

Yuji MURAYAMA

List of Publications by Citations

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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	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> , 2017 , 577, 349-359	10.2	465
107	Drivers of urban growth in the Kathmandu valley, Nepal: Examining the efficacy of the analytic hierarchy process. <i>Applied Geography</i> , 2010 , 30, 70-83	4.4	168
106	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> , 2013 , 116, 60-72	7.7	139
105	Site Suitability Evaluation for Ecotourism Using GIS & AHP: A Case Study of Surat Thani Province, Thailand. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 21, 269-278		137
104	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> , 2008 , 25, 225-239	5.6	126
103	An urban heat island study in Nanchang City, China based on land surface temperature and social-ecological variables. <i>Sustainable Cities and Society</i> , 2017 , 32, 557-568	10.1	117
102	Examining Spatiotemporal Urbanization Patterns in Kathmandu Valley, Nepal: Remote Sensing and Spatial Metrics Approaches. <i>Remote Sensing</i> , 2009 , 1, 534-556	5	115
101	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> , 2017 , 133, 18-29	11.8	113
100	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> , 2012 , 35, 316-326	4.4	109
99	Scenario based urban growth allocation in Kathmandu Valley, Nepal. <i>Landscape and Urban Planning</i> , 2012 , 105, 140-148	7.7	106
98	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> , 2015 , 56, 205-217	5.8	104
97	Sentinel-2 Data for Land Cover/Use Mapping: A Review. <i>Remote Sensing</i> , 2020 , 12, 2291	5	100
96	Intensity and spatial pattern of urban land changes in the megacities of Southeast Asia. <i>Land Use Policy</i> , 2015 , 48, 213-222	5.6	83
95	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> , 2017 , 6, 189	2.9	78
94	Urban growth modeling of Kathmandu metropolitan region, Nepal. <i>Computers, Environment and Urban Systems</i> , 2011 , 35, 25-34	5.9	78
93	Quantifying landscape pattern and ecosystem service value changes in four rapidly urbanizing hill stations of Southeast Asia. <i>Landscape Ecology</i> , 2016 , 31, 1481-1507	4.3	75
92	Urban mapping, accuracy, & image classification: A comparison of multiple approaches in Tsukuba City, Japan. <i>Applied Geography</i> , 2009 , 29, 135-144	4.4	73

91	Spatial Analysis of Surface Urban Heat Islands in Four Rapidly Growing African Cities. <i>Remote Sensing</i> , 2019 , 11, 1645	5	71
90	Modelling of urban green space walkability: Eco-friendly walk score calculator. <i>Computers, Environment and Urban Systems</i> , 2011 , 35, 408-420	5.9	68
89	A GIS Approach to Estimation of Building Population for Micro-spatial Analysis. <i>Transactions in GIS</i> , 2009 , 13, 401-414	2.1	67
88	Bibliometric analysis of highly cited articles on ecosystem services. <i>PLoS ONE</i> , 2019 , 14, e0210707	3.7	62
87	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> , 2018 , 10, 4433	3.6	62
86	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> , 2018 , 39, 262-274	10.1	55
85	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> , 2016 , 5, 197	2.9	52
84	Spatial Changes of Urban Heat Island Formation in the Colombo District, Sri Lanka: Implications for Sustainability Planning. <i>Sustainability</i> , 2018 , 10, 1367	3.6	48
83	Land-Use/Land-Cover Changes and Their Impact on Surface Urban Heat Islands: Case Study of Kandy City, Sri Lanka. <i>Climate</i> , 2019 , 7, 99	3.1	47
82	Land Use and Natural Resources Planning for Sustainable Ecotourism Using GIS in Surat Thani, Thailand. <i>Sustainability</i> , 2012 , 4, 412-429	3.6	46
81	The impact of railways on accessibility in the Japanese urban system. <i>Journal of Transport Geography</i> , 1994 , 2, 87-100	5.2	46
80	Forecasting Areas Vulnerable to Forest Conversion in the Tam Dao National Park Region, Vietnam. <i>Remote Sensing</i> , 2010 , 2, 1249-1272	5	45
79	Measuring sustainability based upon various perspectives: a case study of a hill station in Southeast Asia. <i>Ambio</i> , 2014 , 43, 943-56	6.5	44
78	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> , 2019 , 11, 2257	3.6	42
77	Socio-ecological status index: A preliminary study of its structural composition and application. <i>Ecological Indicators</i> , 2014 , 43, 183-194	5.8	40
76	Modeling Spatial Processes of Urban Growth in African Cities: A Case Study of Nairobi City. <i>Urban Geography</i> , 2010 , 31, 259-272	2.4	38
75	Quantifying Surface Urban Heat Island Formation in the World Heritage Tropical Mountain City of Sri Lanka. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 341	2.9	38
74	Relation between Urban Volume and Land Surface Temperature: A Comparative Study of Planned and Traditional Cities in Japan. <i>Sustainability</i> , 2018 , 10, 2366	3.6	38

73	Pixel-based and object-based classifications using high- and medium-spatial-resolution imageries in the urban and suburban landscapes. <i>Geocarto International</i> , 2015 , 30, 1113-1129	2.7	37
72	Spatiotemporal Simulation of Future Land Use/Cover Change Scenarios in the Tokyo Metropolitan Area. <i>Sustainability</i> , 2018 , 10, 2056	3.6	36
71	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> , 2019 , 661, 422-431	10.2	33
70	Spatial Forecasting of the Landscape in Rapidly Urbanizing Hill Stations of South Asia: A Case Study of Nuwara Eliya, Sri Lanka (1996-2017). <i>Remote Sensing</i> , 2019 , 11, 1743	5	32
69	Kathmandu. <i>Cities</i> , 2008 , 25, 45-57	5.6	32
68	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> , 2019 , 11, 5517	3.6	31
67	Impact of Urban Surface Characteristics and Socio-Economic Variables on the Spatial Variation of Land Surface Temperature in Lagos City, Nigeria. <i>Sustainability</i> , 2019 , 11, 25	3.6	29
66	Analysis of Land Use/Cover Changes and Animal Population Dynamics in a Wildlife Sanctuary in East Africa. <i>Remote Sensing</i> , 2009 , 1, 952-970	5	27
65	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> , 2016 , 123, 381-391	2.2	27
64	Suitability Analysis for Beekeeping Sites in La Union, Philippines, Using GIS and Multi-Criteria Evaluation Techniques. <i>Research Journal of Applied Sciences</i> , 2010 , 5, 242-253	1	26
63	Spatiotemporal Analysis of Land Use/Cover Patterns and Their Relationship with Land Surface Temperature in Nanjing, China. <i>Remote Sensing</i> , 2020 , 12, 440	5	24
62	Impacts of Land Cover/Use on the Urban Thermal Environment: A Comparative Study of 10 Megacities in China. <i>Remote Sensing</i> , 2020 , 12, 307	5	24
61	Testing local spatial autocorrelation using k-order neighbours. <i>International Journal of Geographical Information Science</i> , 2000 , 14, 681-692	4.1	24
60	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> , 2019 , 7, 110	3.1	23
59	Delineation of Suitable Cropland Areas Using a GIS Based Multi-Criteria Evaluation Approach in the Tam Dao National Park Region, Vietnam. <i>Sustainability</i> , 2010 , 2, 2024-2043	3.6	23
58	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> , 2017 , 6, 102	2.9	20
57	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> , 2011 , 21, 326-335		20
56	City Profile: Baguio. <i>Cities</i> , 2013 , 30, 240-251	5.6	18

55	Simultaneous comparison and assessment of eight remotely sensed maps of Philippine forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 67, 123-134	7.3	17
54	A worldwide country-based assessment of social-ecological status (c. 2010) using the social-ecological status index. <i>Ecological Indicators</i> , 2017 , 72, 605-614	5.8	17
53	Land use/cover change detection and analysis for Dzalanyama forest reserve, Lilongwe, Malawi. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 21, 203-211		17
52	Geospatial Analysis of Horizontal and Vertical Urban Expansion Using Multi-Spatial Resolution Data: A Case Study of Surabaya, Indonesia. <i>Remote Sensing</i> , 2018 , 10, 1599	5	17
51	Change of Land Use/Cover in Tianjin City Based on the Markov and Cellular Automata Models. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 150	2.9	16
50	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> , 2021 , 13, 316 ⁵		15
49	Scenario-Based Simulation of Tianjin City Using a Cellular Automata Markov Model. <i>Sustainability</i> , 2018 , 10, 2633	3.6	13
48	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> , 2017 , 6, 257	2.9	12
47	Estimation of built-up and green volume using geospatial techniques: A case study of Surabaya, Indonesia. <i>Sustainable Cities and Society</i> , 2018 , 37, 581-593	10.1	12
46	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> , 2014 , 51, 239-252	4.8	12
45	Progress in Geospatial Analysis 2012 ,		11
44	Evaluation of land cover classification based on multispectral versus pansharpened landsat ETM+ imagery. <i>GIScience and Remote Sensing</i> , 2013 , 50, 458-472	4.8	11
43	Reservoir Sedimentation and Flood Control: Using a Geographical Information System to Estimate Sediment Yield of the Songwe River Watershed in Malawi. <i>Sustainability</i> , 2011 , 3, 254-269	3.6	11
42	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> , 2020 , 11, 836	2.8	11
41	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> , 2013 , 2, 158-175	3.5	10
40	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> , 2020 , 12, 7953	3.6	10
39	Spatial Analysis of Urbanization Patterns in Four Rapidly Growing South Asian Cities Using Sentinel-2 Data. <i>Remote Sensing</i> , 2021 , 13, 1531	5	10
38	Modeling deforestation in Dzalanyama Forest Reserve, Lilongwe, Malawi: a multi-agent simulation approach. <i>Geo Journal</i> , 2015 , 80, 743-757	2.2	9

37	Decision Tree Algorithms for Developing Rulesets for Object-Based Land Cover Classification. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 329	2.9	9
36	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> , 2020 , 9, 193	2.9	9
35	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> , 2020 , 12, 2918	3.6	9
34	Prioritizing Areas for Rehabilitation by Monitoring Change in Barangay-Based Vegetation Cover. <i>ISPRS International Journal of Geo-Information</i> , 2012 , 1, 46-68	2.9	9
33	Urban Heat Island Formation in Greater Cairo: Spatio-Temporal Analysis of Daytime and Nighttime Land Surface Temperatures along the UrbanRural Gradient. <i>Remote Sensing</i> , 2021 , 13, 1396	5	9
32	Spatial Interconnections of Land Surface Temperatures with Land Cover/Use: A Case Study of Tokyo. <i>Remote Sensing</i> , 2021 , 13, 610	5	9
31	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> , 2007 , 70, 161-172	2.2	6
30	Simulating Scenarios of Future Intra-Urban Land-Use Expansion Based on the Neural NetworkMarkov Model: A Case Study of Lusaka, Zambia. <i>Remote Sensing</i> , 2021 , 13, 942	5	6
29	Person trip data browser, analyzer and space-time visualizer 2015 ,		5
28	Tsunami vulnerability assessment in the Southern Boso Peninsula, Japan. <i>International Journal of Disaster Risk Reduction</i> , 2014 , 10, 190-200	4.5	5
27	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> , 2020 , 129, 215-226	0.5	5
26	Understanding the Links between LULC Changes and SUHI in Cities: Insights from Two-Decadal Studies (2001-2020). <i>Remote Sensing</i> , 2021 , 13, 3654	5	5
25	The Application of GIS in Education Administration: Protecting Students from Hazardous Roads. <i>Transactions in GIS</i> , 2009 , 13, 105-123	2.1	4
24	American influence on Japanese human geography: A focus on the quantitative and GIS revolutions. <i>Geo Journal</i> , 2004 , 59, 73-76	2.2	4
23	Introduction: Geospatial Analysis 2012 , 1-9		4
22	Land Suitability Assessment Using a Fuzzy Multi-Criteria Evaluation 2012 , 215-235		3
21	Characteristics of neighborhood interaction in urban land-use changes: A comparative study between three metropolitan areas of Japan. <i>Journal of Chinese Geography</i> , 2011 , 21, 65-78	3.7	3
20	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> , 2021 , 13, 1526	5	3

19	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> , 2021 , 10, 648	2.9	3
18	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> , 2012 , 26, 1881-1895	4.1	2
17	Data Collection, Processing, and Applications for Geospatial Analysis 2012 , 29-48		2
16	Geography with GIS. <i>Geo Journal</i> , 2000 , 52, 165-171	2.2	2
15	On the spatiotemporal generalization of machine learning and ensemble models for simulating built-up land expansion. <i>Transactions in GIS</i> ,	2.1	2
14	Landscape Changes and their Impacts on Land Surface Temperature in Tropical Hill Stations in South Asia: A Case Study of Nuwara Eliya, Sri Lanka		2
13	Multi-layer Perceptron Neural Networks in Geospatial Analysis 2012 , 125-141		2
12	GIS Network Model in Geospatial Analysis 2012 , 183-194		1
11	The contribution of GIS to geographical research. <i>Geo Journal</i> , 2000 , 52, 163-164	2.2	1
10	Geospatial Analysis of the Non-Surveyed (Estimated) Coastlines in Inohŕ Map, 1821. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 580	2.9	1
9	Ecosystem Services Monitoring in the Muthurajawela Marsh and Negombo Lagoon, Sri Lanka, for Sustainable Landscape Planning. <i>Sustainability</i> , 2021 , 13, 11463	3.6	0
8	Rodent Assemblages in the Mosaic of Habitat Types in the Zambebian Bioregion. <i>Diversity</i> , 2020 , 12, 3652.5		0
7	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> , 2022 , 11, 17	2.9	0
6	Identification of Suitability of Sites for Microenterprises for Value Chain Development: A Study in Gazipur District, Bangladesh. <i>Growth and Change</i> , 2015 , 46, 274-291	2.3	
5	Urban Growth Modeling Using the Bayesian Probability Function 2012 , 197-214		
4	Watershed Evaluation Using Geospatial Techniques 2012 , 273-285		
3	Neighborhood Interaction in Urban Land-Use Changes Using Cellular Automata-Based Geo-Simulation 2012 , 237-251		
2	Web-Based Interactive Walkability Measurement Using Remote Sensing and Geographical Information Systems 2012 , 253-272		

- 1 Effects of environmental factors on the behaviour and nest group sizes of Smith's bush squirrels, *Paraxerus cepapi*, in a Zambezian bioregion. *Mammalian Biology*, **2021**, 101, 555-566 1.6