Shaoying Li

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202 10,028 55 94 g-index

221 12,372 5.7 6.72 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
202	Neural-network-based cellular automata for simulating multiple land use changes using GIS. <i>International Journal of Geographical Information Science</i> , 2002 , 16, 323-343	4.1	558
201	A future land use simulation model (FLUS) for simulating multiple land use scenarios by coupling human and natural effects. <i>Landscape and Urban Planning</i> , 2017 , 168, 94-116	7.7	465
200	Modelling sustainable urban development by the integration of constrained cellular automata and GIS. <i>International Journal of Geographical Information Science</i> , 2000 , 14, 131-152	4.1	435
199	High-resolution multi-temporal mapping of global urban land using Landsat images based on the Google Earth Engine Platform. <i>Remote Sensing of Environment</i> , 2018 , 209, 227-239	13.2	306
198	Analyzing spatial restructuring of land use patterns in a fast growing region using remote sensing and GIS. <i>Landscape and Urban Planning</i> , 2004 , 69, 335-354	7.7	272
197	A new landscape index for quantifying urban expansion using multi-temporal remotely sensed data. <i>Landscape Ecology</i> , 2010 , 25, 671-682	4.3	242
196	Economic Development and Agricultural Land Loss in the Pearl River Delta, China. <i>Habitat International</i> , 1999 , 23, 373-390	4.6	199
195	Sensing spatial distribution of urban land use by integrating points-of-interest and Google Word2Vec model. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 825-848	4.1	190
194	A novel algorithm for land use and land cover classification using RADARSAT-2 polarimetric SAR data. <i>Remote Sensing of Environment</i> , 2012 , 118, 21-39	13.2	186
193	Simulating urban growth by integrating landscape expansion index (LEI) and cellular automata. <i>International Journal of Geographical Information Science</i> , 2014 , 28, 148-163	4.1	174
192	Cellular automata for simulating land use changes based on support vector machines. <i>Computers and Geosciences</i> , 2008 , 34, 592-602	4.5	164
191	Delineating multi-scenario urban growth boundaries with a CA-based FLUS model and morphological method. <i>Landscape and Urban Planning</i> , 2018 , 177, 47-63	7.7	149
190	Modeling urban land-use dynamics in a fast developing city using the modified logistic cellular automaton with a patch-based simulation strategy. <i>International Journal of Geographical Information Science</i> , 2014 , 28, 234-255	4.1	139
189	High-spatiotemporal-resolution mapping of global urban change from 1985 to 2015. <i>Nature Sustainability</i> , 2020 , 3, 564-570	22.1	133
188	A New Global Land-Use and Land-Cover Change Product at a 1-km Resolution for 2010 to 2100 Based on Human E nvironment Interactions. <i>Annals of the American Association of Geographers</i> , 2017 , 107, 1040-1059	2.6	131
187	A bottom-up approach to discover transition rules of cellular automata using ant intelligence. <i>International Journal of Geographical Information Science</i> , 2008 , 22, 1247-1269	4.1	130
186	Data mining of cellular automata's transition rules. <i>International Journal of Geographical Information Science</i> , 2004 , 18, 723-744	4.1	129

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185	Quantifying the relationship between urban forms and carbon emissions using panel data analysis. <i>Landscape Ecology</i> , 2013 , 28, 1889-1907	4.3	127
184	Simulating complex urban development using kernel-based non-linear cellular automata. <i>Ecological Modelling</i> , 2008 , 211, 169-181	3	127
183	Delineating urban functional areas with building-level social media data: A dynamic time warping (DTW) distance based k -medoids method. <i>Landscape and Urban Planning</i> , 2017 , 160, 48-60	7.7	125
182	Global projections of future urban land expansion under shared socioeconomic pathways. <i>Nature Communications</i> , 2020 , 11, 537	17.4	124
181	A Constrained CA Model for the Simulation and Planning of Sustainable Urban Forms by Using GIS. <i>Environment and Planning B: Planning and Design</i> , 2001 , 28, 733-753		124
180	Minimum Volume Simplex Analysis: A Fast Algorithm for Linear Hyperspectral Unmixing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5067-5082	8.1	118
179	Estimating the relationship between urban forms and energy consumption: A case study in the Pearl River Delta, 2005\(\textstyle{\textstyle{1}}\) 2008. Landscape and Urban Planning, 2011 , 102, 33-42	7.7	114
178	Errors and uncertainties in urban cellular automata. <i>Computers, Environment and Urban Systems</i> , 2006 , 30, 10-28	5.9	112
177	Sustainable land development model for rapid growth areas using GIS. <i>International Journal of Geographical Information Science</i> , 1998 , 12, 169-189	4.1	107
176	Calibration of Cellular Automata by Using Neural Networks for the Simulation of Complex Urban Systems. <i>Environment and Planning A</i> , 2001 , 33, 1445-1462	2.7	99
175	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. <i>International Planning Studies</i> , 1997 , 2, 193-210	1.6	96
174	Discovering and evaluating urban signatures for simulating compact development using cellular automata. <i>Landscape and Urban Planning</i> , 2008 , 86, 177-186	7.7	94
173	Monitoring mangrove forest changes using remote sensing and GIS data with decision-tree learning. <i>Wetlands</i> , 2008 , 28, 336-346	1.7	94
172	Using spatial information technologies to select sites for biomass power plants: A case study in Guangdong Province, China. <i>Biomass and Bioenergy</i> , 2008 , 32, 35-43	5.3	93
171	Simulating land-use dynamics under planning policies by integrating artificial immune systems with cellular automata. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 783-802	4.1	92
170	Spectral Spatial Classification of Hyperspectral Data Using Local and Global Probabilities for Mixed Pixel Characterization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 6298-6314	8.1	91
169	A multi-type ant colony optimization (MACO) method for optimal land use allocation in large areas. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 1325-1343	4.1	91
168	Embedding sustainable development strategies in agent-based models for use as a planning tool. <i>International Journal of Geographical Information Science</i> , 2008 , 22, 21-45	4.1	90

167	Projecting global urban land expansion and heat island intensification through 2050. <i>Environmental Research Letters</i> , 2019 , 14, 114037	6.2	89
166	Integration of genetic algorithms and GIS for optimal location search. <i>International Journal of Geographical Information Science</i> , 2005 , 19, 581-601	4.1	88
165	Capturing the varying effects of driving forces over time for the simulation of urban growth by using survival analysis and cellular automata. <i>Landscape and Urban Planning</i> , 2016 , 152, 59-71	7.7	83
164	Combining system dynamics and hybrid particle swarm optimization for land use allocation. <i>Ecological Modelling</i> , 2013 , 257, 11-24	3	80
163	An extended cellular automaton using case-based reasoning for simulating urban development in a large complex region. <i>International Journal of Geographical Information Science</i> , 2006 , 20, 1109-1136	4.1	76
162	Evaluation of NPP-VIIRS Nighttime Light Data for Mapping Global Fossil Fuel Combustion CO2 Emissions: A Comparison with DMSP-OLS Nighttime Light Data. <i>PLoS ONE</i> , 2015 , 10, e0138310	3.7	76
161	A Cellular Automata Model to Simulate Development Density for Urban Planning. <i>Environment and Planning B: Planning and Design</i> , 2002 , 29, 431-450		74
160	Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. Nature Communications, 2019, 10, 5558	17.4	72
159	Calibrating cellular automata based on landscape metrics by using genetic algorithms. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 594-613	4.1	71
158	Mapping global urban boundaries from the global artificial impervious area (GAIA) data. <i>Environmental Research Letters</i> , 2020 , 15, 094044	6.2	67
157	An improved artificial immune system for seeking the Pareto front of land-use allocation problem in large areas. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 922-946	4.1	66
156	Defining agents' behaviors to simulate complex residential development using multicriteria evaluation. <i>Journal of Environmental Management</i> , 2007 , 85, 1063-75	7.9	66
155	Monitoring the vegetation activity in China using vegetation health indices. <i>Agricultural and Forest Meteorology</i> , 2018 , 248, 215-227	5.8	64
154	Assessing the differences in net primary productivity between pre- and post-urban land development in China. <i>Agricultural and Forest Meteorology</i> , 2013 , 171-172, 174-186	5.8	64
153	Assessing the impacts of droughts on net primary productivity in China. <i>Journal of Environmental Management</i> , 2013 , 114, 362-71	7.9	64
152	A Normalized Urban Areas Composite Index (NUACI) Based on Combination of DMSP-OLS and MODIS for Mapping Impervious Surface Area. <i>Remote Sensing</i> , 2015 , 7, 17168-17189	5	63
151	Coupling urban cellular automata with ant colony optimization for zoning protected natural areas under a changing landscape. <i>International Journal of Geographical Information Science</i> , 2011 , 25, 575-593	3 ^{4.1}	62
150	Mapping fine-scale population distributions at the building level by integrating multisource geospatial big data. <i>International Journal of Geographical Information Science</i> , 2017 , 1-25	4.1	60

149	Integration of Convolutional Neural Networks and Object-Based Post-Classification Refinement for Land Use and Land Cover Mapping with Optical and SAR Data. <i>Remote Sensing</i> , 2019 , 11, 690	5	58	
148	Concepts, methodologies, and tools of an integrated geographical simulation and optimization system. <i>International Journal of Geographical Information Science</i> , 2011 , 25, 633-655	4.1	57	
147	Estimating spatiotemporal variations of city-level energy-related CO2 emissions: An improved disaggregating model based on vegetation adjusted nighttime light data. <i>Journal of Cleaner Production</i> , 2018 , 177, 101-114	10.3	55	
146	Parallel cellular automata for large-scale urban simulation using load-balancing techniques. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 803-820	4.1	54	
145	Simulation of Development Alternatives Using Neural Networks, Cellular Automata, and GIS for Urban Planning. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003 , 69, 1043-1052	1.6	53	
144	Tele-connecting China's future urban growth to impacts on ecosystem services under the shared socioeconomic pathways. <i>Science of the Total Environment</i> , 2019 , 652, 765-779	10.2	52	
143	Conflict resolution in the zoning of eco-protected areas in fast-growing regions based on game theory. <i>Journal of Environmental Management</i> , 2016 , 170, 177-85	7.9	50	
142	Automatic Registration of Multisensor Images Using an Integrated Spatial and Mutual Information (SMI) Metric. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 603-615	8.1	50	
141	Spatial distribution of agricultural residue from rice for potential biofuel production in China. <i>Biomass and Bioenergy</i> , 2008 , 32, 22-27	5.3	50	
140	Domain Adaption for Fine-Grained Urban Village Extraction From Satellite Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1430-1434	4.1	48	
139	Road Detection From Remote Sensing Images by Generative Adversarial Networks. <i>IEEE Access</i> , 2018 , 6, 25486-25494	3.5	47	
138	Simulating urban land-use changes at a large scale by integrating dynamic land parcel subdivision and vector-based cellular automata. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 2452-2479	4.1	47	
137	Stronger Contributions of Urbanization to Heat Wave Trends in Wet Climates. <i>Geophysical Research Letters</i> , 2018 , 45, 11,310	4.9	47	
136	Delimiting the urban growth boundaries with a modified ant colony optimization model. <i>Computers, Environment and Urban Systems</i> , 2017 , 62, 146-155	5.9	46	
135	Mining transition rules of cellular automata for simulating urban expansion by using the deep learning techniques. <i>International Journal of Geographical Information Science</i> , 2018 , 32, 2076-2097	4.1	46	
134	Intelligent GIS for solving high-dimensional site selection problems using ant colony optimization techniques. <i>International Journal of Geographical Information Science</i> , 2009 , 23, 399-416	4.1	44	
133	An Innovative Method to Classify Remote-Sensing Images Using Ant Colony Optimization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008 , 46, 4198-4208	8.1	44	
132	A modified particle swarm optimization algorithm for optimal allocation of earthquake emergency shelters. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 1643-1666	4.1	43	

131	Spatially varying impacts of built environment factors on rail transit ridership at station level: A case study in Guangzhou, China. <i>Journal of Transport Geography</i> , 2020 , 82, 102631	5.2	41
130	Discovery of transition rules for geographical cellular automata by using ant colony optimization. <i>Science in China Series D: Earth Sciences</i> , 2007 , 50, 1578-1588		40
129	Experiences and issues of using cellular automata for assisting urban and regional planning in China. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 1606-1629	4.1	38
128	Assessing the impacts of urban sprawl on net primary productivity using fusion of Landsat and MODIS data. <i>Science of the Total Environment</i> , 2018 , 613-614, 1417-1429	10.2	38
127	Simulation of pedestrian counter flow through bottlenecks by using an agent-based model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 2202-2211	3.3	37
126	Simulating urban growth boundaries using a patch-based cellular automaton with economic and ecological constraints. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 55-80	4.1	37
125	A three-component method for timely detection of land cover changes using polarimetric SAR images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015 , 107, 3-21	11.8	36
124	Mapping the fine-scale spatial pattern of housing rent in the metropolitan area by using online rental listings and ensemble learning. <i>Applied Geography</i> , 2016 , 75, 200-212	4.4	35
123	A genetic algorithm based wrapper feature selection method for classification of hyperspectral images using support vector machine 2008 ,		35
122	Integrating multi-source big data to infer building functions. <i>International Journal of Geographical Information Science</i> , 2017 , 1-20	4.1	34
121	Global difference in the relationships between tourism, economic growth, CO2 emissions, and primary energy consumption. <i>Current Issues in Tourism</i> , 2020 , 23, 1122-1137	5.8	34
120	Simulating urban land use change by integrating a convolutional neural network with vector-based cellular automata. <i>International Journal of Geographical Information Science</i> , 2020 , 34, 1475-1499	4.1	33
119	Simulating urban dynamics in China using a gradient cellular automata model based on S-shaped curve evolution characteristics. <i>International Journal of Geographical Information Science</i> , 2018 , 32, 73-1	o⁴r¹	33
118	Zoning farmland protection under spatial constraints by integrating remote sensing, GIS and artificial immune systems. <i>International Journal of Geographical Information Science</i> , 2011 , 25, 1829-184	8 ^{4.1}	32
117	The varying patterns of rail transit ridership and their relationships with fine-scale built environment factors: Big data analytics from Guangzhou. <i>Cities</i> , 2020 , 99, 102580	5.6	31
116	A maximum entropy method to extract urban land by combining MODIS reflectance, MODIS NDVI, and DMSP-OLS data. <i>International Journal of Remote Sensing</i> , 2014 , 35, 6708-6727	3.1	31
115	Early warning of illegal development for protected areas by integrating cellular automata with neural networks. <i>Journal of Environmental Management</i> , 2013 , 130, 106-16	7.9	30
114	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

113	Coupling Simulation and Optimization to Solve Planning Problems in a Fast-Developing Area. <i>Annals of the American Association of Geographers</i> , 2011 , 101, 1032-1048		29	
112	Large-scale ecological red line planning in urban agglomerations using a semi-automatic intelligent zoning method. <i>Sustainable Cities and Society</i> , 2019 , 46, 101410	10.1	29	
111	Impacts of Urban Expansion on Terrestrial Carbon Storage in China. <i>Environmental Science & Environmental Science & Technology</i> , 2019 , 53, 6834-6844	10.3	28	
110	An integrated approach of remote sensing, GIS and swarm intelligence for zoning protected ecological areas. <i>Landscape Ecology</i> , 2012 , 27, 447-463	4.3	28	
109	Genetic algorithms for determining the parameters of cellular automata in urban simulation. <i>Science in China Series D: Earth Sciences</i> , 2007 , 50, 1857-1866		28	
108	Cumulative Effects of Climatic Factors on Terrestrial Vegetation Growth. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 789-806	3.7	27	
107	Non-uniform time-lag effects of terrestrial vegetation responses to asymmetric warming. <i>Agricultural and Forest Meteorology</i> , 2018 , 252, 130-143	5.8	27	
106	Multi-agent systems for simulating spatial decision behaviors and land-use dynamics. <i>Science in China Series D: Earth Sciences</i> , 2006 , 49, 1184-1194		27	
105	Simulating Urban Form and Energy Consumption in the Pearl River Delta Under Different Development Strategies. <i>Annals of the American Association of Geographers</i> , 2013 , 103, 1567-1585		26	
104	Ant intelligence for solving optimal path-covering problems with multi-objectives. <i>International Journal of Geographical Information Science</i> , 2009 , 23, 839-857	4.1	26	
103	Exploring the response of net primary productivity variations to urban expansion and climate change: a scenario analysis for Guangdong Province in China. <i>Journal of Environmental Management</i> , 2015 , 150, 92-102	7.9	25	
102	Quantifying Spatiotemporal Dynamics of Urban Growth Modes in Metropolitan Cities of China: Beijing, Shanghai, Tianjin, and Guangzhou. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2017 , 143, 04016023	2.2	25	
101	Emergence of bottom-up models as a tool for landscape simulation and planning. <i>Landscape and Urban Planning</i> , 2011 , 100, 393-395	7.7	25	
100	Projections of land use changes under the plant functional type classification in different SSP-RCP scenarios in China. <i>Science Bulletin</i> , 2020 , 65, 1935-1947	10.6	25	
99	Simulating urban growth in a metropolitan area based on weighted urban flows by using web search engine. <i>International Journal of Geographical Information Science</i> , 2015 , 29, 1721-1736	4.1	24	
98	Exploring the effects of biophysical parameters on the spatial pattern of rare cold damage to mangrove forests. <i>Remote Sensing of Environment</i> , 2014 , 150, 20-33	13.2	24	
97	Domain adaptation for land use classification: A spatio-temporal knowledge reusing method. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 98, 133-144	11.8	24	
96	Multimodal registration of remotely sensed images based on Jeffrey divergence. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 122, 97-115	11.8	24	

95	Analyzing Parcel-Level Relationships between Urban Land Expansion and Activity Changes by Integrating Landsat and Nighttime Light Data. <i>Remote Sensing</i> , 2017 , 9, 164	5	22
94	Understanding the spatial organization of urban functions based on co-location patterns mining: A comparative analysis for 25 Chinese cities. <i>Cities</i> , 2020 , 97, 102563	5.6	22
93	Spatial and Temporal Dynamics of Urban Expansion along the Guangzhou f loshan Inter-City Rail Transit Corridor, China. <i>Sustainability</i> , 2018 , 10, 593	3.6	21
92	Scenario simulation of urban energy-related CO2 emissions by coupling the socioeconomic factors and spatial structures. <i>Applied Energy</i> , 2019 , 238, 1163-1178	10.7	20
91	Calibrating a Land Parcel Cellular Automaton (LP-CA) for urban growth simulation based on ensemble learning. <i>International Journal of Geographical Information Science</i> , 2017 , 31, 2480-2504	4.1	20
90	A Spatial-Socioeconomic Urban Development Status Curve from NPP-VIIRS Nighttime Light Data. <i>Remote Sensing</i> , 2019 , 11, 2398	5	19
89	A Matching Algorithm for Detecting Land Use Changes Using Case-Based Reasoning. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009 , 75, 1319-1332	1.6	19
88	Improved snow depth retrieval by integrating microwave brightness temperature and visible/infrared reflectance. <i>Remote Sensing of Environment</i> , 2015 , 156, 500-509	13.2	18
87	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. <i>Applied Geography</i> , 2013 , 45, 10-21	4.4	18
86	Global snow cover estimation with Microwave Brightness Temperature measurements and one-class in situ observations. <i>Remote Sensing of Environment</i> , 2016 , 182, 227-251	13.2	17
85	Knowledge transfer and adaptation for land-use simulation with a logistic cellular automaton. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 1829-1848	4.1	17
84	Urban Simulation Using Neural Networks and Cellular Automata for Land Use Planning 2002 , 451-464		17
83	Investigating the differentiated impacts of socioeconomic factors and urban forms on CO2 emissions: Empirical evidence from Chinese cities of different developmental levels. <i>Journal of Cleaner Production</i> , 2019 , 226, 601-614	10.3	16
82	Mapping Global Fossil Fuel Combustion CO2 Emissions at High Resolution by Integrating Nightlight, Population Density, and Traffic Network Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1674-1684	4.7	16
81	Assimilating process context information of cellular automata into change detection for monitoring land use changes. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 1667-	1 6 87	16
80	Assimilating multi-source remotely sensed data into a light use efficiency model for net primary productivity estimation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 72, 11-25	7.3	15
79	Simulation of spatial population dynamics based on labor economics and multi-agent systems: a case study on a rapidly developing manufacturing metropolis. <i>International Journal of Geographical Information Science</i> , 2013 , 27, 2410-2435	4.1	15
78	A Hybrid Framework for SpaceTime Modeling of Environmental Data. ???????????. <i>Geographical Analysis</i> , 2011 , 43, 188-210	2.9	15

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77	The Traj2Vec model to quantify residents patial trajectories and estimate the proportions of urban land-use types. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 193-211	4.1	15
76	Inferring the trip purposes and uncovering spatio-temporal activity patterns from dockless shared bike dataset in Shenzhen, China. <i>Journal of Transport Geography</i> , 2021 , 91, 102974	5.2	15
75	Understanding the modifiable areal unit problem in dockless bike sharing usage and exploring the interactive effects of built environment factors. <i>International Journal of Geographical Information Science</i> ,1-21	4.1	15
74	Monthly short-term detection of land development using RADARSAT-2 polarimetric SAR imagery. <i>Remote Sensing of Environment</i> , 2015 , 164, 179-196	13.2	14
73	GPU-CA model for large-scale land-use change simulation. <i>Science Bulletin</i> , 2012 , 57, 2442-2452		14
72	Integration of principal components analysis and cellular automata for spatial decisionmaking and urban simulation. <i>Science in China Series D: Earth Sciences</i> , 2002 , 45, 521-529		14
71	Measuring inter-city connectivity in an urban agglomeration based on multi-source data. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 1062-1081	4.1	14
70	Accurate Estimation of the Proportion of Mixed Land Use at the Street-Block Level by Integrating High Spatial Resolution Images and Geospatial Big Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 6357-6370	8.1	14
69	High-Resolution Gridded Population Projections for China Under the Shared Socioeconomic Pathways. <i>Earthls Future</i> , 2020 , 8, e2020EF001491	7.9	13
68	Defining agents' behaviour based on urban economic theory to simulate complex urban residential dynamics. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 1155-1172	4.1	13
67	Quantifying the spatial and temporal relationship between air and land surface temperatures of different land-cover types in Southeastern China. <i>International Journal of Remote Sensing</i> , 2017 , 38, 17	11 4 - 1 13	66 ¹²
66	Estimating terrestrial water storage changes in the Tarim River Basin using GRACE data. <i>Geophysical Journal International</i> , 2017 , 211, 1449-1460	2.6	12
65	Quantifying the teleconnections between local consumption and domestic land uses in China. <i>Landscape and Urban Planning</i> , 2019 , 187, 60-69	7.7	12
64	Multi-agent systems for simulating traffic behaviors. <i>Science Bulletin</i> , 2010 , 55, 293-300		12
63	Swarm intelligence for classification of remote sensing data. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 79-87		12
62	Driving factors of urban land growth in Guangzhou and its implications for sustainable development. <i>Frontiers of Earth Science</i> , 2019 , 13, 464-477	1.7	12
61	Automatic detection of sinkhole collapses at finer resolutions using a multi-component remote sensing approach. <i>Natural Hazards</i> , 2015 , 78, 1021-1044	3	11
60	Mapping the spatial disparities in urban health care services using taxi trajectories data. <i>Transactions in GIS</i> , 2018 , 22, 602-615	2.1	11

59	Inventory of mangrove wetlands in the Pearl River Estuary of China using remote sensing. <i>Journal of Chinese Geography</i> , 2006 , 16, 155-164	3.7	11
58	Will the Development of a High-Speed Railway Have Impacts on Land Use Patterns in China?. <i>Annals of the American Association of Geographers</i> , 2019 , 109, 979-1005	2.6	10
57	Epidemic Forest: A Spatiotemporal Model for Communicable Diseases. <i>Annals of the American Association of Geographers</i> , 2019 , 109, 812-836	2.6	10
56	What is the influence of landscape metric selection on the calibration of land-use/cover simulation models?. <i>Environmental Modelling and Software</i> , 2020 , 129, 104719	5.2	10
55	Knowledge Transfer for Large-Scale Urban Growth Modeling Based on Formal Concept Analysis. <i>Transactions in GIS</i> , 2016 , 20, 684-700	2.1	10
54	How to minimize the impacts of urban expansion on farmland loss: developing a few large or many small cities?. <i>Landscape Ecology</i> , 2020 , 35, 2487-2499	4.3	9
53	How Is Urban Greenness Spatially Associated with Dockless Bike Sharing Usage on Weekdays, Weekends, and Holidays?. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 238	2.9	9
52	A crop phenology knowledge-based approach for monthly monitoring of construction land expansion using polarimetric synthetic aperture radar imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017 , 133, 1-17	11.8	8
51	Clinical characteristics and prognosis of pediatric cryptococcosis in Beijing Children's Hospital, 2002-2014. <i>European Journal of Pediatrics</i> , 2017 , 176, 1235-1244	4.1	8
50	Projecting the future impacts of Chinal cropland balance policy on ecosystem services under the shared socioeconomic pathways. <i>Journal of Cleaner Production</i> , 2020 , 250, 119489	10.3	8
49	Investigation of the effect of the incidence angle on land cover classification using fully polarimetric SAR images. <i>International Journal of Remote Sensing</i> , 2019 , 40, 1576-1593	3.1	8
48	Modeling the dynamics and walking accessibility of urban open spaces under various policy scenarios. <i>Landscape and Urban Planning</i> , 2021 , 207, 103993	7.7	8
47	Global protected areas boost the carbon sequestration capacity: Evidences from econometric causal analysis. <i>Science of the Total Environment</i> , 2020 , 715, 137001	10.2	7
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