

# Woo-Kyun Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

168  
papers

2,769  
citations

218381

26  
h-index

253896

43  
g-index

171  
all docs

171  
docs citations

171  
times ranked

2795  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Detection of individual trees and estimation of tree height using LiDAR data. <i>Journal of Forest Research</i> , 2007, 12, 425-434.   | 0.7 | 192       |
| 2  | Long-term trend and correlation between vegetation greenness and climate variables in Asia based on satellite data. <i>Science of the Total Environment</i> , 2018, 618, 1089-1095.      | 3.9 | 130       |
| 3  | Assessment of land cover change and desertification using remote sensing technology in a local region of Mongolia. <i>Advances in Space Research</i> , 2016, 57, 64-77.                  | 1.2 | 120       |
| 4  | Understanding global PM2.5 concentrations and their drivers in recent decades (1998–2016). <i>Environment International</i> , 2020, 144, 106011.   | 4.8 | 112       |
| 5  | Land Use and Land Cover Change Detection and Prediction in the Kathmandu District of Nepal Using Remote Sensing and GIS. <i>Sustainability</i> , 2020, 12, 3925.                         | 1.6 | 92        |
| 6  | Multi-Temporal Analysis of Forest Fire Probability Using Socio-Economic and Environmental Variables. <i>Remote Sensing</i> , 2019, 11, 86.   | 1.8 | 88        |
| 7  | Modeling stem profiles for <i>Pinus densiflora</i> in Korea. <i>Forest Ecology and Management</i> , 2003, 172, 69-77.  | 1.4 | 64        |
| 8  | Estimating Crown Variables of Individual Trees Using Airborne and Terrestrial Laser Scanners. <i>Remote Sensing</i> , 2011, 3, 2346-2363.  | 1.8 | 61        |
| 9  | Influences of forest tending works on carbon distribution and cycling in a <i>Pinus densiflora</i> S. et Z. stand in Korea. <i>Forest Ecology and Management</i> , 2009, 257, 1420-1426. | 1.4 | 56        |
| 10 | Allometric equations for estimating the aboveground volume of five common urban street tree species in Daegu, Korea. <i>Urban Forestry and Urban Greening</i> , 2013, 12, 344-349.       | 2.3 | 56        |
| 11 | Hyperspectral Analysis of Pine Wilt Disease to Determine an Optimal Detection Index. <i>Forests</i> , 2018, 9, 115.  | 0.9 | 56        |
| 12 | DBH growth model for <i>Pinus densiflora</i> and <i>Quercus variabilis</i> mixed forests in central Korea. <i>Ecological Modelling</i> , 2004, 176, 187-200.                             | 1.2 | 48        |
| 13 | Forest Cover Classification by Optimal Segmentation of High Resolution Satellite Imagery. <i>Sensors</i> , 2011, 11, 1943-1958.  | 2.1 | 48        |
| 14 | Influence of stand density on soil CO <sub>2</sub> efflux for a <i>Pinus densiflora</i> forest in Korea. <i>Journal of Plant Research</i> , 2010, 123, 411-419.                          | 1.2 | 46        |
| 15 | Estimating stem volume and biomass of <i>Pinus koraiensis</i> using LiDAR data. <i>Journal of Plant Research</i> , 2010, 123, 421-432.   | 1.2 | 43        |
| 16 | Effect of National-Scale Afforestation on Forest Water Supply and Soil Loss in South Korea, 1971–2010. <i>Sustainability</i> , 2017, 9, 1017.  | 1.6 | 41        |
| 17 | Determining the Effect of Green Spaces on Urban Heat Distribution Using Satellite Imagery. <i>Asian Journal of Atmospheric Environment</i> , 2012, 6, 127-135.                           | 0.4 | 39        |
| 18 | Spatial assessment of ecosystem functions and services for air purification of forests in South Korea. <i>Environmental Science and Policy</i> , 2016, 63, 27-34.                        | 2.4 | 36        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Economic viability of the national-scale forestation program: The case of success in the Republic of Korea. <i>Ecosystem Services</i> , 2018, 29, 40-46.   | 2.3 | 33        |
| 20 | Socio-Ecological Niche and Factors Affecting Agroforestry Practice Adoption in Different Agroecologies of Southern Tigray, Ethiopia. <i>Sustainability</i> , 2019, 11, 3729.   | 1.6 | 32        |
| 21 | Can satellite-based data substitute for surveyed data to predict the spatial probability of forest fire? A geostatistical approach to forest fire in the Republic of Korea. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 719-739.      | 2.0 | 32        |
| 22 | Decoupling of forest water supply and agricultural water demand attributable to deforestation in North Korea. <i>Journal of Environmental Management</i> , 2019, 248, 109256.  | 3.8 | 30        |
| 23 | Estimating the spatial pattern of human-caused forest fires using a generalized linear mixed model with spatial autocorrelation in South Korea. <i>International Journal of Geographical Information Science</i> , 2012, 26, 1589-1602.          | 2.2 | 29        |
| 24 | Monitoring of Vegetation Dynamics in the Mongolia Using MODIS NDVIs and their Relationship to Rainfall by Natural Zone. <i>Journal of the Indian Society of Remote Sensing</i> , 2015, 43, 325-337.  | 1.2 | 28        |
| 25 | Assessing Climate Change Impact on Forest Habitat Suitability and Diversity in the Korean Peninsula. <i>Forests</i> , 2018, 9, 259.  | 0.9 | 28        |
| 26 | Fine Root Dynamics in Thinned and Limed Pitch Pine and Japanese Larch Plantations. <i>Journal of Plant Nutrition</i> , 2007, 30, 1821-1839.  | 0.9 | 27        |
| 27 | Understanding global spatio-temporal trends and the relationship between vegetation greenness and climate factors by land cover during 1982-2014. <i>Global Ecology and Conservation</i> , 2020, 24, e01299.                                     | 1.0 | 27        |
| 28 | Impact of Deforestation on Agro-Environmental Variables in Cropland, North Korea. <i>Sustainability</i> , 2017, 9, 1354.   | 1.6 | 26        |
| 29 | Application of the Savitzky-Golay Filter to Land Cover Classification Using Temporal MODIS Vegetation Indices. <i>Photogrammetric Engineering and Remote Sensing</i> , 2014, 80, 675-685.  | 0.3 | 25        |
| 30 | Comparison of spatial interpolation techniques for predicting climate factors in Korea. <i>Forest Science and Technology</i> , 2010, 6, 97-109.  | 0.3 | 24        |
| 31 | An assessment of climate change impacts and adaptation in South Asian agriculture. <i>International Journal of Climate Change Strategies and Management</i> , 2017, 9, 517-534.  | 1.5 | 24        |
| 32 | Estimation of forest carbon budget from land cover change in South and North Korea between 1981 and 2010. <i>Journal of Plant Biology</i> , 2014, 57, 225-238.   | 0.9 | 22        |
| 33 | Correlation between Desertification and Environmental Variables Using Remote Sensing Techniques in Hogno Khaan, Mongolia. <i>Sustainability</i> , 2017, 9, 581.  | 1.6 | 22        |
| 34 | Assessing environmentally sensitive land to desertification using MEDALUS method in Mongolia. <i>Forest Science and Technology</i> , 2019, 15, 210-220.  | 0.3 | 22        |
| 35 | Deep Learning Applications on Multitemporal SAR (Sentinel-1) Image Classification Using Confined Labeled Data: The Case of Detecting Rice Paddy in South Korea. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7589-7601. | 2.7 | 22        |
| 36 | Modeling stand-level mortality based on maximum stem number and seasonal temperature. <i>Forest Ecology and Management</i> , 2017, 386, 37-50.   | 1.4 | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Forest management can mitigate negative impacts of climate and land-use change on plant biodiversity: Insights from the Republic of Korea. <i>Journal of Environmental Management</i> , 2021, 288, 112400.            | 3.8 | 20        |
| 38 | Estimation of carbon storage based on individual tree detection in <i>Pinus densiflora</i> stands using a fusion of aerial photography and LiDAR data. <i>Science China Life Sciences</i> , 2010, 53, 885-897.        | 2.3 | 19        |
| 39 | Estimation of Voxel-Based Above-Ground Biomass Using Airborne LiDAR Data in an Intact Tropical Rain Forest, Brunei. <i>Forests</i> , 2016, 7, 259.  | 0.9 | 19        |
| 40 | Impact of thinning intensity on the diameter and height growth of <i>Larix kaempferi</i> stands in central Korea. <i>Forest Science and Technology</i> , 2016, 12, 77-87.   | 0.3 | 19        |
| 41 | Estimation of future carbon budget with climate change and reforestation scenario in North Korea. <i>Advances in Space Research</i> , 2016, 58, 1002-1016.  | 1.2 | 19        |
| 42 | Hydrological Response of Dry Afromontane Forest to Changes in Land Use and Land Cover in Northern Ethiopia. <i>Remote Sensing</i> , 2019, 11, 1905.   | 1.8 | 19        |
| 43 | Spatio-temporal change in forest cover and carbon storage considering actual and potential forest cover in South Korea. <i>Science China Life Sciences</i> , 2015, 58, 713-723.                                       | 2.3 | 18        |
| 44 | Assessing vulnerability of forests to climate change in South Korea. <i>Journal of Forestry Research</i> , 2016, 27, 489-503.   | 1.7 | 18        |
| 45 | Chemical accident hazard assessment by spatial analysis of chemical factories and accident records in South Korea. <i>International Journal of Disaster Risk Reduction</i> , 2018, 27, 37-47.                         | 1.8 | 18        |
| 46 | Identifying potential vegetation establishment areas on the dried Aral Sea floor using satellite images. <i>Land Degradation and Development</i> , 2020, 31, 2749-2762.   | 1.8 | 18        |
| 47 | Changes in the distribution of South Korean forest vegetation simulated using thermal gradient indices. <i>Science China Life Sciences</i> , 2010, 53, 784-797.   | 2.3 | 17        |
| 48 | Developing spatial agricultural drought risk index with controllable geo-spatial indicators: A case study for South Korea and Kazakhstan. <i>International Journal of Disaster Risk Reduction</i> , 2021, 54, 102056. | 1.8 | 17        |
| 49 | Conservation, Restoration, and Sustainable Use of Biodiversity Based on Habitat Quality Monitoring: A Case Study on Jeju Island, South Korea (1989-2019). <i>Land</i> , 2021, 10, 774.                                | 1.2 | 17        |
| 50 | Geostatistical analysis of regional differences in stem taper form of <i>Pinus densiflora</i> in central Korea. <i>Ecological Research</i> , 2006, 21, 513-525.   | 0.7 | 16        |
| 51 | Assessing the impacts of topographic and climatic factors on radial growth of major forest forming tree species of South Korea. <i>Forest Ecology and Management</i> , 2017, 404, 269-279.                            | 1.4 | 16        |
| 52 | Assessment of Agricultural Drought Considering the Hydrological Cycle and Crop Phenology in the Korean Peninsula. <i>Water (Switzerland)</i> , 2019, 11, 1105.  | 1.2 | 16        |
| 53 | Estimation of the Virtual Water Content of Main Crops on the Korean Peninsula Using Multiple Regional Climate Models and Evapotranspiration Methods. <i>Sustainability</i> , 2017, 9, 1172.                           | 1.6 | 15        |
| 54 | Estimation of the ecosystem carbon budget in South Korea between 1999 and 2008. <i>Ecological Research</i> , 2013, 28, 1045-1059.   | 0.7 | 14        |

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|----|--|-----|-----------|
| 55 | Spatial and Temporal Analysis of Dry and Wet Spells in Upper Awash River Basin, Ethiopia. <i>Water (Switzerland)</i> , 2020, 12, 3051.   | 1.2 | 14        |
| 56 | The necessity and availability of noise-free daily satellite-observed NDVI during rapid phenological changes in terrestrial ecosystems in East Asia. <i>Forest Science and Technology</i> , 2011, 7, 174-183.            | 0.3 | 13        |
| 57 | Studying Air Pollutants Origin and Associated Meteorological Parameters over Seoul from 2000 to 2009. <i>Advances in Meteorology</i> , 2015, 2015, 1-12.   | 0.6 | 13        |
| 58 | Quantifying Impacts of National-Scale Afforestation on Carbon Budgets in South Korea from 1961 to 2014. <i>Forests</i> , 2019, 10, 579.  | 0.9 | 13        |
| 59 | Rainfall Characterization and Trend Analysis of Wet Spell Length across Varied Landscapes of the Upper Awash River Basin, Ethiopia. <i>Sustainability</i> , 2020, 12, 9221.  | 1.6 | 13        |
| 60 | Spatiotemporal multi-index analysis of desertification in dry Afromontane forests of northern Ethiopia. <i>Environment, Development and Sustainability</i> , 2021, 23, 423-450.  | 2.7 | 13        |
| 61 | Enhancing the provisioning of ecosystem services in South Korea under climate change: The benefits and pitfalls of current forest management strategies. <i>Regional Environmental Change</i> , 2021, 21, 1.             | 1.4 | 13        |
| 62 | Evaluation and Comparison of Satellite-Derived Estimates of Rainfall in the Diverse Climate and Terrain of Central and Northeastern Ethiopia. <i>Remote Sensing</i> , 2021, 13, 1275.                                    | 1.8 | 13        |
| 63 | Habitat Quality Valuation Using InVEST Model in Jeju Island. <i>Journal of the Korea Society of Environmental Restoration Technology</i> , 2015, 18, 1-11.   | 0.1 | 13        |
| 64 | Estimating plot volume using lidar height and intensity distributional parameters. <i>International Journal of Remote Sensing</i> , 2014, 35, 4601-4629.   | 1.3 | 12        |
| 65 | Development of an Integrated DBH Estimation Model Based on Stand and Climatic Conditions. <i>Forests</i> , 2018, 9, 155.   | 0.9 | 12        |
| 66 | Assessment of Drought Severity on Cropland in Korea Peninsula using Normalized Precipitation Evapotranspiration Index (NPEI). <i>Journal of Climate Change Research</i> , 2015, 6, 223.                                  | 0.1 | 12        |
| 67 | Spatial assessment of land degradation using <scp>MEDALUS</scp> focusing on potential afforestation and reforestation areas in Ethiopia. <i>Land Degradation and Development</i> , 2022, 33, 79-93.                      | 1.8 | 12        |
| 68 | Comparison of Sampling and Wall-to-Wall Methodologies for Reporting the GHG Inventory of the LULUCF Sector in Korea. <i>Journal of Climate Change Research</i> , 2018, 9, 385-398.                                       | 0.1 | 12        |
| 69 | Can a national afforestation plan achieve simultaneous goals of biodiversity and carbon enhancement? Exploring optimal decision making using multi-spatial modeling. <i>Biological Conservation</i> , 2022, 267, 109474. | 1.9 | 12        |
| 70 | Long-term trend of and correlation between vegetation greenness and climate variables in Asia based on satellite data. <i>MethodsX</i> , 2018, 5, 803-807.   | 0.7 | 11        |
| 71 | Drought monitoring of the wetland in the Tumen River Basin between 1991 and 2016 using Landsat TM/ETM+. <i>International Journal of Remote Sensing</i> , 2019, 40, 1445-1459.  | 1.3 | 11        |
| 72 | Developing an Adaptive Pathway to Mitigate Air Pollution Risk for Vulnerable Groups in South Korea. <i>Sustainability</i> , 2020, 12, 1790.  | 1.6 | 11        |

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|----|---|-----|-----------|
| 73 | Evaluation for Damaged Degree of Vegetation by Forest Fire using Lidar and a Digital Aerial Photograph. Photogrammetric Engineering and Remote Sensing, 2010, 76, 277-287.                          | 0.3 | 10        |
| 74 | Spatially Explicit Assessment of Agricultural Water Equilibrium in the Korean Peninsula. Sustainability, 2018, 10, 201.   | 1.6 | 10        |
| 75 | Determining economically viable forest management option with consideration of ecosystem services in Korea: A strategy after successful national forestation. Ecosystem Services, 2020, 41, 101053. | 2.3 | 10        |
| 76 | Integrating Satellite Rainfall Estimates with Hydrological Water Balance Model: Rainfall-Runoff Modeling in Awash River Basin, Ethiopia. Water (Switzerland), 2021, 13, 800.                        | 1.2 | 10        |
| 77 | Assessing the EPIC Model for Estimation of Future Crops Yield in South Korea. Journal of Climate Change Research, 2015, 6, 21.  | 0.1 | 10        |
| 78 | Responses of Agroecosystems to Climate Change: Specifics of Resilience in the Mid-Latitude Region. Sustainability, 2017, 9, 1361.   | 1.6 | 9         |
| 79 | Sustainable Management of Carbon Sequestration Service in Areas with High Development Pressure: Considering Land Use Changes and Carbon Costs. Sustainability, 2019, 11, 5116.                      | 1.6 | 9         |
| 80 | Sustainable Water Security Based on the SDG Framework: A Case Study of the 2019 Metro Manila Water Crisis. Sustainability, 2020, 12, 6860.  | 1.6 | 9         |
| 81 | Vulnerability Assessment for Forest Ecosystem to Climate Change Based on Spatio-temporal Information. Korean Journal of Remote Sensing, 2012, 28, 159-169.  | 0.4 | 9         |
| 82 | Predicting distributional change of forest cover and volume in future climate of South Korea. Forest Science and Technology, 2012, 8, 105-115.  | 0.3 | 8         |
| 83 | RGB-NDVI color composites for monitoring the change in mangrove area at the Maubesi Nature Reserve, Indonesia. Forest Science and Technology, 2013, 9, 171-179.                                     | 0.3 | 8         |
| 84 | Small-scale spatial variability of soil properties in a Korean swamp. Landscape and Ecological Engineering, 2015, 11, 303-312.  | 0.7 | 8         |
| 85 | Assessing Forest Ecosystems across the Vertical Edge of the Mid-Latitude Ecotone Using the BioGeoChemistry Management Model (BGC-MAN). Forests, 2019, 10, 523.                                      | 0.9 | 8         |
| 86 | A review of forest fire and policy response for resilient adaptation under changing climate in the Eastern Himalayan region. Forest Science and Technology, 2021, 17, 180-188.                      | 0.3 | 8         |
| 87 | Development on Crop Yield Forecasting Model for Major Vegetable Crops using Meteorological Information of Main Production Area. Journal of Climate Change Research, 2016, 7, 193.                   | 0.1 | 8         |
| 88 | Application of integrated Korean forest growth dynamics model to meet NDC target by considering forest management scenarios and budget. Carbon Balance and Management, 2022, 17, .                  | 1.4 | 8         |
| 89 | Assessment of land-cover change using GIS and remotely-sensed data: A case study in Ain Snoussi area of northern Tunisia. Forest Science and Technology, 2011, 7, 75-81.                            | 0.3 | 7         |
| 90 | Desertification monitoring by LANDSAT TM satellite imagery. Forest Science and Technology, 2011, 7, 110-116.  | 0.3 | 7         |

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|-----|--|-----|-----------|
| 91  | Detecting and cleaning outliers for robust estimation of variogram models in insect count data. <i>Ecological Research</i> , 2012, 27, 1-13.   | 0.7 | 7         |
| 92  | Classification of Global Land Development Phases by Forest and GDP Changes for Appropriate Land Management in the Mid-Latitude. <i>Sustainability</i> , 2017, 9, 1342.   | 1.6 | 7         |
| 93  | Development of a Screening Method for Health Hazard Ranking and Scoring of Chemicals Using the Mahalanobis-Taguchi System. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2208.                      | 1.2 | 7         |
| 94  | Restoration Plan for Degraded Forest in The Democratic People's Republic of Korea Considering Suitable Tree Species and Spatial Distribution. <i>Sustainability</i> , 2018, 10, 856.   | 1.6 | 7         |
| 95  | A Holistic View of Soils in Delivering Ecosystem Services in Forests: A Case Study in South Korea. <i>Forests</i> , 2019, 10, 487.   | 0.9 | 7         |
| 96  | Assessing Socio-Economic Impacts of Agricultural Subsidies: A Case Study from Bhutan. <i>Sustainability</i> , 2019, 11, 3266.  | 1.6 | 7         |
| 97  | Climate Change Impact on Korean Forest and Forest Management Strategies. <i>Hangug Hwangyeong Saengmul Haghoeji</i> , 2017, 35, 413-425.   | 0.1 | 7         |
| 98  | Applicability Analysis of FAO56 Penman-Monteith Methodology for Estimating Potential Evapotranspiration in Andong Dam Watershed Using Limited Meteorological Data. <i>Journal of Climate Change Research</i> , 2017, 8, 125-143.           | 0.1 | 7         |
| 99  | Carbon stocks and its variations with topography in an intact lowland mixed dipterocarp forest in Brunei. <i>Journal of Ecology and Environment</i> , 2015, 38, 75-84.   | 1.6 | 7         |
| 100 | How Do Nature-Based Solutions Improve Environmental and Socio-Economic Resilience to Achieve the Sustainable Development Goals? Reforestation and Afforestation Cases from the Republic of Korea. <i>Sustainability</i> , 2021, 13, 12171. | 1.6 | 7         |
| 101 | Analysis and prediction of the spatial distribution of EPT (Ephemeroptera, Plecoptera, and Trichoptera) assemblages in the Han River watershed in Korea. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 613-625.                    | 0.4 | 6         |
| 102 | Integrated Approaches for National Ecosystem Assessment in South Korea. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1634-1641.  | 0.9 | 6         |
| 103 | Inferring the potential impact of human activities on evapotranspiration in the Tumen River Basin based on LANDSAT imagery and historical statistics. <i>Land Degradation and Development</i> , 2021, 32, 926-935.                         | 1.8 | 6         |
| 104 | Phenological Classification Using Deep Learning and the Sentinel-2 Satellite to Identify Priority Afforestation Sites in North Korea. <i>Remote Sensing</i> , 2021, 13, 2946.  | 1.8 | 6         |
| 105 | Estimation of Future Land Cover Considering Shared Socioeconomic Pathways using Scenario Generators. <i>Journal of Climate Change Research</i> , 2018, 9, 223-234.   | 0.1 | 6         |
| 106 | Estimation of Vegetation Carbon Budget in South Korea using Ecosystem Model and Spatio-temporal Environmental Information. <i>Korean Journal of Remote Sensing</i> , 2012, 28, 145-157.  | 0.4 | 6         |
| 107 | Pilot Study and Development of Activity Data for Greenhouse Gas Inventory of Settlement Categories in Korea: A Case of Incheon Seo-gu. <i>Journal of Climate Change Research</i> , 2020, 11, 187-196.                                      | 0.1 | 6         |
| 108 | Estimation of effective plant area index for South Korean forests using LiDAR system. <i>Science China Life Sciences</i> , 2010, 53, 898-908.  | 2.3 | 5         |



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|-----|---|-----|-----------|
| 109 | Vulnerability Assessment of Forest Ecosystem to Climate Change in Korea Using MC1 Model(Special) Tj ETQq1 1 0.784314 rgBT /Qv   | 0.1 | 5         |
| 110 | Influence of forest tending (Soopkakkugi) works on litterfall and nutrient inputs in a <i>Pinus densiflora</i> stand. Forest Science and Technology, 2012, 8, 83-88.  | 0.3 | 5         |
| 111 | Estimating carbon stocks in Korean forests between 2010 and 2110: a prediction based on forest volume-age relationships. Forest Science and Technology, 2013, 9, 105-110.   | 0.3 | 5         |
| 112 | Applicability Analysis of Vegetation Condition and Dryness for Sand and Dust Storm (SDS) Risk Reduction in SDS Source and Receptor Region. Sustainability, 2020, 12, 7256.  | 1.6 | 5         |
| 113 | Species- and elevation-dependent productivity changes in East Asian temperate forests. Environmental Research Letters, 2020, 15, 034012.  | 2.2 | 5         |
| 114 | Assessing Climate Change Impact on Cropland Suitability in Kyrgyzstan: Where Are Potential High-Quality Cropland and the Way to the Future. Agronomy, 2021, 11, 1490.   | 1.3 | 5         |
| 115 | Feasibility of Vegetation Temperature Condition Index for monitoring desertification in Bulgan, Mongolia. Korean Journal of Remote Sensing, 2013, 29, 621-629.  | 0.4 | 5         |
| 116 | Assessing Effects of Shortening Final Cutting Age on Future CO <sub>2</sub> Absorption of Forest in Korea. Journal of Climate Change Research, 2016, 7, 157.  | 0.1 | 5         |
| 117 | Comparative Analysis on the Sequestration of CO <sub>2</sub> Depending on Spatial Ranges for Estimating Greenhouse Gas Inventory in Settlement : In Case of Seoul. Journal of Climate Change Research, 2021, 12, 767-776. | 0.1 | 5         |
| 118 | Development of earth observational diagnostic drought prediction model for regional error calibration: A case study on agricultural drought in Kyrgyzstan. GIScience and Remote Sensing, 2022, 59, 36-53.                 | 2.4 | 5         |
| 119 | Forest plot volume estimation using National Forest Inventory, Forest Type Map and Airborne LiDAR data. Forest Science and Technology, 2012, 8, 89-98.  | 0.3 | 4         |
| 120 | Litter decomposition and nutrient dynamics following forest tending (Soopkakkugi) works in a <i>Pinus densiflora</i> stand. Forest Science and Technology, 2012, 8, 99-104.   | 0.3 | 4         |
| 121 | Unconstrained approach for isolating individual trees using high-resolution aerial imagery. International Journal of Remote Sensing, 2014, 35, 89-114.  | 1.3 | 4         |
| 122 | Selecting and applying quantification models for ecosystem services to forest ecosystems in South Korea. Journal of Forestry Research, 2016, 27, 1373-1384.   | 1.7 | 4         |
| 123 | Risk hotspot of chemical accidents based on spatial analysis in Ulsan, South Korea. Safety Science, 2020, 123, 104544.  | 2.6 | 4         |
| 124 | Assessment of Forest Degradation and Carbon Storage for REDD+ Project in North Korea. Hangug Hwangyeong Saengmul Haghoeji, 2016, 34, 1-7.   | 0.1 | 4         |
| 125 | Development of Forest Activity Data and Forest Management Rate for National Greenhouse Gas Inventory in the Forest Sector. Journal of Climate Change Research, 2020, 11, 53-63.   | 0.1 | 4         |
| 126 | Estimating the Soil Carbon Stocks for a <i>Pinus densiflora</i> Forest Using the Soil Carbon Model, Yasso. Journal of Ecology and Environment, 2009, 32, 47-53.   | 1.6 | 4         |



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|-----|--|-----|-----------|
| 127 | Automated Individual Tree Detection and Crown Delineation Using High Spatial Resolution RGB Aerial Imagery. <i>Korean Journal of Remote Sensing</i> , 2011, 27, 703-715.   | 0.4 | 4         |
| 128 | Potential Distribution of Endangered Coniferous Tree Species under Climate Change. <i>Journal of Climate Change Research</i> , 2020, 11, 215-226.  | 0.1 | 4         |
| 129 | Landscape pattern and climate dynamics effects on ecohydrology and implications for runoff management: case of a dry Afromontane forest in northern Ethiopia. <i>Geocarto International</i> , 2022, 37, 12466-12487. | 1.7 | 4         |
| 130 | Mapping forest functions using GIS at plateau area, Laos. <i>Forest Science and Technology</i> , 2009, 5, 57-61.   | 0.3 | 3         |
| 131 | Application of CASI Hyperspectral Image to Analysis of the Distribution of Hydrogen-Fluoride-Damaged Vegetation in Gumi, Korea. <i>Journal of the Indian Society of Remote Sensing</i> , 2017, 45, 317-326.          | 1.2 | 3         |
| 132 | Developing UAV-Based Forest Spatial Information and Evaluation Technology for Efficient Forest Management. <i>Sustainability</i> , 2020, 12, 10150.  | 1.6 | 3         |
| 133 | Analysis on the Linkage between SDGs Framework and Forest Policy in Korea. <i>Journal of Climate Change Research</i> , 2017, 8, 425-442.   | 0.1 | 3         |
| 134 | Forest Canopy Density Estimation Using Airborne Hyperspectral Data. <i>Korean Journal of Remote Sensing</i> , 2012, 28, 297-305.   | 0.4 | 3         |
| 135 | Changes in Air Temperature and Surface Temperature of Crop Leaf and Soil. <i>Journal of Climate Change Research</i> , 2015, 6, 209.  | 0.1 | 3         |
| 136 | Application of deep learning algorithm for estimating stand volume in South Korea. <i>Journal of Applied Remote Sensing</i> , 2022, 16, .  | 0.6 | 3         |
| 137 | A forest planning model for continuous employment in a forested village with primarily young stands in Korea. <i>New Forests</i> , 2005, 29, 15-32.  | 0.7 | 2         |
| 138 | A GIS based study on spatial characteristics of wild boar movement. <i>Forest Science and Technology</i> , 2007, 3, 78-84.   | 0.3 | 2         |
| 139 | Forest structure and carbon dynamics of an intact lowland mixed dipterocarp forest in Brunei Darussalam. <i>Journal of Forestry Research</i> , 2018, 29, 199-203.  | 1.7 | 2         |
| 140 | Analysis of Developmental Chronology of South Korean Compressed Growth as a Reference from Sustainable Development Perspectives. <i>Sustainability</i> , 2021, 13, 1905.   | 1.6 | 2         |
| 141 | Detecting Individual Tree Position and Height Using Airborne LiDAR Data in Chollipo Arboretum, South Korea. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 593.                                    | 0.3 | 2         |
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