

# Alan T Murray

## List of Publications by Citations

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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	Estimating impervious surface distribution by spectral mixture analysis. <i>Remote Sensing of Environment</i> , <b>2003</b> , 84, 493-505	13.2	568
249	Monitoring the composition of urban environments based on the vegetation-impervious surface-soil (VIS) model by subpixel analysis techniques. <i>International Journal of Remote Sensing</i> , <b>2002</b> , 23, 4131-4153	3.1	213
248	Public Transportation Access. <i>Transportation Research, Part D: Transport and Environment</i> , <b>1998</b> , 3, 319-328	3.1	172
247	Monitoring Growth in Rapidly Urbanizing Areas Using Remotely Sensed Data. <i>Professional Geographer</i> , <b>2000</b> , 52, 371-386	1.7	165
246	A stochastically constrained cellular model of urban growth. <i>Computers, Environment and Urban Systems</i> , <b>2000</b> , 24, 539-558	5.9	160
245	Excess Commuting and the Modifiable Areal Unit Problem. <i>Urban Studies</i> , <b>2002</b> , 39, 131-139	3.2	154
244	Strategic analysis of public transport coverage. <i>Socio-Economic Planning Sciences</i> , <b>2001</b> , 35, 175-188	3.7	138
243	Modeling path availability to support disaster vulnerability assessment of network infrastructure. <i>Computers and Operations Research</i> , <b>2009</b> , 36, 16-26	4.6	136
242	Optimizing green space locations to reduce daytime and nighttime urban heat island effects in Phoenix, Arizona. <i>Landscape and Urban Planning</i> , <b>2017</b> , 165, 162-171	7.7	135
241	Applying simulated annealing to location-planning models. <i>Journal of Heuristics</i> , <b>1996</b> , 2, 31-53	1.9	133
240	Recent advances in accessibility research: Representation, methodology and applications. <i>Journal of Geographical Systems</i> , <b>2003</b> , 5, 129-138	1.8	131
239	Comparative Approaches for Assessing Network Vulnerability. <i>International Regional Science Review</i> , <b>2008</b> , 31, 88-112	1.8	118
238	Advances in location modeling: GIS linkages and contributions. <i>Journal of Geographical Systems</i> , <b>2010</b> , 12, 335-354	1.8	116
237	Exploratory Spatial Data Analysis Techniques for Examining Urban Crime: Implications for Evaluating Treatment. <i>British Journal of Criminology</i> , <b>2001</b> , 41, 309-329	2.1	113
236	Spatial Optimization in Geography. <i>Annals of the American Association of Geographers</i> , <b>2012</b> , 102, 1290-1309	1.8	105
235	Heuristic solution approaches to operational forest planning problems. <i>OR Spectrum</i> , <b>1995</b> , 17, 193-203	1.9	104
234	Critical network infrastructure analysis: interdiction and system flow. <i>Journal of Geographical Systems</i> , <b>2007</b> , 9, 103-117	1.8	101

233	Coverage optimization to support security monitoring. <i>Computers, Environment and Urban Systems</i> , <b>2007</b> , 31, 133-147	5.9	99
232	Harvest Scheduling Subject to Maximum Area Restrictions: Exploring Exact Approaches. <i>Operations Research</i> , <b>2005</b> , 53, 490-500	2.3	94
231	A Methodological Overview of Network Vulnerability Analysis. <i>Growth and Change</i> , <b>2008</b> , 39, 573-592	2.3	93
230	Accessibility tradeoffs in public transit planning. <i>Journal of Geographical Systems</i> , <b>2003</b> , 5, 93-107	1.8	92
229	A range-restricted recharging station coverage model for drone delivery service planning. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2018</b> , 90, 198-212	8.4	89
228	A Coverage Model for Improving Public Transit System Accessibility and Expanding Access. <i>Annals of Operations Research</i> , <b>2003</b> , 123, 143-156	3.2	89
227	Land system architecture: Using land systems to adapt and mitigate global environmental change. <i>Global Environmental Change</i> , <b>2013</b> , 23, 395-397	10.1	88
226	Coverage optimization in continuous space facility siting. <i>International Journal of Geographical Information Science</i> , <b>2007</b> , 21, 757-776	4.1	85
225	Strategic Network Restoration. <i>Networks and Spatial Economics</i> , <b>2010</b> , 10, 345-361	1.9	84
224	Siting park-and-ride facilities using a multi-objective spatial optimization model. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 445-456	4.6	82
223	Waiting for Broadband: Local Competition and the Spatial Distribution of Advanced Telecommunication Services in the United States. <i>Growth and Change</i> , <b>2004</b> , 35, 139-165	2.3	82
222	Equity in Regional Service Provision. <i>Journal of Regional Science</i> , <b>2001</b> , 41, 557-600	1.8	81
221	Alternative Input-Output Matrix Updating Formulations. <i>Economic Systems Research</i> , <b>2004</b> , 16, 135-148	2.1	80
220	Vital Nodes, Interconnected Infrastructures, and the Geographies of Network Survivability. <i>Annals of the American Association of Geographers</i> , <b>2006</b> , 96, 64-83		78
219	Assessing representation error in point-based coverage modeling. <i>Journal of Geographical Systems</i> , <b>2002</b> , 4, 171-191	1.8	78
218	Constructing the divide: Spatial disparities in broadband access. <i>Papers in Regional Science</i> , <b>2002</b> , 81, 197-221	1.8	78
217	Geography in Coverage Modeling: Exploiting Spatial Structure to Address Complementary Partial Service of Areas. <i>Annals of the American Association of Geographers</i> , <b>2005</b> , 95, 761-772		78
216	A cokriging method for estimating population density in urban areas. <i>Computers, Environment and Urban Systems</i> , <b>2005</b> , 29, 558-579	5.9	75

215	Regional service coverage modeling. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 339-355	4.6	70
214	Integrating attribute and space characteristics in choropleth display and spatial data mining. <i>International Journal of Geographical Information Science</i> , <b>2000</b> , 14, 649-667	4.1	69
213	Maximising coverage of spatial demand for service*. <i>Papers in Regional Science</i> , <b>2009</b> , 88, 85-97	1.8	68
212	Cluster discovery techniques for exploratory spatial data analysis. <i>International Journal of Geographical Information Science</i> , <b>1998</b> , 12, 431-443	4.1	68
211	Spatial Clustering Overview and Comparison: Accuracy, Sensitivity, and Computational Expense. <i>Annals of the American Association of Geographers</i> , <b>2014</b> , 104, 1134-1156		67
210	Optimising the spatial location of urban fire stations. <i>Fire Safety Journal</i> , <b>2013</b> , 62, 64-71	3.3	66
209	Population Estimation Using Landsat Enhanced Thematic Mapper Imagery. <i>Geographical Analysis</i> , <b>2007</b> , 39, 26-43	2.9	66
208	Operations Research challenges in forestry: 33 open problems. <i>Annals of Operations Research</i> , <b>2015</b> , 232, 11	3.2	61
207	A geographical perspective on access to sexual and reproductive health care for women in rural Africa. <i>Social Science and Medicine</i> , <b>2013</b> , 96, 60-8	5.1	59
206	A geographic perspective on commercial Internet survivability. <i>Telematics and Informatics</i> , <b>2003</b> , 20, 51-69	3.1	56
205	Enhancing Classic Coverage Location Models. <i>International Regional Science Review</i> , <b>2010</b> , 33, 115-133	1.8	54
204	Identifying bus stop redundancy: A gis-based spatial optimization approach. <i>Computers, Environment and Urban Systems</i> , <b>2012</b> , 36, 445-455	5.9	52
203	Optimizing Public Transit Quality and System Access: The Multiple-Route, Maximal Covering/Shortest-Path Problem. <i>Environment and Planning B: Planning and Design</i> , <b>2005</b> , 32, 163-178		52
202	Exploring the vulnerability of network infrastructure to disruption. <i>Annals of Regional Science</i> , <b>2009</b> , 43, 307-321	1.1	51
201	Maximal Coverage Location Problem: Impacts, Significance, and Evolution. <i>International Regional Science Review</i> , <b>2016</b> , 39, 5-27	1.8	50
200	A Multi-objective Approach to Improving Regional Jobs-Housing Balance. <i>Regional Studies</i> , <b>2003</b> , 37, 135-146	3.4	50
199	Estimating carrying capacity for sandhill cranes using habitat suitability and spatial optimization models. <i>Ecological Modelling</i> , <b>2008</b> , 214, 284-292	3	48
198	Assessing spatial patterns of crime in Lima, Ohio. <i>Cities</i> , <b>2004</b> , 21, 423-437	5.6	47

197	Heuristics in Spatial Analysis: A Genetic Algorithm for Coverage Maximization. <i>Annals of the American Association of Geographers</i> , <b>2009</b> , 99, 698-711		44
196	GIS and spatial analysis in the media. <i>Applied Geography</i> , <b>2009</b> , 29, 250-259	4.4	44
195	Decision support for network disruption mitigation. <i>Decision Support Systems</i> , <b>2008</b> , 44, 954-969	5.6	44
194	Measuring the efficacy of adjacency constraint structure in forest planning models. <i>Canadian Journal of Forest Research</i> , <b>1995</b> , 25, 1416-1424	1.9	43
193	Integrating spatial optimization and cellular automata for evaluating urban change. <i>Annals of Regional Science</i> , <b>2003</b> , 37, 131-148	1.1	42
192	The Influence of Data Aggregation on the Stability of p-Median Location Model Solutions. <i>Geographical Analysis</i> , <b>2010</b> , 29, 200-213	2.9	41
191	Location optimization of urban fire stations: Access and service coverage. <i>Computers, Environment and Urban Systems</i> , <b>2019</b> , 73, 184-190	5.9	41
190	An optimization approach for equitable bicycle share station siting. <i>Journal of Transport Geography</i> , <b>2018</b> , 69, 163-170	5.2	40
189	Spatial Representation and Scale Impacts in Transit Service Assessment. <i>Environment and Planning B: Planning and Design</i> , <b>2004</b> , 31, 785-797		40
188	Visualizing regional income distribution dynamics. <i>Letters in Spatial and Resource Sciences</i> , <b>2011</b> , 4, 81-90.	0.9	38
187	Connectivity change in habitat networks. <i>Landscape Ecology</i> , <b>2009</b> , 24, 89-100	4.3	38
186	Strategic route extension in transit networks. <i>European Journal of Operational Research</i> , <b>2006</b> , 171, 661-673	6.7	38
185	Geographic Exclusion: Spatial Analysis for Evaluating the Implications of Megan's Law. <i>Social Science Computer Review</i> , <b>2007</b> , 25, 143-162	3.1	38
184	Modeling School Utilization and Consolidation. <i>Journal of the Urban Planning and Development Division, ASCE</i> , <b>1993</b> , 119, 23-38	2.2	38
183	Solving the continuous space p-centre problem: planning application issues. <i>IMA Journal of Management Mathematics</i> , <b>2006</b> , 17, 413-425	1.4	37
182	Geographic influences on sexual and reproductive health service utilization in rural Mozambique. <i>Applied Geography</i> , <b>2012</b> , 32, 601-607	4.4	36
181	Collaborating to achieve corporate social responsibility and sustainability?. <i>Sustainability Accounting, Management and Policy Journal</i> , <b>2010</b> , 1, 161-177	3.2	36
180	Siting a facility in continuous space to maximize coverage of a region. <i>Socio-Economic Planning Sciences</i> , <b>2009</b> , 43, 131-139	3.7	36

179	Maximal covering with network survivability requirements in wireless mesh networks. <i>Computers, Environment and Urban Systems</i> , <b>2010</b> , 34, 49-57	5.9	36
178	Distance decay and coverage in facility location planning. <i>Annals of Regional Science</i> , <b>2006</b> , 40, 279-295	1.1	35
177	An overview of network vulnerability modeling approaches. <i>Geo Journal</i> , <b>2013</b> , 78, 209-221	2.2	34
176	QUANTITATIVE GEOGRAPHY*. <i>Journal of Regional Science</i> , <b>2010</b> , 50, 143-163	1.8	34
175	Review of combinatorial problems induced by spatial forest harvesting planning. <i>Discrete Applied Mathematics</i> , <b>2006</b> , 154, 867-879	1	33
174	Support system development for forest ecosystem management. <i>European Journal of Operational Research</i> , <b>2000</b> , 121, 247-258	5.6	32
173	Continuous space maximal coverage: Insights, advances and challenges. <i>Computers and Operations Research</i> , <b>2015</b> , 62, 325-336	4.6	31
172	Spatial Optimization for Land-use Allocation: Accounting for Sustainability Concerns. <i>International Regional Science Review</i> , <b>2018</b> , 41, 579-600	1.8	31
171	A Geocomputational Heuristic for Coverage Maximization in Service Facility Siting. <i>Transactions in GIS</i> , <b>2008</b> , 12, 757-773	2.1	31
170	Geographies of imperfection in telecommunication analysis. <i>Telecommunications Policy</i> , <b>2005</b> , 29, 69-94	4	31
169	A computational approach for eliminating error in the solution of the location set covering problem. <i>European Journal of Operational Research</i> , <b>2013</b> , 224, 52-64	5.6	30
168	<b>2008</b> ,		30
167	Location models for ceding market share and shrinking services. <i>Omega</i> , <b>2007</b> , 35, 533-540	7.2	30
166	Site placement uncertainty in location analysis. <i>Computers, Environment and Urban Systems</i> , <b>2003</b> , 27, 205-221	5.9	30
165	Spatially significant cluster detection. <i>Spatial Statistics</i> , <b>2014</b> , 10, 103-116	2.2	29
164	A multiobjective evolutionary algorithm for surveillance sensor placement. <i>Environment and Planning B: Planning and Design</i> , <b>2008</b> , 35, 935-948		28
163	Sex Offender Residency and Spatial Equity. <i>Applied Spatial Analysis and Policy</i> , <b>2008</b> , 1, 175-192	1.7	28
162	IMPACT MODELS FOR SITING UNDESIRABLE FACILITIES. <i>Papers in Regional Science</i> , <b>2005</b> , 77, 19-36	1.8	28

161	Tree shade coverage optimization in an urban residential environment. <i>Building and Environment</i> , <b>2017</b> , 115, 269-280	6.5	27
160	Exploring movement object patterns. <i>Annals of Regional Science</i> , <b>2012</b> , 49, 471-484	1.1	27
159	A GIS-Based Approach for Delineating Market Areas for Park and Ride Facilities. <i>Transactions in GIS</i> , <b>2005</b> , 9, 91-108	2.1	27
158	Facets for node packing. <i>European Journal of Operational Research</i> , <b>1997</b> , 101, 598-608	5.6	26
157	Location Covering Models. <i>Advances in Spatial Science</i> , <b>2018</b> ,	0.4	26
156	Alcohol beverage control, privatization and the geographic distribution of alcohol outlets. <i>BMC Public Health</i> , <b>2012</b> , 12, 1015	4.1	25
155	Locational issues in forest management. <i>Location Science</i> , <b>1998</b> , 6, 137-153		25
154	Public street lighting service standard assessment and achievement. <i>Socio-Economic Planning Sciences</i> , <b>2016</b> , 53, 14-22	3.7	24
153	Geospatial and geodemographic insights for diabetes in the United States. <i>Applied Geography</i> , <b>2014</b> , 55, 117-126	4.4	24
152	A Hybrid Geocoding Methodology for Spatio-Temporal Data. <i>Transactions in GIS</i> , <b>2011</b> , 15, 795-809	2.1	24
151	Solving the anti-covering location problem using Lagrangian relaxation. <i>Computers and Operations Research</i> , <b>1997</b> , 24, 127-140	4.6	24
150	Improving computational capabilities for addressing volume constraints in forest harvest scheduling problems. <i>European Journal of Operational Research</i> , <b>2007</b> , 176, 1246-1264	5.6	23
149	Critical infrastructure protection: The vulnerability conundrum. <i>Telematics and Informatics</i> , <b>2012</b> , 29, 56-65	8.1	22
148	Spatial Characteristics and Comparisons of Interaction and Median Clustering Models. <i>Geographical Analysis</i> , <b>2010</b> , 32, 1-18	2.9	22
147	A new approach to quantifying spatial contiguity using graph theory and spatial interaction. <i>International Journal of Geographical Information Science</i> , <b>2008</b> , 22, 387-407	4.1	22
146	Forest management models and combinatorial algorithms: analysis of state of the art. <i>Annals of Operations Research</i> , <b>2000</b> , 96, 271-285	3.2	22
145	Overview of Reliability and Vulnerability in Critical Infrastructure <b>2007</b> , 1-8		22
144	A Deviation Flow Refueling Location Model for Continuous Space: A Commercial Drone Delivery System for Urban Areas. <i>Advances in Geographic Information Science</i> , <b>2017</b> , 125-132	0.3	21



143	Impact of oil price fluctuations on tanker maritime network structure and traffic flow changes. <i>Applied Energy</i> , <b>2019</b> , 237, 390-403	10.7	21
142	Discovering associations in spatial data [An efficient medoid based approach. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 110-121	0.9	21
141	Assessing geographic coverage of the essential air service program. <i>Socio-Economic Planning Sciences</i> , <b>2012</b> , 46, 124-135	3.7	20
140	Capacitated service and regional constraints in location-allocation modeling. <i>Location Science</i> , <b>1997</b> , 5, 103-118		20
139	Route planning for harvest site access. <i>Canadian Journal of Forest Research</i> , <b>1998</b> , 28, 1084-1087	1.9	20
138	Incorporating average and maximum area restrictions in harvest scheduling models. <i>Canadian Journal of Forest Research</i> , <b>2004</b> , 34, 456-464	1.9	19
137	Sex offenders, housing and spatial restriction zones. <i>Geo Journal</i> , <b>2008</b> , 73, 255-269	2.2	18
136	Commercial GIS location analytics: capabilities and performance. <i>International Journal of Geographical Information Science</i> , <b>2019</b> , 33, 1106-1130	4.1	17
135	Allocation using a heterogeneous space Voronoi diagram. <i>Journal of Geographical Systems</i> , <b>2018</b> , 20, 207-226	1.8	17
134	Evaluating Polygon Overlay to Support Spatial Optimization Coverage Modeling. <i>Geographical Analysis</i> , <b>2014</b> , 46, 209-229	2.9	17
133	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> , <b>2014</b> , 28, 133-41	4.6	17
132	Promoting species persistence through spatial association optimization in nature reserve design. <i>Journal of Geographical Systems</i> , <b>2006</b> , 8, 289-305	1.8	17
131	Market Coverage and Service Quality in Digital Subscriber Lines Infrastructure Planning. <i>International Regional Science Review</i> , <b>2011</b> , 34, 368-390	1.8	16
130	A multiobjective evolutionary algorithm for optimizing spatial contiguity in reserve network design. <i>Landscape Ecology</i> , <b>2011</b> , 26, 425-437	4.3	16
129	ENHANCING SPATIAL REPRESENTATION IN PRIMARY AND SECONDARY COVERAGE LOCATION MODELING*. <i>Journal of Regional Science</i> , <b>2008</b> , 48, 745-768	1.8	16
128	An integrated approach for addressing geographic uncertainty in spatial optimization. <i>International Journal of Geographical Information Science</i> , <b>2012</b> , 26, 1231-1249	4.1	15
127	Efficient identification of geographic restriction conditions in anti-covering location models using GIS. <i>Letters in Spatial and Resource Sciences</i> , <b>2008</b> , 1, 159-169	0.9	15
126	Surrogate markers of transport distance for out-of-hospital cardiac arrest patients. <i>Prehospital Emergency Care</i> , <b>2012</b> , 16, 266-72	2.8	14



125	Efficient measurement of continuous space shortest distance around barriers. <i>International Journal of Geographical Information Science</i> , <b>2013</b> , 27, 2302-2318	4.1	14
124	Area coverage maximization in service facility siting. <i>Journal of Geographical Systems</i> , <b>2009</b> , 11, 175-189	1.8	14
123	Constructing And Selecting Adjacency Constraints. <i>Infor</i> , <b>1996</b> , 34, 232-248	0.5	14
122	Bounding Network Interdiction Vulnerability Through Cutset Identification <b>2007</b> , 243-256		14
121	Regional analytics. <i>Annals of Regional Science</i> , <b>2017</b> , 59, 1-13	1.1	13
120	A context-based geoprocessing framework for optimizing meetup location of multiple moving objects along road networks. <i>International Journal of Geographical Information Science</i> , <b>2018</b> , 32, 1368-1390	4.1	13
119	A bounding-based solution approach for the continuous arc covering problem. <i>Journal of Geographical Systems</i> , <b>2014</b> , 16, 161-182	1.8	13
118	Continuous surface representation and approximation: spatial analytical implications. <i>International Journal of Geographical Information Science</i> , <b>2013</b> , 27, 883-897	4.1	13
117	Spatial Optimization Models for Water Supply Allocation. <i>Water Resources Management</i> , <b>2012</b> , 26, 2243-2257	3.7	13
116	Spatial analysis using clustering methods: Evaluating central point and median approaches. <i>Journal of Geographical Systems</i> , <b>1999</b> , 1, 367-383	1.8	13
115	Exploring Spatial Patterns of Crime Using Non-hierarchical Cluster Analysis <b>2013</b> , 105-124		13
114	Comparative approaches for assessing access to alcohol outlets: exploring the utility of a gravity potential approach. <i>Population Health Metrics</i> , <b>2016</b> , 14, 25	3	12
113	Spatial Analytics for Enhancing Street Light Coverage of Public Spaces. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , <b>2018</b> , 14, 13-23	3.5	11
112	"Where" matters: Location and Wi-Fi access. <i>Journal of Urban Technology</i> , <b>2004</b> , 11, 1-28	5.9	11
111	Evolving Location Analytics for Service Coverage Modeling. <i>Geographical Analysis</i> , <b>2018</b> , 50, 207-222	2.9	11
110	Essential Air Service in the United States: Exploring Strategies to Enhance Spatial and Operational Efficiencies. <i>International Regional Science Review</i> , <b>2016</b> , 39, 108-130	1.8	10
109	Locational Effectiveness of Clinics Providing Sexual and Reproductive Health Services to Women in Rural Mozambique. <i>International Regional Science Review</i> , <b>2014</b> , 37, 172-193	1.8	10
108	Serving regional demand in facility location. <i>Papers in Regional Science</i> , <b>2014</b> , 93, 643-662	1.8	10

107	Forest planning at the tactical level. <i>Annals of Operations Research</i> , <b>2000</b> , 95, 3-18	3.2	10
106	A parallel algorithm for coverage optimization on multi-core architectures. <i>International Journal of Geographical Information Science</i> , <b>2016</b> , 30, 432-450	4.1	10
105	Assessing Raster GIS Approximation for Euclidean Shortest Path Routing. <i>Transactions in GIS</i> , <b>2016</b> , 20, 570-584	2.1	9
104	Methods to support policy evaluation of sex offender laws. <i>Papers in Regional Science</i> , <b>2010</b> , 89, 669-684	1.8	9
103	A lattice covering model for evaluating existing service facilities. <i>Papers in Regional Science</i> , <b>2004</b> , 83, 565-580	1.8	9
102	Spatial-historical landscapes of telecommunication network survivability. <i>Telecommunications Policy</i> , <b>2005</b> , 29, 801-820	4	9
101	Minimizing Aggregation Error in Input-Output Models. <i>Environment and Planning A</i> , <b>1998</b> , 30, 1125-1128	2.7	9
100	Spatial optimization: expanding emergency services to address regional growth and development	109-122	9
99	Optimization Model for the Sustainable Water Resource Management of River Basins. <i>Water Resources Management</i> , <b>2016</b> , 30, 3247-3264	3.7	9
98	Spatial Optimization and Geographic Uncertainty: Implications for Sex Offender Management Strategies. <i>Profiles in Operations Research</i> , <b>2012</b> , 121-142	1	9
97	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> , <b>2019</b> , 19,	3.8	8
96	A strategic approach for improving rural air transport in the United States. <i>Transport Policy</i> , <b>2013</b> , 30, 117-124	5.7	8
95	A lattice covering model for evaluating existing service facilities*. <i>Papers in Regional Science</i> , <b>2004</b> , 83, 565-580	1.8	8
94	Contemporary optimization application through geographic information systems. <i>Omega</i> , <b>2021</b> , 99, 102176	1.76	8
93	Spatial optimization for land acquisition problems: A review of models, solution methods, and GIS support. <i>Transactions in GIS</i> , <b>2019</b> , 23, 645	2.1	7
92	Challenges in applying capacitated covering models. <i>Transactions in GIS</i> , <b>2020</b> , 24, 268-290	2.1	7
91	Single facility siting involving allocation decisions. <i>European Journal of Operational Research</i> , <b>2020</b> , 284, 834-846	5.6	7
90	Exploratory analysis of the homeless shelter system in columbus, ohio. <i>Geografiska Annaler, Series B: Human Geography</i> , <b>2005</b> , 87, 61-73	1.6	7

89	A Direction-Constrained Space-Time Prism-Based Approach for Quantifying Possible Multi-Ship Collision Risks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 131-141	6.1	7
88	Criteria on Proximity Graphs for Boundary Extraction and Spatial Clustering. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 348-357	0.9	7
87	An Approach for Examining Alternatives Attributable to Locational Uncertainty. <i>Environment and Planning B: Planning and Design</i> , <b>2014</b> , 41, 93-109		6
86	Spatial contiguity optimization in land acquisition. <i>Journal of Land Use Science</i> , <b>2008</b> , 2, 243-256	2.7	6
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