

# Yuji MURAYAMA

## 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.

108  
papers

3,938  
citations

36  
h-index

61  
g-index

112  
ext. papers

4,819  
ext. citations

4.3  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
108	Participatory GIS-Based Approach for the Demarcation of Village Boundaries and Their Utility: A Case Study of the Eastern Boundary of Wilpattu National Park, Sri Lanka. <i>ISPRS International Journal of Geo-Information</i> , <b>2022</b> , 11, 17	2.9	0
107	Ecosystem Services Monitoring in the Muthurajawela Marsh and Negombo Lagoon, Sri Lanka, for Sustainable Landscape Planning. <i>Sustainability</i> , <b>2021</b> , 13, 11463	3.6	0
106	Simulating Scenarios of Future Intra-Urban Land-Use Expansion Based on the Neural Network-Markov Model: A Case Study of Lusaka, Zambia. <i>Remote Sensing</i> , <b>2021</b> , 13, 942	5	6
105	Quantifying the Cooling Effect and Scale of Large Inner-City Lakes Based on Landscape Patterns: A Case Study of Hangzhou and Nanjing. <i>Remote Sensing</i> , <b>2021</b> , 13, 1526	5	3
104	Urban Heat Island Formation in Greater Cairo: Spatio-Temporal Analysis of Daytime and Nighttime Land Surface Temperatures along the Urban-Rural Gradient. <i>Remote Sensing</i> , <b>2021</b> , 13, 1396	5	9
103	Spatial Analysis of Urbanization Patterns in Four Rapidly Growing South Asian Cities Using Sentinel-2 Data. <i>Remote Sensing</i> , <b>2021</b> , 13, 1531	5	10
102	Effects of environmental factors on the behaviour and nest group sizes of Smith's bush squirrels, <i>Paraxerus cepapi</i> , in a Zambebian bioregion. <i>Mammalian Biology</i> , <b>2021</b> , 101, 555-566	1.6	
101	Impacts of Urbanization on the Muthurajawela Marsh and Negombo Lagoon, Sri Lanka: Implications for Landscape Planning towards a Sustainable Urban Wetland Ecosystem. <i>Remote Sensing</i> , <b>2021</b> , 13, 3165	5	15
100	Spatial Interconnections of Land Surface Temperatures with Land Cover/Use: A Case Study of Tokyo. <i>Remote Sensing</i> , <b>2021</b> , 13, 610	5	9
99	Geospatial Analysis of the Non-Surveyed (Estimated) Coastlines in Inohō Map, 1821. <i>ISPRS International Journal of Geo-Information</i> , <b>2021</b> , 10, 580	2.9	1
98	A GIS-Based Bivariate Logistic Regression Model for the Site-Suitability Analysis of Parcel-Pickup Lockers: A Case Study of Guangzhou, China. <i>ISPRS International Journal of Geo-Information</i> , <b>2021</b> , 10, 648	2.9	3
97	Understanding the Links between LULC Changes and SUHI in Cities: Insights from Two-Decadal Studies (2001-2020). <i>Remote Sensing</i> , <b>2021</b> , 13, 3654	5	5
96	Decision Tree Algorithms for Developing Rulesets for Object-Based Land Cover Classification. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 329	2.9	9
95	Optimal Location Analysis of Delivery Parcel-Pickup Points Using AHP and Network Huff Model: A Case Study of Shiweitang Sub-District in Guangzhou City, China. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 193	2.9	9
94	Spatiotemporal Analysis of Land Use/Cover Patterns and Their Relationship with Land Surface Temperature in Nanjing, China. <i>Remote Sensing</i> , <b>2020</b> , 12, 440	5	24
93	Impacts of Land Cover/Use on the Urban Thermal Environment: A Comparative Study of 10 Megacities in China. <i>Remote Sensing</i> , <b>2020</b> , 12, 307	5	24
92	Analysis of Life Quality in a Tropical Mountain City Using a Multi-Criteria Geospatial Technique: A Case Study of Kandy City, Sri Lanka. <i>Sustainability</i> , <b>2020</b> , 12, 2918	3.6	9

91	Spatial Analysis of Inoh's Map Using GIS with the Focus on National Land Changes over 200 Years in Japan. <i>Journal of Geography (Chigaku Zasshi)</i> , <b>2020</b> , 129, 215-226	0.5	5
90	Spatial Variation of Land Use/Cover Composition and Impact on Surface Urban Heat Island in a Tropical Sub-Saharan City of Accra, Ghana. <i>Sustainability</i> , <b>2020</b> , 12, 7953	3.6	10
89	Sentinel-2 Data for Land Cover/Use Mapping: A Review. <i>Remote Sensing</i> , <b>2020</b> , 12, 2291	5	100
88	Rodent Assemblages in the Mosaic of Habitat Types in the Zambebian Bioregion. <i>Diversity</i> , <b>2020</b> , 12, 3652.5	0	
87	Multi-Decadal Forest-Cover Dynamics in the Tropical Realm: Past Trends and Policy Insights for Forest Conservation in Dry Zone of Sri Lanka. <i>Forests</i> , <b>2020</b> , 11, 836	2.8	11
86	Spatial Process of Surface Urban Heat Island in Rapidly Growing Seoul Metropolitan Area for Sustainable Urban Planning Using Landsat Data (1996-2017). <i>Climate</i> , <b>2019</b> , 7, 110	3.1	23
85	Scenario-based modelling for urban sustainability focusing on changes in cropland under rapid urbanization: A case study of Hangzhou from 1990 to 2035. <i>Science of the Total Environment</i> , <b>2019</b> , 661, 422-431	10.2	33
84	Impact of Landscape Structure on the Variation of Land Surface Temperature in Sub-Saharan Region: A Case Study of Addis Ababa using Landsat Data (1986-2016). <i>Sustainability</i> , <b>2019</b> , 11, 2257	3.6	42
83	Spatial Analysis of Surface Urban Heat Islands in Four Rapidly Growing African Cities. <i>Remote Sensing</i> , <b>2019</b> , 11, 1645	5	71
82	Spatial Forecasting of the Landscape in Rapidly Urbanizing Hill Stations of South Asia: A Case Study of Nuwara Eliya, Sri Lanka (1996-2037). <i>Remote Sensing</i> , <b>2019</b> , 11, 1743	5	32
81	Land-Use/Land-Cover Changes and Their Impact on Surface Urban Heat Islands: Case Study of Kandy City, Sri Lanka. <i>Climate</i> , <b>2019</b> , 7, 99	3.1	47
80	The Impacts of Landscape Changes on Annual Mean Land Surface Temperature in the Tropical Mountain City of Sri Lanka: A Case Study of Nuwara Eliya (1996-2017). <i>Sustainability</i> , <b>2019</b> , 11, 5517	3.6	31
79	Bibliometric analysis of highly cited articles on ecosystem services. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210707	3.7	62
78	Impact of Urban Surface Characteristics and Socio-Economic Variables on the Spatial Variation of Land Surface Temperature in Lagos City, Nigeria. <i>Sustainability</i> , <b>2019</b> , 11, 25	3.6	29
77	Simultaneous comparison and assessment of eight remotely sensed maps of Philippine forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 67, 123-134	7.3	17
76	Spatiotemporal patterns of urban land use change in the rapidly growing city of Lusaka, Zambia: Implications for sustainable urban development. <i>Sustainable Cities and Society</i> , <b>2018</b> , 39, 262-274	10.1	55
75	Estimation of built-up and green volume using geospatial techniques: A case study of Surabaya, Indonesia. <i>Sustainable Cities and Society</i> , <b>2018</b> , 37, 581-593	10.1	12
74	Spatial Changes of Urban Heat Island Formation in the Colombo District, Sri Lanka: Implications for Sustainability Planning. <i>Sustainability</i> , <b>2018</b> , 10, 1367	3.6	48

73	Spatiotemporal Simulation of Future Land Use/Cover Change Scenarios in the Tokyo Metropolitan Area. <i>Sustainability</i> , <b>2018</b> , 10, 2056	3.6	36
72	Spatiotemporal Analysis of Land Use/Land Cover and Its Effects on Surface Urban Heat Island Using Landsat Data: A Case Study of Metropolitan City Tehran (1988-2018). <i>Sustainability</i> , <b>2018</b> , 10, 4433	3.6	62
71	Scenario-Based Simulation of Tianjin City Using a Cellular Automata/Markov Model. <i>Sustainability</i> , <b>2018</b> , 10, 2633	3.6	13
70	Quantifying Surface Urban Heat Island Formation in the World Heritage Tropical Mountain City of Sri Lanka. <i>ISPRS International Journal of Geo-Information</i> , <b>2018</b> , 7, 341	2.9	38
69	Relation between Urban Volume and Land Surface Temperature: A Comparative Study of Planned and Traditional Cities in Japan. <i>Sustainability</i> , <b>2018</b> , 10, 2366	3.6	38
68	Geospatial Analysis of Horizontal and Vertical Urban Expansion Using Multi-Spatial Resolution Data: A Case Study of Surabaya, Indonesia. <i>Remote Sensing</i> , <b>2018</b> , 10, 1599	5	17
67	An urban heat island study in Nanchang City, China based on land surface temperature and social-ecological variables. <i>Sustainable Cities and Society</i> , <b>2017</b> , 32, 557-568	10.1	117
66	Monitoring surface urban heat island formation in a tropical mountain city using Landsat data (1987-2015). <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2017</b> , 133, 18-29	11.8	113
65	An Internet-Based GIS Platform Providing Data for Visualization and Spatial Analysis of Urbanization in Major Asian and African Cities. <i>ISPRS International Journal of Geo-Information</i> , <b>2017</b> , 6, 257	2.9	12
64	Effects of landscape composition and pattern on land surface temperature: An urban heat island study in the megacities of Southeast Asia. <i>Science of the Total Environment</i> , <b>2017</b> , 577, 349-359	10.2	465
63	A worldwide country-based assessment of social-ecological status (c. 2010) using the social-ecological status index. <i>Ecological Indicators</i> , <b>2017</b> , 72, 605-614	5.8	17
62	Integrating Geospatial Techniques for Urban Land Use Classification in the Developing Sub-Saharan African City of Lusaka, Zambia. <i>ISPRS International Journal of Geo-Information</i> , <b>2017</b> , 6, 102	2.9	20
61	Change of Land Use/Cover in Tianjin City Based on the Markov and Cellular Automata Models. <i>ISPRS International Journal of Geo-Information</i> , <b>2017</b> , 6, 150	2.9	16
60	An Urban Heat Island Study of the Colombo Metropolitan Area, Sri Lanka, Based on Landsat Data (1997-2017). <i>ISPRS International Journal of Geo-Information</i> , <b>2017</b> , 6, 189	2.9	78
59	Spatiotemporal Analysis of Urban Growth Using GIS and Remote Sensing: A Case Study of the Colombo Metropolitan Area, Sri Lanka. <i>ISPRS International Journal of Geo-Information</i> , <b>2016</b> , 5, 197	2.9	52
58	Quantifying landscape pattern and ecosystem service value changes in four rapidly urbanizing hill stations of Southeast Asia. <i>Landscape Ecology</i> , <b>2016</b> , 31, 1481-1507	4.3	75
57	Spatiotemporal analysis of urban growth in three African capital cities: A grid-cell-based analysis using remote sensing data. <i>Journal of African Earth Sciences</i> , <b>2016</b> , 123, 381-391	2.2	27
56	Modeling deforestation in Dzalanyama Forest Reserve, Lilongwe, Malawi: a multi-agent simulation approach. <i>Geo Journal</i> , <b>2015</b> , 80, 743-757	2.2	9

55	Intensity and spatial pattern of urban land changes in the megacities of Southeast Asia. <i>Land Use Policy</i> , <b>2015</b> , 48, 213-222	5.6	83
54	Pixel-based and object-based classifications using high- and medium-spatial-resolution imageries in the urban and suburban landscapes. <i>Geocarto International</i> , <b>2015</b> , 30, 1113-1129	2.7	37
53	Person trip data browser, analyzer and space-time visualizer <b>2015</b> ,		5
52	Identification of Suitability of Sites for Microenterprises for Value Chain Development: A Study in Gazipur District, Bangladesh. <i>Growth and Change</i> , <b>2015</b> , 46, 274-291	2.3	
51	Classification and change detection of built-up lands from Landsat-7 ETM+ and Landsat-8 OLI/TIRS imageries: A comparative assessment of various spectral indices. <i>Ecological Indicators</i> , <b>2015</b> , 56, 205-217	5.8	104
50	Tsunami vulnerability assessment in the Southern Boso Peninsula, Japan. <i>International Journal of Disaster Risk Reduction</i> , <b>2014</b> , 10, 190-200	4.5	5
49	A geospatial approach for detecting and characterizing non-stationarity of land-change patterns and its potential effect on modeling accuracy. <i>GIScience and Remote Sensing</i> , <b>2014</b> , 51, 239-252	4.8	12
48	Measuring sustainability based upon various perspectives: a case study of a hill station in Southeast Asia. <i>Ambio</i> , <b>2014</b> , 43, 943-56	6.5	44
47	Social-ecological status index: A preliminary study of its structural composition and application. <i>Ecological Indicators</i> , <b>2014</b> , 43, 183-194	5.8	40
46	City Profile: Baguio. <i>Cities</i> , <b>2013</b> , 30, 240-251	5.6	18
45	Landscape pattern and ecosystem service value changes: Implications for environmental sustainability planning for the rapidly urbanizing summer capital of the Philippines. <i>Landscape and Urban Planning</i> , <b>2013</b> , 116, 60-72	7.7	139
44	Evaluation of land cover classification based on multispectral versus pansharpened landsat ETM+ imagery. <i>GIScience and Remote Sensing</i> , <b>2013</b> , 50, 458-472	4.8	11
43	Interdependences between Smallholder Farming and Environmental Management in Rural Malawi: A Case of Agriculture-Induced Environmental Degradation in Malingunde Extension Planning Area (EPA). <i>Land</i> , <b>2013</b> , 2, 158-175	3.5	10
42	Extending agent-based land-use/-cover change models to tropical deforestation: a focus on farm-based decision making in tropical subsistence farming. <i>International Journal of Geographical Information Science</i> , <b>2012</b> , 26, 1881-1895	4.1	2
41	GIS Network Model in Geospatial Analysis <b>2012</b> , 183-194		1
40	Scenario based urban growth allocation in Kathmandu Valley, Nepal. <i>Landscape and Urban Planning</i> , <b>2012</b> , 105, 140-148	7.7	106
39	Progress in Geospatial Analysis <b>2012</b> ,		11
38	Data Collection, Processing, and Applications for Geospatial Analysis <b>2012</b> , 29-48		2

37	Examining the potential impact of land use/cover changes on the ecosystem services of Baguio city, the Philippines: A scenario-based analysis. <i>Applied Geography</i> , <b>2012</b> , 35, 316-326	4.4	109
36	Land Suitability Assessment Using a Fuzzy Multi-Criteria Evaluation <b>2012</b> , 215-235		3
35	Prioritizing Areas for Rehabilitation by Monitoring Change in Barangay-Based Vegetation Cover. <i>ISPRS International Journal of Geo-Information</i> , <b>2012</b> , 1, 46-68	2.9	9
34	Land Use and Natural Resources Planning for Sustainable Ecotourism Using GIS in Surat Thani, Thailand. <i>Sustainability</i> , <b>2012</b> , 4, 412-429	3.6	46
33	Introduction: Geospatial Analysis <b>2012</b> , 1-9		4
32	Multi-layer Perceptron Neural Networks in Geospatial Analysis <b>2012</b> , 125-141		2
31	Urban Growth Modeling Using the Bayesian Probability Function <b>2012</b> , 197-214		
30	Watershed Evaluation Using Geospatial Techniques <b>2012</b> , 273-285		
29	Neighborhood Interaction in Urban Land-Use Changes Using Cellular Automata-Based Geo-Simulation <b>2012</b> , 237-251		
28	Web-Based Interactive Walkability Measurement Using Remote Sensing and Geographical Information Systems <b>2012</b> , 253-272		
27	Reservoir Sedimentation and Flood Control: Using a Geographical Information System to Estimate Sediment Yield of the Songwe River Watershed in Malawi. <i>Sustainability</i> , <b>2011</b> , 3, 254-269	3.6	11
26	Spatio-Temporal Urban Land Use/Cover Change Analysis in a Hill Station: The Case of Baguio City, Philippines. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 21, 326-335		20
25	Site Suitability Evaluation for Ecotourism Using GIS & AHP: A Case Study of Surat Thani Province, Thailand. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 21, 269-278		137
24	Land use/cover change detection and analysis for Dzalanyama forest reserve, Lilongwe, Malawi. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 21, 203-211		17
23	Modelling of urban green space walkability: Eco-friendly walk score calculator. <i>Computers, Environment and Urban Systems</i> , <b>2011</b> , 35, 408-420	5.9	68
22	Characteristics of neighborhood interaction in urban land-use changes: A comparative study between three metropolitan areas of Japan. <i>Journal of Chinese Geography</i> , <b>2011</b> , 21, 65-78	3.7	3
21	Urban growth modeling of Kathmandu metropolitan region, Nepal. <i>Computers, Environment and Urban Systems</i> , <b>2011</b> , 35, 25-34	5.9	78
20	Forecasting Areas Vulnerable to Forest Conversion in the Tam Dao National Park Region, Vietnam. <i>Remote Sensing</i> , <b>2010</b> , 2, 1249-1272	5	45

19	Drivers of urban growth in the Kathmandu valley, Nepal: Examining the efficacy of the analytic hierarchy process. <i>Applied Geography</i> , <b>2010</b> , 30, 70-83	4.4	168
18	Delineation of Suitable Cropland Areas Using a GIS Based Multi-Criteria Evaluation Approach in the Tam Dao National Park Region, Vietnam. <i>Sustainability</i> , <b>2010</b> , 2, 2024-2043	3.6	23
17	Modeling Spatial Processes of Urban Growth in African Cities: A Case Study of Nairobi City. <i>Urban Geography</i> , <b>2010</b> , 31, 259-272	2.4	38
16	Suitability Analysis for Beekeeping Sites in La Union, Philippines, Using GIS and Multi-Criteria Evaluation Techniques. <i>Research Journal of Applied Sciences</i> , <b>2010</b> , 5, 242-253	1	26
15	Examining Spatiotemporal Urbanization Patterns in Kathmandu Valley, Nepal: Remote Sensing and Spatial Metrics Approaches. <i>Remote Sensing</i> , <b>2009</b> , 1, 534-556	5	115
14	Analysis of Land Use/Cover Changes and Animal Population Dynamics in a Wildlife Sanctuary in East Africa. <i>Remote Sensing</i> , <b>2009</b> , 1, 952-970	5	27
13	The Application of GIS in Education Administration: Protecting Students from Hazardous Roads. <i>Transactions in GIS</i> , <b>2009</b> , 13, 105-123	2.1	4
12	A GIS Approach to Estimation of Building Population for Micro-spatial Analysis. <i>Transactions in GIS</i> , <b>2009</b> , 13, 401-414	2.1	67
11	Urban mapping, accuracy, & image classification: A comparison of multiple approaches in Tsukuba City, Japan. <i>Applied Geography</i> , <b>2009</b> , 29, 135-144	4.4	73
10	Kathmandu. <i>Cities</i> , <b>2008</b> , 25, 45-57	5.6	32
9	Land evaluation for peri-urban agriculture using analytical hierarchical process and geographic information system techniques: A case study of Hanoi. <i>Land Use Policy</i> , <b>2008</b> , 25, 225-239	5.6	126
8	Sea navigation, challenges and potentials in South East Asia: an assessment of suitable sites for a shipping canal in the South Thai Isthmus. <i>Geo Journal</i> , <b>2007</b> , 70, 161-172	2.2	6
7	American influence on Japanese human geography: A focus on the quantitative and GIS revolutions. <i>Geo Journal</i> , <b>2004</b> , 59, 73-76	2.2	4
6	The contribution of GIS to geographical research. <i>Geo Journal</i> , <b>2000</b> , 52, 163-164	2.2	1
5	Geography with GIS. <i>Geo Journal</i> , <b>2000</b> , 52, 165-171	2.2	2
4	Testing local spatial autocorrelation using k-order neighbours. <i>International Journal of Geographical Information Science</i> , <b>2000</b> , 14, 681-692	4.1	24
3	The impact of railways on accessibility in the Japanese urban system. <i>Journal of Transport Geography</i> , <b>1994</b> , 2, 87-100	5.2	46
2	On the spatiotemporal generalization of machine learning and ensemble models for simulating built-up land expansion. <i>Transactions in GIS</i> ,	2.1	2

Landscape Changes and their Impacts on Land Surface Temperature in Tropical Hill Stations in South Asia: A Case Study of Nuwara Eliya, Sri Lanka