nature reserve design. <i>Journal of Geographical Systems</i> , 2006 , 8, 289-305	1.8 17
66	Distance decay and coverage in facility location planning. <i>Annals of Regional Science</i> , 2006 , 40, 279-295	1.1 35
65	Harvest Scheduling Subject to Maximum Area Restrictions: Exploring Exact Approaches. <i>Operations Research</i> , 2005 , 53, 490-500	2.3 94
64	Geographies of imperfection in telecommunication analysis. <i>Telecommunications Policy</i> , 2005 , 29, 69-94	4 31
63	Spatial Historical landscapes of telecommunication network survivability. <i>Telecommunications Policy</i> , 2005 , 29, 801-820	4 9
62	A cokriging method for estimating population density in urban areas. <i>Computers, Environment and Urban Systems</i> , 2005 , 29, 558-579	5.9 75
61	Optimizing Public Transit Quality and System Access: The Multiple-Route, Maximal Covering/Shortest-Path Problem. <i>Environment and Planning B: Planning and Design</i> , 2005 , 32, 163-178	52
60	A GIS-Based Approach for Delineating Market Areas for Park and Ride Facilities. <i>Transactions in GIS</i> , 2005 , 9, 91-108	2.1 27
59	Geography in Coverage Modeling: Exploiting Spatial Structure to Address Complementary Partial Service of Areas. <i>Annals of the American Association of Geographers</i> , 2005 , 95, 761-772	78
58	IMPACT MODELS FOR SITING UNDESIRABLE FACILITIES. <i>Papers in Regional Science</i> , 2005 , 77, 19-36	1.8 28
57	Constructing the divide: Spatial disparities in broadband access*. <i>Papers in Regional Science</i> , 2005 , 81, 197-221	1.8 6
56	Exploratory analysis of the homeless shelter system in columbus, ohio. <i>Geografiska Annaler, Series B: Human Geography</i> , 2005 , 87, 61-73	1.6 7
55	"Where" matters: Location and Wi-Fi access. <i>Journal of Urban Technology</i> , 2004 , 11, 1-28	5.9 11
54	Alternative Input-Output Matrix Updating Formulations. <i>Economic Systems Research</i> , 2004 , 16, 135-148	2.1 80

53	A lattice covering model for evaluating existing service facilities*. <i>Papers in Regional Science</i> , 2004 , 83, 565-580	1.8	8
52	Waiting for Broadband: Local Competition and the Spatial Distribution of Advanced Telecommunication Services in the United States. <i>Growth and Change</i> , 2004 , 35, 139-165	2.3	82
51	Assessing spatial patterns of crime in Lima, Ohio. <i>Cities</i> , 2004 , 21, 423-437	5.6	47
50	Spatial Representation and Scale Impacts in Transit Service Assessment. <i>Environment and Planning B: Planning and Design</i> , 2004 , 31, 785-797		40
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