Shaoying Li

List of Publications by Year in Descending Order

202 papers	10,028 citations	55 h-index	94 g-index
221 ext. papers	12,372 ext. citations	5.7 avg, IF	6.72 L-index

#	Paper	IF	Citations
202	Global land projection based on plant functional types with a 1-km resolution under socio-climatic scenarios.. *Scientific Data*, **2022**, 9, 125	8.2	3
201	1 km land use/land cover change of China under comprehensive socioeconomic and climate scenarios for 2020-2100.. *Scientific Data*, **2022**, 9, 110	8.2	0
200	A land clearing index for high-frequency unsupervised monitoring of land development using multi-source optical remote sensing images. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2022**, 187, 393-421	11.8	
199	Visualizing the Spatiotemporal Characteristics of Dockless Bike Sharing Usage in Shenzhen, China. *Journal of Geovisualization and Spatial Analysis*, **2022**, 6, 1	3.5	0
198	The Bottom-Up Approach and De-mapping Direction of GIS **2022**, 59-65		
197	Modelling Teleconnections in Land Use Change **2022**, 341-348		
196	Evaluating the performance of LBSM data to estimate the gross domestic product of China at multiple scales: A comparison with NPP-VIIRS nighttime light data. *Journal of Cleaner Production*, **2021**, 328, 129558	10.3	7
195	A 1 km global cropland dataset from 10 000 BCE to 2100 CE. *Earth System Science Data*, **2021**, 13, 5403-5421	12.5	0
194	An Urban Flooding Index for Unsupervised Inundated Urban Area Detection Using Sentinel-1 Polarimetric SAR Images. *Remote Sensing*, **2021**, 13, 4511	5	1
193	Mapping Total Exceedance PM Exposure Risk by Coupling Social Media Data and Population Modeling Data. *GeoHealth*, **2021**, 5, e2021GH000468	5	0
192	Characterizing the urban spatial structure using taxi trip big data and implications for urban planning. *Frontiers of Earth Science*, **2021**, 15, 70-80	1.7	2
191	How Is Urban Greenness Spatially Associated with Dockless Bike Sharing Usage on Weekdays, Weekends, and Holidays?. *ISPRS International Journal of Geo-Information*, **2021**, 10, 238	2.9	9
190	Portraying Citizens Occupations and Assessing Urban Occupation Mixture with Mobile Phone Data: A Novel Spatiotemporal Analytical Framework. *ISPRS International Journal of Geo-Information*, **2021**, 10, 392	2.9	5
189	Effect of economic growth on environmental quality: Evidence from tropical countries with different income levels. *Science of the Total Environment*, **2021**, 774, 145180	10.2	1
188	Ridership exceedance exposure risk: Novel indicators to assess PM health exposure of bike sharing riders. *Environmental Research*, **2021**, 197, 111020	7.9	5
187	A global North-South division line for portraying urban development. *IScience*, **2021**, 24, 102729	6.1	5
186	The Traj2Vec model to quantify residents spatial trajectories and estimate the proportions of urban land-use types. *International Journal of Geographical Information Science*, **2021**, 35, 193-211	4.1	15

185	Modeling the dynamics and walking accessibility of urban open spaces under various policy scenarios. *Landscape and Urban Planning*, **2021**, 207, 103993	7.7	8
184	Cellular Automata Modeling for Urban and Regional Planning. *Urban Book Series*, **2021**, 865-883	0.3	5
183	Investigation of the capability of multitemporal RADARSAT-2 fully polarimetric SAR images for land cover classification:a case of Panyu, Guangdong province. *European Journal of Remote Sensing*, **2021**, 54, 338-350	2.9	4
182	Inferring the trip purposes and uncovering spatio-temporal activity patterns from dockless shared bike dataset in Shenzhen, China. *Journal of Transport Geography*, **2021**, 91, 102974	5.2	15
181	Accurate Estimation of the Proportion of Mixed Land Use at the Street-Block Level by Integrating High Spatial Resolution Images and Geospatial Big Data. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 6357-6370	8.1	14
180	Integrating the Eigendecomposition Approach and k-Means Clustering for Inferring Building Functions with Location-Based Social Media Data. *ISPRS International Journal of Geo-Information*, **2021**, 10, 834	2.9	2
179	High-spatiotemporal-resolution mapping of global urban change from 1985 to 2015. *Nature Sustainability*, **2020**, 3, 564-570	22.1	133
178	High-Resolution Gridded Population Projections for China Under the Shared Socioeconomic Pathways. *Earths Future*, **2020**, 8, e2020EF001491	7.9	13
177	Mapping global urban boundaries from the global artificial impervious area (GAIA) data. *Environmental Research Letters*, **2020**, 15, 094044	6.2	67
176	Explicit Spatializing Heat-Exposure Risk and Local Associated Factors by coupling social media data and automatic meteorological station data. *Environmental Research*, **2020**, 188, 109813	7.9	5
175	Integration of spatialization and individualization: the future of epidemic modelling for communicable diseases. *Annals of GIS*, **2020**, 26, 219-226	4.1	6
174	Spatially varying impacts of built environment factors on rail transit ridership at station level: A case study in Guangzhou, China. *Journal of Transport Geography*, **2020**, 82, 102631	5.2	41
173	Global protected areas boost the carbon sequestration capacity: Evidences from econometric causal analysis. *Science of the Total Environment*, **2020**, 715, 137001	10.2	7
172	Simulating urban land use change by integrating a convolutional neural network with vector-based cellular automata. *International Journal of Geographical Information Science*, **2020**, 34, 1475-1499	4.1	33
171	Global projections of future urban land expansion under shared socioeconomic pathways. *Nature Communications*, **2020**, 11, 537	17.4	124
170	The varying patterns of rail transit ridership and their relationships with fine-scale built environment factors: Big data analytics from Guangzhou. *Cities*, **2020**, 99, 102580	5.6	31
169	What is the influence of landscape metric selection on the calibration of land-use/cover simulation models?. *Environmental Modelling and Software*, **2020**, 129, 104719	5.2	10
168	Tourism land use simulation for regional tourism planning using POIs and cellular automata. *Transactions in GIS*, **2020**, 24, 1119-1138	2.1	3

149	Large-scale ecological red line planning in urban agglomerations using a semi-automatic intelligent zoning method. *Sustainable Cities and Society*, **2019**, 46, 101410	10.1	29
148	Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. *Nature Communications*, **2019**, 10, 5558	17.4	72
147	Scattering-Mechanism-Based Investigation of Optimal Combinations of Polarimetric SAR Frequency Bands for Land Cover Classification. *Photogrammetric Engineering and Remote Sensing*, **2019**, 85, 799-813	1.6	
146	Simulating urban growth boundaries using a patch-based cellular automaton with economic and ecological constraints. *International Journal of Geographical Information Science*, **2019**, 33, 55-80	4.1	37
145	Measuring inter-city connectivity in an urban agglomeration based on multi-source data. *International Journal of Geographical Information Science*, **2019**, 33, 1062-1081	4.1	14
144	Tele-connecting China's future urban growth to impacts on ecosystem services under the shared socioeconomic pathways. *Science of the Total Environment*, **2019**, 652, 765-779	10.2	52
143	Investigation of the effect of the incidence angle on land cover classification using fully polarimetric SAR images. *International Journal of Remote Sensing*, **2019**, 40, 1576-1593	3.1	8
142	Driving factors of urban land growth in Guangzhou and its implications for sustainable development. *Frontiers of Earth Science*, **2019**, 13, 464-477	1.7	12
141	Non-uniform time-lag effects of terrestrial vegetation responses to asymmetric warming. *Agricultural and Forest Meteorology*, **2018**, 252, 130-143	5.8	27
140	Mapping the spatial disparities in urban health care services using taxi trajectories data. *Transactions in GIS*, **2018**, 22, 602-615	2.1	11
139	Road Detection From Remote Sensing Images by Generative Adversarial Networks. *IEEE Access*, **2018**, 6, 25486-25494	3.5	47
138	Estimating spatiotemporal variations of city-level energy-related CO2 emissions: An improved disaggregating model based on vegetation adjusted nighttime light data. *Journal of Cleaner Production*, **2018**, 177, 101-114	10.3	55
137	High-resolution multi-temporal mapping of global urban land using Landsat images based on the Google Earth Engine Platform. *Remote Sensing of Environment*, **2018**, 209, 227-239	13.2	306
136	Assessing the impacts of urban sprawl on net primary productivity using fusion of Landsat and MODIS data. *Science of the Total Environment*, **2018**, 613-614, 1417-1429	10.2	38
135	Monitoring the vegetation activity in China using vegetation health indices. *Agricultural and Forest Meteorology*, **2018**, 248, 215-227	5.8	64
134	Simulating urban dynamics in China using a gradient cellular automata model based on S-shaped curve evolution characteristics. *International Journal of Geographical Information Science*, **2018**, 32, 73-101	4.1	33
133	Mining transition rules of cellular automata for simulating urban expansion by using the deep learning techniques. *International Journal of Geographical Information Science*, **2018**, 32, 2076-2097	4.1	46
132	Assimilating multi-source remotely sensed data into a light use efficiency model for net primary productivity estimation. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 72, 11-25	7.3	15

131	Spatial-temporal variations analysis of snow cover in China from 1992−2010. *Chinese Science Bulletin*, **2018**, 63, 2641-2654	2.9	6
130	A steady-state approximation approach to simulate seasonal leaf dynamics of deciduous broadleaf forests via climate variables. *Agricultural and Forest Meteorology*, **2018**, 249, 44-56	5.8	7
129	Spatial and Temporal Dynamics of Urban Expansion along the Guangzhou–Foshan Inter-City Rail Transit Corridor, China. *Sustainability*, **2018**, 10, 593	3.6	21
128	Stronger Contributions of Urbanization to Heat Wave Trends in Wet Climates. *Geophysical Research Letters*, **2018**, 45, 11,310	4.9	47
127	Comparing the Effects of Temporal Features Derived From Synthetic Time-Series NDVI on Fine Land Cover Classification. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2018**, 11, 4618-4629	4.7	2
126	Delineating multi-scenario urban growth boundaries with a CA-based FLUS model and morphological method. *Landscape and Urban Planning*, **2018**, 177, 47-63	7.7	149
125	Delineating urban functional areas with building-level social media data: A dynamic time warping (DTW) distance based k -medoids method. *Landscape and Urban Planning*, **2017**, 160, 48-60	7.7	125
124	Quantifying the spatial and temporal relationship between air and land surface temperatures of different land-cover types in Southeastern China. *International Journal of Remote Sensing*, **2017**, 38, 1114-1136	3.1	12
123	Experiences and issues of using cellular automata for assisting urban and regional planning in China. *International Journal of Geographical Information Science*, **2017**, 31, 1606-1629	4.1	38
122	Mapping fine-scale population distributions at the building level by integrating multisource geospatial big data. *International Journal of Geographical Information Science*, **2017**, 1-25	4.1	60
121	A New Global Land-Use and Land-Cover Change Product at a 1-km Resolution for 2010 to 2100 Based on Human–Environment Interactions. *Annals of the American Association of Geographers*, **2017**, 107, 1040-1059	2.6	131
120	Integrating multi-source big data to infer building functions. *International Journal of Geographical Information Science*, **2017**, 1-20	4.1	34
119	Delimiting the urban growth boundaries with a modified ant colony optimization model. *Computers, Environment and Urban Systems*, **2017**, 62, 146-155	5.9	46
118	Estimating terrestrial water storage changes in the Tarim River Basin using GRACE data. *Geophysical Journal International*, **2017**, 211, 1449-1460	2.6	12
117	A future land use simulation model (FLUS) for simulating multiple land use scenarios by coupling human and natural effects. *Landscape and Urban Planning*, **2017**, 168, 94-116	7.7	465
116	Calibrating a Land Parcel Cellular Automaton (LP-CA) for urban growth simulation based on ensemble learning. *International Journal of Geographical Information Science*, **2017**, 31, 2480-2504	4.1	20
115	A crop phenology knowledge-based approach for monthly monitoring of construction land expansion using polarimetric synthetic aperture radar imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2017**, 133, 1-17	11.8	8
114	Simulating urban land-use changes at a large scale by integrating dynamic land parcel subdivision and vector-based cellular automata. *International Journal of Geographical Information Science*, **2017**, 31, 2452-2479	4.1	47

95	Self-modifying CA model using dual ensemble Kalman filter for simulating urban land-use changes. *International Journal of Geographical Information Science*, **2015**, 29, 1612-1631	4.1	6
94	Minimum Volume Simplex Analysis: A Fast Algorithm for Linear Hyperspectral Unmixing. *IEEE Transactions on Geoscience and Remote Sensing*, **2015**, 53, 5067-5082	8.1	118
93	Evaluation of NPP-VIIRS Nighttime Light Data for Mapping Global Fossil Fuel Combustion CO2 Emissions: A Comparison with DMSP-OLS Nighttime Light Data. *PLoS ONE*, **2015**, 10, e0138310	3.7	76
92	Exploring the effects of biophysical parameters on the spatial pattern of rare cold damage to mangrove forests. *Remote Sensing of Environment*, **2014**, 150, 20-33	13.2	24
91	Automatic Registration of Multisensor Images Using an Integrated Spatial and Mutual Information (SMI) Metric. *IEEE Transactions on Geoscience and Remote Sensing*, **2014**, 52, 603-615	8.1	50
90	Simulating urban growth by integrating landscape expansion index (LEI) and cellular automata. *International Journal of Geographical Information Science*, **2014**, 28, 148-163	4.1	174
89	A maximum entropy method to extract urban land by combining MODIS reflectance, MODIS NDVI, and DMSP-OLS data. *International Journal of Remote Sensing*, **2014**, 35, 6708-6727	3.1	31
88	Modeling urban land-use dynamics in a fast developing city using the modified logistic cellular automaton with a patch-based simulation strategy. *International Journal of Geographical Information Science*, **2014**, 28, 234-255	4.1	139
87	GIS and built environment. *Geo Journal*, **2014**, 79, 127-128	2.2	
86	Spectral‐Spatial Classification of Hyperspectral Data Using Local and Global Probabilities for Mixed Pixel Characterization. *IEEE Transactions on Geoscience and Remote Sensing*, **2014**, 52, 6298-6314	8.1	91
85	Domain adaptation for land use classification: A spatio-temporal knowledge reusing method. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2014**, 98, 133-144	11.8	24
84	Improved Sub-Pixel Mapping Method Coupling Spatial Dependence With Directivity and Connectivity. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2014**, 7, 4887-4896	4.7	7
83	Combining system dynamics and hybrid particle swarm optimization for land use allocation. *Ecological Modelling*, **2013**, 257, 11-24	3	80
82	Quantifying the relationship between urban forms and carbon emissions using panel data analysis. *Landscape Ecology*, **2013**, 28, 1889-1907	4.3	127
81	Analyzing land-cover change and corresponding impacts on carbon budget in a fast developing sub-tropical region by integrating MODIS and Landsat TM/ETM+ images. *Applied Geography*, **2013**, 45, 10-21	4.4	18
80	An improved artificial immune system for seeking the Pareto front of land-use allocation problem in large areas. *International Journal of Geographical Information Science*, **2013**, 27, 922-946	4.1	66
79	Simulating Urban Form and Energy Consumption in the Pearl River Delta Under Different Development Strategies. *Annals of the American Association of Geographers*, **2013**, 103, 1567-1585		26
78	Simulation of pedestrian counter flow through bottlenecks by using an agent-based model. *Physica A: Statistical Mechanics and Its Applications*, **2013**, 392, 2202-2211	3.3	37

No.	Reference	IF	Citations
77	Assessing the differences in net primary productivity between pre- and post-urban land development in China. *Agricultural and Forest Meteorology*, **2013**, 171-172, 174-186	5.8	64
76	Assessing the impacts of droughts on net primary productivity in China. *Journal of Environmental Management*, **2013**, 114, 362-71	7.9	64
75	Early warning of illegal development for protected areas by integrating cellular automata with neural networks. *Journal of Environmental Management*, **2013**, 130, 106-16	7.9	30
74	Knowledge transfer and adaptation for land-use simulation with a logistic cellular automaton. *International Journal of Geographical Information Science*, **2013**, 27, 1829-1848	4.1	17
73	Simulation of spatial population dynamics based on labor economics and multi-agent systems: a case study on a rapidly developing manufacturing metropolis. *International Journal of Geographical Information Science*, **2013**, 27, 2410-2435	4.1	15
72	Calibrating cellular automata based on landscape metrics by using genetic algorithms. *International Journal of Geographical Information Science*, **2013**, 27, 594-613	4.1	71
71	A semi-empirical inversion model for assessing surface soil moisture using AMSR-E brightness temperatures. *Journal of Hydrology*, **2012**, 456-457, 1-11	6	7
70	An integrated approach of remote sensing, GIS and swarm intelligence for zoning protected ecological areas. *Landscape Ecology*, **2012**, 27, 447-463	4.3	28
69	Defining agents' behaviour based on urban economic theory to simulate complex urban residential dynamics. *International Journal of Geographical Information Science*, **2012**, 26, 1155-1172	4.1	13
68	A modified particle swarm optimization algorithm for optimal allocation of earthquake emergency shelters. *International Journal of Geographical Information Science*, **2012**, 26, 1643-1666	4.1	43
67	A novel algorithm for land use and land cover classification using RADARSAT-2 polarimetric SAR data. *Remote Sensing of Environment*, **2012**, 118, 21-39	13.2	186
66	A multi-type ant colony optimization (MACO) method for optimal land use allocation in large areas. *International Journal of Geographical Information Science*, **2012**, 26, 1325-1343	4.1	91
65	GPU-CA model for large-scale land-use change simulation. *Science Bulletin*, **2012**, 57, 2442-2452		14
64	Assimilating process context information of cellular automata into change detection for monitoring land use changes. *International Journal of Geographical Information Science*, **2012**, 26, 1667-1687	4.1	16
63	Integration of Polarimetric Decomposition, Object-Oriented Image Analysis, and Decision Tree Algorithms for Land-Use and Land-Cover Classification using RADARSAT-2 Polarimetric SAR Data. *Photogrammetric Engineering and Remote Sensing*, **2012**, 78, 169-181	1.6	5
62	Coupling urban cellular automata with ant colony optimization for zoning protected natural areas under a changing landscape. *International Journal of Geographical Information Science*, **2011**, 25, 575-593	4.1	62
61	Emergence of bottom-up models as a tool for landscape simulation and planning. *Landscape and Urban Planning*, **2011**, 100, 393-395	7.7	25
60	Estimating the relationship between urban forms and energy consumption: A case study in the Pearl River Delta, 2005-2008. *Landscape and Urban Planning*, **2011**, 102, 33-42	7.7	114

59	A Hybrid Framework for Space⬛Time Modeling of Environmental Data. ?????????????. *Geographical Analysis*, **2011**, 43, 188-210	2.9	15
58	Coupling Simulation and Optimization to Solve Planning Problems in a Fast-Developing Area. *Annals of the American Association of Geographers*, **2011**, 101, 1032-1048		29
57	Zoning farmland protection under spatial constraints by integrating remote sensing, GIS and artificial immune systems. *International Journal of Geographical Information Science*, **2011**, 25, 1829-1848	4.1	32
56	Concepts, methodologies, and tools of an integrated geographical simulation and optimization system. *International Journal of Geographical Information Science*, **2011**, 25, 633-655	4.1	57
55	Modeling conversion of rural-urban land use based on cellular automa and genetic algorithm **2011**,		1
54	Applying an Anomaly-Detection Algorithm for Short-Term Land Use and Land Cover Change Detection Using Time-Series SAR Images. *GIScience and Remote Sensing*, **2010**, 47, 379-397	4.8	4
53	Parallel cellular automata for large-scale urban simulation using load-balancing techniques. *International Journal of Geographical Information Science*, **2010**, 24, 803-820	4.1	54
52	An agent-based model for optimal land allocation (AgentLA) with a contiguity constraint. *International Journal of Geographical Information Science*, **2010**, 24, 1269-1288	4.1	29
51	Integrating object-oriented image analysis and decision tree algorithm for land use and land cover classification using RADARSAT-2 polarimetric SAR imagery **2010**,		1
50	Simulating land-use dynamics under planning policies by integrating artificial immune systems with cellular automata. *International Journal of Geographical Information Science*, **2010**, 24, 783-802	4.1	92
49	Determining Class Proportions Within a Pixel Using a New Mixed-Label Analysis Method. *IEEE Transactions on Geoscience and Remote Sensing*, **2010**, 48, 1882-1891	8.1	4
48	Multi-agent systems for simulating traffic behaviors. *Science Bulletin*, **2010**, 55, 293-300		12
47	Integration of small world networks with multi-agent systems for simulating epidemic spatiotemporal transmission. *Science Bulletin*, **2010**, 55, 1285-1293		7
46	A new landscape index for quantifying urban expansion using multi-temporal remotely sensed data. *Landscape Ecology*, **2010**, 25, 671-682	4.3	242
45	Ant intelligence for solving optimal path-covering problems with multi-objectives. *International Journal of Geographical Information Science*, **2009**, 23, 839-857	4.1	26
44	Intelligent GIS for solving high-dimensional site selection problems using ant colony optimization techniques. *International Journal of Geographical Information Science*, **2009**, 23, 399-416	4.1	44
43	A Matching Algorithm for Detecting Land Use Changes Using Case-Based Reasoning. *Photogrammetric Engineering and Remote Sensing*, **2009**, 75, 1319-1332	1.6	19
42	An Innovative Method to Classify Remote-Sensing Images Using Ant Colony Optimization. *IEEE Transactions on Geoscience and Remote Sensing*, **2008**, 46, 4198-4208	8.1	44

41	Cellular automata for simulating land use changes based on support vector machines. *Computers and Geosciences*, **2008**, 34, 592-602	4.5	164
40	Simulating complex urban development using kernel-based non-linear cellular automata. *Ecological Modelling*, **2008**, 211, 169-181	3	127
39	Embedding sustainable development strategies in agent-based models for use as a planning tool. *International Journal of Geographical Information Science*, **2008**, 22, 21-45	4.1	90
38	Discovering and evaluating urban signatures for simulating compact development using cellular automata. *Landscape and Urban Planning*, **2008**, 86, 177-186	7.7	94
37	A bottom-up approach to discover transition rules of cellular automata using ant intelligence. *International Journal of Geographical Information Science*, **2008**, 22, 1247-1269	4.1	130
36	A genetic algorithm based wrapper feature selection method for classification of hyperspectral images using support vector machine **2008**,		35
35	Flat-earth phase removal algorithm improved with frequency information of interferogram **2008**,		2
34	Swarm intelligence for classification of remote sensing data. *Science in China Series D: Earth Sciences*, **2008**, 51, 79-87		12
33	Spatial distribution of agricultural residue from rice for potential biofuel production in China. *Biomass and Bioenergy*, **2008**, 32, 22-27	5.3	50
32	Using spatial information technologies to select sites for biomass power plants: A case study in Guangdong Province, China. *Biomass and Bioenergy*, **2008**, 32, 35-43	5.3	93
31	Monitoring mangrove forest changes using remote sensing and GIS data with decision-tree learning. *Wetlands*, **2008**, 28, 336-346	1.7	94
30	Simulating Urban Dynamics Using Cellular Automata **2008**, 125-139		1
29	Defining agents' behaviors to simulate complex residential development using multicriteria evaluation. *Journal of Environmental Management*, **2007**, 85, 1063-75	7.9	66
28	Discovery of transition rules for geographical cellular automata by using ant colony optimization. *Science in China Series D: Earth Sciences*, **2007**, 50, 1578-1588		40
27	Genetic algorithms for determining the parameters of cellular automata in urban simulation. *Science in China Series D: Earth Sciences*, **2007**, 50, 1857-1866		28
26	Kernel-Based Cellular Automata for Urban Simulation **2007**,		1
25	Multi-agent systems for simulating spatial decision behaviors and land-use dynamics. *Science in China Series D: Earth Sciences*, **2006**, 49, 1184-1194		27
24	Inventory of mangrove wetlands in the Pearl River Estuary of China using remote sensing. *Journal of Chinese Geography*, **2006**, 16, 155-164	3.7	11

23	An extended cellular automaton using case-based reasoning for simulating urban development in a large complex region. *International Journal of Geographical Information Science*, **2006**, 20, 1109-1136	4.1	76
22	Errors and uncertainties in urban cellular automata. *Computers, Environment and Urban Systems*, **2006**, 30, 10-28	5.9	112
21	Integration of genetic algorithms and GIS for optimal location search. *International Journal of Geographical Information Science*, **2005**, 19, 581-601	4.1	88
20	Knowledge discovery for geographical cellular automata. *Science in China Series D: Earth Sciences*, **2005**, 48, 1758-1767		4
19	Data mining of cellular automata's transition rules. *International Journal of Geographical Information Science*, **2004**, 18, 723-744	4.1	129
18	Analyzing spatial restructuring of land use patterns in a fast growing region using remote sensing and GIS. *Landscape and Urban Planning*, **2004**, 69, 335-354	7.7	272
17	Simulation of Development Alternatives Using Neural Networks, Cellular Automata, and GIS for Urban Planning. *Photogrammetric Engineering and Remote Sensing*, **2003**, 69, 1043-1052	1.6	53
16	Decision Support for Sustainable Land Development **2002**, 73-98		
15	A Cellular Automata Model to Simulate Development Density for Urban Planning. *Environment and Planning B: Planning and Design*, **2002**, 29, 431-450		74
14	Neural-network-based cellular automata for simulating multiple land use changes using GIS. *International Journal of Geographical Information Science*, **2002**, 16, 323-343	4.1	558
13	Integration of principal components analysis and cellular automata for spatial decisionmaking and urban simulation. *Science in China Series D: Earth Sciences*, **2002**, 45, 521-529		14
12	Urban Simulation Using Neural Networks and Cellular Automata for Land Use Planning **2002**, 451-464		17
11	A Constrained CA Model for the Simulation and Planning of Sustainable Urban Forms by Using GIS. *Environment and Planning B: Planning and Design*, **2001**, 28, 733-753		124
10	Calibration of Cellular Automata by Using Neural Networks for the Simulation of Complex Urban Systems. *Environment and Planning A*, **2001**, 33, 1445-1462	2.7	99
9	Simulation of Compact Cities based on the Integration of Cellular Automata and GIS **2001**, 170-178		
8	Modelling sustainable urban development by the integration of constrained cellular automata and GIS. *International Journal of Geographical Information Science*, **2000**, 14, 131-152	4.1	435
7	Economic Development and Agricultural Land Loss in the Pearl River Delta, China. *Habitat International*, **1999**, 23, 373-390	4.6	199
6	Sustainable land development model for rapid growth areas using GIS. *International Journal of Geographical Information Science*, **1998**, 12, 169-189	4.1	107

LIST OF PUBLICATIONS

5	An integrated remote sensing and GIS approach in the monitoring and evaluation of rapid urban growth for sustainable development in the Pearl River Delta, China. *International Planning Studies*, **1997**, 2, 193-210	1.6	96
4	Does the Belt and Road Initiative Really Increase CO_2 Emissions?. *Annals of the American Association of Geographers*,1-20	2.6	0
3	Evolution of Urban Spatial Clusters in China: A Graph-Based Method Using Nighttime Light Data. *Annals of the American Association of Geographers*,1-22	2.6	7
2	Understanding the modifiable areal unit problem in dockless bike sharing usage and exploring the interactive effects of built environment factors. *International Journal of Geographical Information Science*,1-21	4.1	15
1	Intercity Population Migration Conditioned by City Industry Structures. *Annals of the American Association of Geographers*,1-20	2.6	2