

# Andrew K Skidmore

## List of Publications by Citations

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366  
papers

21,616  
citations

71  
h-index

134  
g-index

383  
ext. papers

25,389  
ext. citations

5.9  
avg, IF

7.01  
L-index

#	Paper	IF	Citations
366	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. <i>Ecography</i> , <b>2013</b> , 36, 27-46	6.5	4125
365	Improved monitoring of vegetation dynamics at very high latitudes: A new method using MODIS NDVI. <i>Remote Sensing of Environment</i> , <b>2006</b> , 100, 321-334	13.2	587
364	Where is positional uncertainty a problem for species distribution modelling?. <i>Ecography</i> , <b>2014</b> , 37, 191-203	5.0	506
363	. <i>Ecology</i> , <b>2003</b> , 84, 337-350	4.6	489
362	Narrow band vegetation indices overcome the saturation problem in biomass estimation. <i>International Journal of Remote Sensing</i> , <b>2004</b> , 25, 3999-4014	3.1	448
361	Spectral discrimination of vegetation types in a coastal wetland. <i>Remote Sensing of Environment</i> , <b>2003</b> , 85, 92-108	13.2	393
360	Modelling topographic variation in solar radiation in a GIS environment. <i>International Journal of Geographical Information Science</i> , <b>1997</b> , 11, 475-497	4.1	368
359	Inversion of a radiative transfer model for estimating vegetation LAI and chlorophyll in a heterogeneous grassland. <i>Remote Sensing of Environment</i> , <b>2008</b> , 112, 2592-2604	13.2	345
358	A new technique for extracting the red edge position from hyperspectral data: The linear extrapolation method. <i>Remote Sensing of Environment</i> , <b>2006</b> , 101, 181-193	13.2	338
357	Allometric equations for estimating the above-ground biomass in tropical lowland Dipterocarp forests. <i>Forest Ecology and Management</i> , <b>2009</b> , 257, 1684-1694	3.9	323
356	LAI and chlorophyll estimation for a heterogeneous grassland using hyperspectral measurements. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2008</b> , 63, 409-426	11.8	271
355	Estimation of green grass/herb biomass from airborne hyperspectral imagery using spectral indices and partial least squares regression. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2007</b> , 9, 414-424	7.3	261
354	Environmental science: Agree on biodiversity metrics to track from space. <i>Nature</i> , <b>2015</b> , 523, 403-5	50.4	260
353	Predicting in situ pasture quality in the Kruger National Park, South Africa, using continuum-removed absorption features. <i>Remote Sensing of Environment</i> , <b>2004</b> , 89, 393-408	13.2	218
352	Digital Earth 2020: towards the vision for the next decade. <i>International Journal of Digital Earth</i> , <b>2012</b> , 5, 4-21	3.9	199
351	Next-generation Digital Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 11088-94	11.5	197
350	Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions. <i>Remote Sensing in Ecology and Conservation</i> , <b>2016</b> , 2, 122-131	5.3	184

349	A comparison of techniques for calculating gradient and aspect from a gridded digital elevation model. <i>International Journal of Geographical Information Science</i> , <b>1989</b> , 3, 323-334	4.1	155
348	Red edge shift and biochemical content in grass canopies. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2007</b> , 62, 34-42	11.8	154
347	Generating Pit-free Canopy Height Models from Airborne Lidar. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2014</b> , 80, 863-872	1.6	151
346	Building essential biodiversity variables (EBVs) of species distribution and abundance at a global scale. <i>Biological Reviews</i> , <b>2018</b> , 93, 600-625	13.5	145
345	Mapping grassland leaf area index with airborne hyperspectral imagery: A comparison study of statistical approaches and inversion of radiative transfer models. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2011</b> , 66, 894-906	11.8	136
344	Spatial heterogeneity and irreversible vegetation change in semiarid grazing systems. <i>American Naturalist</i> , <b>2002</b> , 159, 209-18	3.7	129
343	An explanation of enhanced radar backscattering from flooded forests. <i>International Journal of Remote Sensing</i> , <b>1987</b> , 8, 1093-1100	3.1	128
342	Tropical mangrove species discrimination using hyperspectral data: A laboratory study. <i>Estuarine, Coastal and Shelf Science</i> , <b>2005</b> , 65, 371-379	2.9	123
341	Derivation of the red edge index using the MERIS standard band setting. <i>International Journal of Remote Sensing</i> , <b>2002</b> , 23, 3169-3184	3.1	120
340	Population trends of large non-migratory wild herbivores and livestock in the Masai Mara ecosystem, Kenya, between 1977 and 1997. <i>African Journal of Ecology</i> , <b>2000</b> , 38, 202-216	0.8	118
339	Forage quality of savannas [Simultaneously mapping foliar protein and polyphenols for trees and grass using hyperspectral imagery. <i>Remote Sensing of Environment</i> , <b>2010</b> , 114, 64-72	13.2	114
338	Interannual variability of NDVI and species richness in Kenya. <i>International Journal of Remote Sensing</i> , <b>2002</b> , 23, 285-298	3.1	114
337	Regional estimation of savanna grass nitrogen using the red-edge band of the spaceborne RapidEye sensor. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2012</b> , 19, 151-162	7.3	113
336	Integrating imaging spectroscopy and neural networks to map grass quality in the Kruger National Park, South Africa. <i>Remote Sensing of Environment</i> , <b>2004</b> , 90, 104-115	13.2	113
335	Exploring spectral discrimination of grass species in African rangelands. <i>International Journal of Remote Sensing</i> , <b>2001</b> , 22, 3421-3434	3.1	112
334	Comparing accuracy assessments to infer superiority of image classification methods. <i>International Journal of Remote Sensing</i> , <b>2006</b> , 27, 223-232	3.1	111
333	Identifying plant species using mid-wave infrared (2.5-14 $\mu$ m) and thermal infrared (8-14 $\mu$ m) emissivity spectra. <i>Remote Sensing of Environment</i> , <b>2012</b> , 118, 95-102	13.2	107
332	Spatial autocorrelation and the scaling of species-environment relationships. <i>Ecology</i> , <b>2010</b> , 91, 2455-65	4.6	103

331	Hyperspectral band depth analysis for a better estimation of grass biomass ( <i>Cenchrus ciliaris</i> ) measured under controlled laboratory conditions. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2004</b> , 5, 87-96	7.3	103
330	Concurrent monitoring of vessels and water turbidity enhances the strength of evidence in remotely sensed dredging impact assessment. <i>Water Research</i> , <b>2007</b> , 41, 3271-80	12.5	101
329	Comparative analysis of different retrieval methods for mapping grassland leaf area index using airborne imaging spectroscopy. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 43, 19-31	7.3	100
328	New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 39, 142-159	7.3	100
327	Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. <i>Ecological Indicators</i> , <b>2016</b> , 70, 317-339	5.8	100
326	Towards global data products of Essential Biodiversity Variables on species traits. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1531-1540	12.3	100
325	Vegetation phenology from Sentinel-2 and field cameras for a Dutch barrier island. <i>Remote Sensing of Environment</i> , <b>2018</b> , 215, 517-529	13.2	98
324	Soil erosion dynamics response to landscape pattern. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 1358-66.2	6.2	97
323	A hyperspectral band selector for plant species discrimination. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2007</b> , 62, 225-235	11.8	96
322	Capturing the fugitive: Applying remote sensing to terrestrial animal distribution and diversity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2007</b> , 9, 1-20	7.3	96
321	Discriminating tropical grass ( <i>Cenchrus ciliaris</i> ) canopies grown under different nitrogen treatments using spectroradiometry. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2003</b> , 57, 263-272	11.8	93
320	Plant phenolics and absorption features in vegetation reflectance spectra near 1.66 $\mu$ m. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 43, 55-83	7.3	90
319	Long-term vegetation landscape pattern with non-point source nutrient pollution in upper stream of Yellow River basin. <i>Journal of Hydrology</i> , <b>2010</b> , 389, 373-380	6	90
318	Estimating tropical pasture quality at canopy level using band depth analysis with continuum removal in the visible domain. <i>International Journal of Remote Sensing</i> , <b>2005</b> , 26, 1093-1108	3.1	90
317	Nitrogen detection with hyperspectral normalized ratio indices across multiple plant species. <i>International Journal of Remote Sensing</i> , <b>2005</b> , 26, 4083-4095	3.1	90
316	Spatio-temporal dynamics of global H5N1 outbreaks match bird migration patterns. <i>Geospatial Health</i> , <b>2009</b> , 4, 65-78	2.2	89
315	Estimation of vegetation LAI from hyperspectral reflectance data: Effects of soil type and plant architecture. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2008</b> , 10, 358-373	7.3	89
314	Mapping Coastal Vegetation Using an Expert System and Hyperspectral Imagery. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2004</b> , 70, 703-715	1.6	88

313	Soil erosion and sediment yield and their relationships with vegetation cover in upper stream of the Yellow River. <i>Science of the Total Environment</i> , <b>2010</b> , 409, 396-403	10.2	87
312	Terrain position as mapped from a gridded digital elevation model. <i>International Journal of Geographical Information Science</i> , <b>1990</b> , 4, 33-49	4.1	86
311	Monitoring biodiversity change through effective global coordination. <i>Current Opinion in Environmental Sustainability</i> , <b>2017</b> , 29, 158-169	7.2	83
310	Comparative analysis of different uni- and multi-variate methods for estimation of vegetation water content using hyper-spectral measurements. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2014</b> , 26, 1-11	7.3	82
309	Continuum removed band depth analysis for detecting the effects of natural gas, methane and ethane on maize reflectance. <i>Remote Sensing of Environment</i> , <b>2006</b> , 105, 262-270	13.2	81
308	Earth observation as a tool for tracking progress towards the Aichi Biodiversity Targets. <i>Remote Sensing in Ecology and Conservation</i> , <b>2015</b> , 1, 19-28	5.3	80
307	Water and nutrients alter herbaceous competitive effects on tree seedlings in a semi-arid savanna. <i>Journal of Ecology</i> , <b>2009</b> , 97, 430-439	6	80
306	Simple and robust methods for remote sensing of canopy chlorophyll content: a comparative analysis of hyperspectral data for different types of vegetation. <i>Plant, Cell and Environment</i> , <b>2016</b> , 39, 2609-2623	8.4	80
305	Mapping spatio-temporal variation of grassland quantity and quality using MERIS data and the PROSAIL model. <i>Remote Sensing of Environment</i> , <b>2012</b> , 121, 415-425	13.2	79
304	Leaf Area Index derivation from hyperspectral vegetation indices and the red edge position. <i>International Journal of Remote Sensing</i> , <b>2009</b> , 30, 6199-6218	3.1	77
303	Retrieval of leaf water content spanning the visible to thermal infrared spectra. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2014</b> , 93, 56-64	11.8	76
302	Integration of classification methods for improvement of land-cover map accuracy. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2002</b> , 56, 257-268	11.8	76
301	Water-removed spectra increase the retrieval accuracy when estimating savanna grass nitrogen and phosphorus concentrations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2011</b> , 66, 408-417	11.8	75
300	Estimating leaf functional traits by inversion of PROSPECT: Assessing leaf dry matter content and specific leaf area in mixed mountainous forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2016</b> , 45, 66-76	7.3	74
299	Applicability of the PROSPECT model for estimating protein and cellulose + lignin in fresh leaves. <i>Remote Sensing of Environment</i> , <b>2015</b> , 168, 205-218	13.2	73
298	Use of an expert system to map forest soils from a geographical information system. <i>International Journal of Geographical Information Science</i> , <b>1991</b> , 5, 431-445	4.1	72
297	Dry season mapping of savanna forage quality, using the hyperspectral Carnegie Airborne Observatory sensor. <i>Remote Sensing of Environment</i> , <b>2011</b> , 115, 1478-1488	13.2	71
296	A ground-validated NDVI dataset for monitoring vegetation dynamics and mapping phenology in Fennoscandia and the Kola peninsula. <i>International Journal of Remote Sensing</i> , <b>2007</b> , 28, 4311-4330	3.1	71

295	Important LiDAR metrics for discriminating forest tree species in Central Europe. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 137, 163-174	11.8	70
294	Spatial autocorrelation in predictors reduces the impact of positional uncertainty in occurrence data on species distribution modelling. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 1497-1509	4.1	70
293	The spatial scaling of habitat selection by African elephants. <i>Journal of Animal Ecology</i> , <b>2011</b> , 80, 270-81	4.7	69
292	Tracing glacial refugia of Triturus newts based on mitochondrial DNA phylogeography and species distribution modeling. <i>Frontiers in Zoology</i> , <b>2013</b> , 10, 13	2.8	68
291	Hyperspectral analysis of mangrove foliar chemistry using PLSR and support vector regression. <i>International Journal of Remote Sensing</i> , <b>2013</b> , 34, 1724-1743	3.1	68
290	An accurate retrieval of leaf water content from mid to thermal infrared spectra using continuous wavelet analysis. <i>Science of the Total Environment</i> , <b>2012</b> , 437, 145-52	10.2	68
289	Identifying habitat patches and potential ecological corridors for remnant Asiatic black bear ( <i>Ursus thibetanus japonicus</i> ) populations in Japan. <i>Ecological Modelling</i> , <b>2011</b> , 222, 748-761	3	68
288	Non-linear partial least square regression increases the estimation accuracy of grass nitrogen and phosphorus using in situ hyperspectral and environmental data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 82, 27-40	11.8	64
287	Effect of slope on treetop detection using a LiDAR Canopy Height Model. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 104, 44-52	11.8	63
286	Elephant movement closely tracks precipitation-driven vegetation dynamics in a Kenyan forest-savanna landscape. <i>Movement Ecology</i> , <b>2014</b> , 2, 2	4.6	63
285	Remotely sensed estimation of forest canopy density: A comparison of the performance of four methods. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2006</b> , 8, 84-95	7.3	63
284	Potential of Sentinel-2 spectral configuration to assess rangeland quality. <i>Journal of Applied Remote Sensing</i> , <b>2015</b> , 9, 094096	1.4	61
283	Vegetation NDVI Linked to Temperature and Precipitation in the Upper Catchments of Yellow River. <i>Environmental Modeling and Assessment</i> , <b>2012</b> , 17, 389-398	2	60
282	The response of elephants to the spatial heterogeneity of vegetation in a Southern African agricultural landscape. <i>Landscape Ecology</i> , <b>2005</b> , 20, 217-234	4.3	58
281	Comparison of MODIS and Landsat TM5 images for mapping temporal dynamics of Secchi disk depths in Poyang Lake National Nature Reserve, China. <i>International Journal of Remote Sensing</i> , <b>2008</b> , 29, 2183-2198	3.1	56
280	Smoothing vegetation spectra with wavelets. <i>International Journal of Remote Sensing</i> , <b>2004</b> , 25, 1167-1184	3.4	56
279	Leaf Nitrogen Content Indirectly Estimated by Leaf Traits Derived From the PROSPECT Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2015</b> , 8, 3172-3182	4.7	55
278	Estimating land-surface temperature under clouds using MSG/SEVIRI observations. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2011</b> , 13, 265-276	7.3	55



277	The effects of high soil CO <sub>2</sub> concentrations on leaf reflectance of maize plants. <i>International Journal of Remote Sensing</i> , <b>2009</b> , 30, 481-497	3.1	55
276	A comparison of data sources for creating a long-term time series of daily gridded solar radiation for Europe. <i>Solar Energy</i> , <b>2014</b> , 99, 152-171	6.8	54
275	Estimation of grassland biomass and nitrogen using MERIS data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2012</b> , 19, 196-204	7.3	54
274	Changes in thermal infrared spectra of plants caused by temperature and water stress. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2016</b> , 111, 22-31	11.8	53
273	Using Landsat Spectral Indices in Time-Series to Assess Wildfire Disturbance and Recovery. <i>Remote Sensing</i> , <b>2018</b> , 10, 460	5	53
272	Space, time, connectivity and conflict in biological landscapes: the fourth special issue on spatial ecology. <i>International Journal of Geographical Information Science</i> , <b>2016</b> , 30, 1-4	4.1	52
271	Biogeographical patterns derived from remote sensing variables: the amphibians and reptiles of the Iberian Peninsula. <i>Amphibia - Reptilia</i> , <b>2009</b> , 30, 185-206	1.2	52
270	Using a genetic algorithm as an optimal band selector in the mid and thermal infrared (2.5-14 $\mu$ m) to discriminate vegetation species. <i>Sensors</i> , <b>2012</b> , 12, 8755-69	3.8	52
269	Improving leaf area index (LAI) estimation by correcting for clumping and woody effects using terrestrial laser scanning. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 263, 276-286	5.8	52
268	A high-resolution model of bat diversity and endemism for continental Africa. <i>Ecological Modelling</i> , <b>2016</b> , 320, 9-28	3	51
267	European spruce bark beetle ( <i>Ips typographus</i> , L.) green attack affects foliar reflectance and biochemical properties. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 64, 199-209	7.3	51
266	Foliar and woody materials discriminated using terrestrial LiDAR in a mixed natural forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 64, 43-50	7.3	51
265	Evaluation of three proposed indices for the retrieval of leaf water content from the mid-wave infrared (2.8- $\mu$ m) spectra. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 171-172, 65-71	5.8	50
264	Mapping leaf chlorophyll content from Sentinel-2 and RapidEye data in spruce stands using the invertible forest reflectance model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2019</b> , 79, 58-70	7.3	49
263	Spatial distribution of lion kills determined by the water dependency of prey species. <i>Journal of Mammalogy</i> , <b>2010</b> , 91, 1280-1286	1.8	49
262	Towards red-edge positions less sensitive to canopy biophysical parameters for leaf chlorophyll estimation using properties optiques spectrales des feuilles (PROSPECT) and scattering by arbitrarily inclined leaves (SAILH) simulated data. <i>International Journal of Remote Sensing</i> , <b>2008</b> , 29, 2241-2255	3.1	49
261	Tree species classification using plant functional traits from LiDAR and hyperspectral data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 73, 207-219	7.3	49
260	Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest. <i>Remote Sensing</i> , <b>2016</b> , 8, 491	5	47

259	Mapping forest canopy nitrogen content by inversion of coupled leaf-canopy radiative transfer models from airborne hyperspectral imagery. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 253-254, 247-260	5.8	46
258	3D leaf water content mapping using terrestrial laser scanner backscatter intensity with radiometric correction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 110, 14-23	11.8	46
257	Hyperspectral indices for detecting changes in canopy reflectance as a result of underground natural gas leakage. <i>International Journal of Remote Sensing</i> , <b>2008</b> , 29, 5987-6008	3.1	46
256	GIANT PANDA HABITAT SELECTION IN FOPING NATURE RESERVE, CHINA. <i>Journal of Wildlife Management</i> , <b>2005</b> , 69, 1623-1632	1.9	46
255	Sentinel-2 accurately maps green-attack stage of European spruce bark beetle ( <i>Ips typographus</i> , L.) compared with Landsat-8. <i>Remote Sensing in Ecology and Conservation</i> , <b>2019</b> , 5, 87-106	5.3	45
254	Mapping non-wood forest product (matsutake mushrooms) using logistic regression and a GIS expert system. <i>Ecological Modelling</i> , <b>2006</b> , 198, 208-218	3	45
253	Migratory herbivorous waterfowl track satellite-derived green wave index. <i>PLoS ONE</i> , <b>2014</b> , 9, e108331	3.7	45
252	Spotting East African mammals in open savannah from space. <i>PLoS ONE</i> , <b>2014</b> , 9, e115989	3.7	44
251	Hyperspectral predictors for monitoring biomass production in Mediterranean mountain grasslands: Majella National Park, Italy. <i>International Journal of Remote Sensing</i> , <b>2009</b> , 30, 499-515	3.1	44
250	Evaluation of MODIS Spectral Indices for Monitoring Hydrological Dynamics of a Small, Seasonally-Flooded Wetland in Southern Spain. <i>Wetlands</i> , <b>2015</b> , 35, 851-864	1.7	43
249	Geospatial tools address emerging issues in spatial ecology: a review and commentary on the Special Issue. <i>International Journal of Geographical Information Science</i> , <b>2011</b> , 25, 337-365	4.1	43
248	Will the Three Gorges Dam affect the underwater light climate of <i>Vallisneria spiralis</i> L. and food habitat of Siberian crane in Poyang Lake?. <i>Hydrobiologia</i> , <b>2009</b> , 623, 213-222	2.4	43
247	MERIS and the red-edge position. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2001</b> , 3, 313-320	7.3	42
246	Generating spike-free digital surface models using LiDAR raw point clouds: A new approach for forestry applications. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2016</b> , 52, 104-114	7.3	41
245	Can nutrient status of four woody plant species be predicted using field spectrometry?. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2007</b> , 62, 406-414	11.8	41
244	Environmental Factors Influencing the Spread of the Highly Pathogenic Avian Influenza H5N1 Virus in wild birds in Europe. <i>Ecology and Society</i> , <b>2010</b> , 15,	4.1	40
243	Impacts of future climate and land cover changes on threatened mammals in the semi-arid Chinese Altai Mountains. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 775-787	10.2	39
242	Identifying transit corridors for elephant using a long time-series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2012</b> , 14, 61-72	7.3	39



241	Understanding Forest Health with Remote Sensing, Part III: Requirements for a Scalable Multi-Source Forest Health Monitoring Network Based on Data Science Approaches. <i>Remote Sensing</i> , <b>2018</b> , 10, 1120	5	38
240	Canopy leaf water content estimated using terrestrial LiDAR. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 232, 152-162	5.8	38
239	Predicting foliar biochemistry of tea ( <i>Camellia sinensis</i> ) using reflectance spectra measured at powder, leaf and canopy levels. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 78, 148-156	11.8	38
238	Explaining grass-nutrient patterns in a savanna rangeland of southern Africa. <i>Journal of Biogeography</i> , <b>2004</b> , 31, 819-829	4.1	38
237	Imaging Spectrometry and Vegetation Science. <i>Remote Sensing and Digital Image Processing</i> , <b>2002</b> , 111-155	15.5	38
236	Variation of leaf angle distribution quantified by terrestrial LiDAR in natural European beech forest. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2019</b> , 148, 208-220	11.8	37
235	Analysis of Sentinel-2 and RapidEye for Retrieval of Leaf Area Index in a Saltmarsh Using a Radiative Transfer Model. <i>Remote Sensing</i> , <b>2019</b> , 11, 671	5	37
234	Heavy metal-induced stress in rice crops detected using multi-temporal Sentinel-2 satellite images. <i>Science of the Total Environment</i> , <b>2018</b> , 637-638, 18-29	10.2	37
233	Soil nutrient status determines how elephant utilize trees and shape environments. <i>Journal of Animal Ecology</i> , <b>2011</b> , 80, 875-83	4.7	37
232	A post-classifier for mangrove mapping using ecological data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2006</b> , 61, 1-10	11.8	37
231	African Elephants <i>Loxodonta africana</i> Amplify Browse Heterogeneity in African Savanna. <i>Biotropica</i> , <b>2011</b> , 43, 711-721	2.3	36
230	Neural Networks, Multitemporal Landsat Thematic Mapper Data and Topographic Data to Classify Forest Damages in the Czech Republic. <i>Canadian Journal of Remote Sensing</i> , <b>1997</b> , 23, 217-229	1.8	36
229	Macroecological conclusions based on IUCN expert maps: A call for caution. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 930-941	6.1	35
228	Large off-nadir scan angle of airborne LiDAR can severely affect the estimates of forest structure metrics. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 136, 13-25	11.8	35
227	Estimating tropical forest biomass more accurately by integrating ALOS PALSAR and Landsat-7 ETM+ data. <i>International Journal of Remote Sensing</i> , <b>2013</b> , 34, 4871-4888	3.1	35
226	Leaf level experiments to discriminate between eucalyptus species using high spectral resolution reflectance data: use of derivatives, ratios and vegetation indices. <i>Geocarto International</i> , <b>2010</b> , 25, 327-344	2.7	35
225	Retrieval of forest leaf functional traits from HySpex imagery using radiative transfer models and continuous wavelet analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2016</b> , 122, 68-80	11.8	34
224	Sensing solutions for collecting spatio-temporal data for wildlife monitoring applications: a review. <i>Sensors</i> , <b>2013</b> , 13, 6054-88	3.8	34

223	A Wavelet-Based Area Parameter for Indirectly Estimating Copper Concentration in Carex Leaves from Canopy Reflectance. <i>Remote Sensing</i> , <b>2015</b> , 7, 15340-15360	5	33
222	Mapping beech ( <i>Fagus sylvatica</i> L.) forest structure with airborne hyperspectral imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2009</b> , 11, 201-211	7.3	33
221	Retrieval of leaf area index in different plant species using thermal hyperspectral data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2016</b> , 119, 390-401	11.8	33
220	Specific leaf area estimation from leaf and canopy reflectance through optimization and validation of vegetation indices. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 236, 162-174	5.8	32
219	Complementarity of Two Rice Mapping Approaches: Characterizing Strata Mapped by Hypertemporal MODIS and Rice Paddy Identification Using Multitemporal SAR. <i>Remote Sensing</i> , <b>2014</b> , 6, 12789-12814	5	32
218	Classification of kangaroo habitat distribution using three GIS models. <i>International Journal of Geographical Information Science</i> , <b>1996</b> , 10, 441-454	4.1	32
217	Automatic Counting of Large Mammals from Very High Resolution Panchromatic Satellite Imagery. <i>Remote Sensing</i> , <b>2017</b> , 9, 878	5	31
216	Mapping Forest Canopy Height Across Large Areas by Upscaling ALS Estimates with Freely Available Satellite Data. <i>Remote Sensing</i> , <b>2015</b> , 7, 12563-12587	5	31
215	Finessing atlas data for species distribution models. <i>Diversity and Distributions</i> , <b>2011</b> , 17, 1173-1185	5	31
214	Mapping habitat and biological diversity in the Maasai Mara ecosystem. <i>International Journal of Remote Sensing</i> , <b>2003</b> , 24, 1053-1069	3.1	31
213	Remote sensing of forage nutrients: Combining ecological and spectral absorption feature data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2012</b> , 72, 27-35	11.8	30
212	Indirect remote sensing of a cryptic forest understorey invasive species. <i>Forest Ecology and Management</i> , <b>2006</b> , 225, 245-256	3.9	30
211	Priority list of biodiversity metrics to observe from space. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 896-906	12.3	30
210	Using discrete-return airborne laser scanning to quantify number of canopy strata across diverse forest types. <i>Methods in Ecology and Evolution</i> , <b>2016</b> , 7, 700-712	7.7	30
209	Understanding and assessing vegetation health by in situ species and remote-sensing approaches. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 1799-1809	7.7	29
208	Integrating conventional classifiers with a GIS expert system to increase the accuracy of invasive species mapping. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2011</b> , 13, 487-494	7.3	29
207	Distribution of Barnacle Geese ( <i>Branta leucopsis</i> ) in Relation to Food Resources, Distance to Roosts, and the Location of Refuges. <i>Ardea</i> , <b>2011</b> , 99, 217-226	0.9	29
206	Nitrogen prediction in grasses: effect of bandwidth and plant material state on absorption feature selection. <i>International Journal of Remote Sensing</i> , <b>2010</b> , 31, 691-704	3.1	29

205	Performance of Landsat TM in ship detection in turbid waters. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2009</b> , 11, 54-61	7.3	29
204	Using Poaching Levels and Elephant Distribution to Assess the Conservation Efficacy of Private, Communal and Government Land in Northern Kenya. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139079	3.7	29
203	Climatic niche breadth can explain variation in geographical range size of alpine and subalpine plants. <i>International Journal of Geographical Information Science</i> , <b>2017</b> , 31, 190-212	4.1	28
202	Canopy foliar nitrogen retrieved from airborne hyperspectral imagery by correcting for canopy structure effects. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2017</b> , 54, 84-94	7.3	28
201	Frequent burning promotes invasions of alien plants into a mesic African savanna. <i>Biological Invasions</i> , <b>2011</b> , 13, 1641-1648	2.7	28
200	Effects of plant phenology and solar radiation on seasonal movement of golden takin in the Qinling Mountains, China. <i>Journal of Mammalogy</i> , <b>2010</b> , 91, 92-100	1.8	28
199	Comparing methods for mapping canopy chlorophyll content in a mixed mountain forest using Sentinel-2 data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 87, 102037	7.3	28
198	A fusion approach to forest disturbance mapping using time series ensemble techniques. <i>Remote Sensing of Environment</i> , <b>2019</b> , 221, 188-197	13.2	28
197	The ranging patterns of elephants in Marsabit protected area, Kenya: the use of satellite-linked GPS collars. <i>African Journal of Ecology</i> , <b>2009</b> , 48, 386-400	0.8	27
196	Mapping East African tropical forests and woodlands [A comparison of classifiers. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2007</b> , 61, 393-404	11.8	27
195	Fine-scale spatial distribution of plants and resources on a sandy soil in the Sahel. <i>Plant and Soil</i> , <b>2002</b> , 239, 69-77	4.2	27
194	Effects of prediction accuracy of the proportion of vegetation cover on land surface emissivity and temperature using the NDVI threshold method. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 85, 101984	7.3	27
193	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversity Part I: Soil Characteristics. <i>Remote Sensing</i> , <b>2019</b> , 11, 2356	5	27
192	Climate and land use changes will degrade the distribution of Rhododendrons in China. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 515-528	10.2	27
191	Spatially detailed retrievals of spring phenology from single-season high-resolution image time series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2017</b> , 59, 19-30	7.3	26
190	Effects of Canopy Structural Variables on Retrieval of Leaf Dry Matter Content and Specific Leaf Area From Remotely Sensed Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 898-909	4.7	26
189	Impact of Vertical Canopy Position on Leaf Spectral Properties and Traits across Multiple Species. <i>Remote Sensing</i> , <b>2018</b> , 10, 346	5	26
188	Satellite-derived vegetation indices contribute significantly to the prediction of epiphyllous liverworts. <i>Ecological Indicators</i> , <b>2014</b> , 38, 72-80	5.8	26

187	Savanna grass nitrogen to phosphorous ratio estimation using field spectroscopy and the potential for estimation with imaging spectroscopy. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 23, 334-343	7.3	26
186	Evaluating Different Methods for Grass Nutrient Estimation from Canopy Hyperspectral Reflectance. <i>Remote Sensing</i> , <b>2015</b> , 7, 5901-5917	5	26
185	Characterizing the spatial distribution of giant pandas ( <i>Ailuropoda melanoleuca</i> ) in fragmented forest landscapes. <i>Journal of Biogeography</i> , <b>2010</b> , 37, 865-878	4.1	26
184	Accumulated effects on landscape pattern by hydroelectric cascade exploitation in the Yellow River basin from 1977 to 2006. <i>Landscape and Urban Planning</i> , <b>2009</b> , 93, 163-171	7.7	26
183	Giant Panda Movements in Foping Nature Reserve, China. <i>Journal of Wildlife Management</i> , <b>2002</b> , 66, 1179	1.9	26
182	Remotely sensed spatial heterogeneity as an exploratory tool for taxonomic and functional diversity study. <i>Ecological Indicators</i> , <b>2018</b> , 85, 983-990	5.8	26
181	Night-day speed ratio of elephants as indicator of poaching levels. <i>Ecological Indicators</i> , <b>2018</b> , 84, 38-44	5.8	25
180	Smallholder farms as stepping stone corridors for crop-raiding elephant in northern Tanzania: integration of Bayesian expert system and network simulator. <i>Ambio</i> , <b>2014</b> , 43, 149-61	6.5	25
179	Integration of multi-sensor data to assess grassland dynamics in a Yellow River sub-watershed. <i>Ecological Indicators</i> , <b>2012</b> , 18, 163-170	5.8	25
178	Spatial scale variations in vegetation indices and above-ground biomass estimates: Implications for MERIS. <i>International Journal of Remote Sensing</i> , <b>2001</b> , 22, 3381-3396	3.1	25
177	Estimation of regeneration coverage in a temperate forest by 3D segmentation using airborne laser scanning data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2016</b> , 52, 252-262	7.3	25
176	Estimation of leaf water content from far infrared (2.5-4 $\mu$ m) spectra using continuous wavelet analysis <b>2012</b> ,		24
175	Seasonal Altitudinal Movements of Golden Takin in the Qinling Mountains of China. <i>Journal of Wildlife Management</i> , <b>2008</b> , 72, 611-617	1.9	24
174	Calibration of solar radiation models for Europe using Meteosat Second Generation and weather station data. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 176, 1-9	5.8	23
173	Mapping land cover gradients through analysis of hyper-temporal NDVI imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 23, 301-312	7.3	23
172	Understanding the Effects of ALS Pulse Density for Metric Retrieval across Diverse Forest Types. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2015</b> , 81, 625-635	1.6	23
171	Coupling socio-economic factors and eco-hydrological processes using a cascade-modeling approach. <i>Journal of Hydrology</i> , <b>2014</b> , 518, 49-59	6	23
170	Scale of nutrient patchiness mediates resource partitioning between trees and grasses in a semi-arid savanna. <i>Journal of Ecology</i> , <b>2011</b> , 99, 1124-1133	6	23

169	Improved understorey bamboo cover mapping using a novel hybrid neural network and expert system. <i>International Journal of Remote Sensing</i> , <b>2009</b> , 30, 965-981	3.1	23
168	Displaying remotely sensed vegetation dynamics along natural gradients for ecological studies. <i>International Journal of Remote Sensing</i> , <b>2008</b> , 29, 4277-4283	3.1	23
167	Relationship between vegetation growth rates at the onset of the wet season and soil type in the Sahel of Burkina Faso: implications for resource utilisation at large scales. <i>Ecological Modelling</i> , <b>2002</b> , 149, 143-152	3	23
166	Corresponding mitochondrial DNA and niche divergence for crested newt candidate species. <i>PLoS ONE</i> , <b>2012</b> , 7, e46671	3.7	22
165	Understorey Bamboo Discrimination Using a Winter Image. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2009</b> , 75, 37-47	1.6	22
164	The effects of fire and grazing pressure on vegetation cover and small mammal populations in the Maasai Mara National Reserve. <i>African Journal of Ecology</i> , <b>2001</b> , 39, 200-204	0.8	22
163	Comment on "The global tree restoration potential". <i>Science</i> , <b>2019</b> , 366,	33.3	22
162	Retrieval of Specific Leaf Area From Landsat-8 Surface Reflectance Data Using Statistical and Physical Models. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2017</b> , 10, 3529-3536	4.7	21
161	Spatial and spatiotemporal clustering methods for detecting elephant poaching hotspots. <i>Ecological Modelling</i> , <b>2015</b> , 297, 180-186	3	21
160	Estimating temporal independence of radio-telemetry data on animal activity. <i>Journal of Theoretical Biology</i> , <b>1999</b> , 198, 567-74	2.3	21
159	Accuracy assessment of spatial information. <i>Remote Sensing and Digital Image Processing</i> , <b>1999</b> , 197-209	0.2	21
158	Rhododendron diversity patterns and priority conservation areas in China. <i>Diversity and Distributions</i> , <b>2017</b> , 23, 1143-1156	5	20
157	The potential of spectral mixture analysis to improve the estimation accuracy of tropical forest biomass. <i>Geocarto International</i> , <b>2012</b> , 27, 329-345	2.7	20
156	LaHMa: a landscape heterogeneity mapping method using hyper-temporal datasets. <i>International Journal of Geographical Information Science</i> , <b>2012</b> , 26, 2177-2192	4.1	20
155	Remote sensing of soils in a eucalypt forest environment. <i>International Journal of Remote Sensing</i> , <b>1997</b> , 18, 39-56	3.1	20
154	Selection of imagery data and classifiers for mapping Brazilian semideciduous Atlantic forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2004</b> , 5, 173-186	7.3	20
153	Retrieving vegetation canopy water content from hyperspectral thermal measurements. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 247, 365-375	5.8	19
152	Accurate modelling of canopy traits from seasonal Sentinel-2 imagery based on the vertical distribution of leaf traits. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2019</b> , 157, 108-123	11.8	19

151	Chemical variation in <i>Jacobaea vulgaris</i> is influenced by the interaction of season and vegetation successional stage. <i>Phytochemistry</i> , <b>2014</b> , 99, 86-94	4	19
150	A bootstrap procedure to select hyperspectral wavebands related to tannin content. <i>International Journal of Remote Sensing</i> , <b>2006</b> , 27, 1413-1424	3.1	19
149	Parent material and fire as principle drivers of foliage quality in woody plants. <i>Forest Ecology and Management</i> , <b>2006</b> , 231, 178-183	3.9	19
148	A satellite data driven approach to monitoring and reporting fire disturbance and recovery across boreal and temperate forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 87, 102034	7.3	19
147	Mapping pollination types with remote sensing. <i>Journal of Vegetation Science</i> , <b>2016</b> , 27, 999-1011	3.1	18
146	Diet selection of African elephant over time shows changing optimization currency. <i>Oikos</i> , <b>2012</b> , 121, 2110-2120	4	18
145	Hyperspectral reflectance of leaves and flowers of an outbreak species discriminates season and successional stage of vegetation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 24, 32-41	7.3	18
144	Reflectance Spectroscopy of Biochemical Components as Indicators of Tea ( <i>Camellia Sinensis</i> ) Quality. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2010</b> , 76, 1385-1392	1.6	18
143	Monitoring the dynamics of surface water fraction from MODIS time series in a Mediterranean environment. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 66, 135-145	7.3	18
142	Multi-scale comparison of topographic complexity indices in relation to plant species richness. <i>Ecological Complexity</i> , <b>2015</b> , 22, 93-101	2.6	17
141	Within-patch habitat quality determines the resilience of specialist species in fragmented landscapes. <i>Landscape Ecology</i> , <b>2013</b> , 28, 135-147	4.3	17
140	A body temperature model for lizards as estimated from the thermal environment. <i>Journal of Thermal Biology</i> , <b>2012</b> , 37, 56-64	2.9	17
139	Satellite- versus temperature-derived green wave indices for predicting the timing of spring migration of avian herbivores. <i>Ecological Indicators</i> , <b>2015</b> , 58, 322-331	5.8	16
138	Hyper-temporal SPOT-NDVI dataset parameterization captures species distributions. <i>International Journal of Geographical Information Science</i> , <b>2016</b> , 30, 89-107	4.1	16
137	Photosynthetic bark: Use of chlorophyll absorption continuum index to estimate <i>Boswellia papyrifera</i> bark chlorophyll content. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 23, 71-80	7.3	16
136	A hierarchical hidden semi-Markov model for modeling mobility data <b>2014</b> ,		16
135	Elephant distribution around a volcanic shield dominated by a mosaic of forest and savanna (Marsabit, Kenya). <i>African Journal of Ecology</i> , <b>2009</b> , 47, 234-245	0.8	16
134	Migration Patterns of Two Endangered Sympatric Species From a Remote Sensing Perspective. <i>Photogrammetric Engineering and Remote Sensing</i> , <b>2010</b> , 76, 1343-1352	1.6	16



133	Estimation of forest leaf water content through inversion of a radiative transfer model from LiDAR and hyperspectral data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2019</b> , 74, 120-129	7.3	16
132	Identifying leaf traits that signal stress in TIR spectra. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2017</b> , 125, 132-145	11.8	15
131	A new dense 18-year time series of surface water fraction estimates from MODIS for the Mediterranean region. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 3037-3056	5.5	15
130	Heavy metal pollution at mine sites estimated from reflectance spectroscopy following correction for skewed data. <i>Environmental Pollution</i> , <b>2019</b> , 252, 1117-1124	9.3	15
129	Sensitivity of Landsat-8 OLI and TIRS Data to Foliar Properties of Early Stage Bark Beetle ( <i>Ips typographus</i> , L.) Infestation. <i>Remote Sensing</i> , <b>2019</b> , 11, 398	5	15
128	Quantifying the Effects of Normalisation of Airborne LiDAR Intensity on Coniferous Forest Leaf Area Index Estimations. <i>Remote Sensing</i> , <b>2017</b> , 9, 163	5	15
127	Change detection in animal movement using discrete wavelet analysis. <i>Ecological Informatics</i> , <b>2014</b> , 20, 47-57	4.2	15
126	Mapping the heterogeneity of natural and semi-natural landscapes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2014</b> , 26, 176-183	7.3	15
125	Monitoring change in the spatial heterogeneity of vegetation cover in an African savanna. <i>International Journal of Remote Sensing</i> , <b>2006</b> , 27, 2255-2269	3.1	15
124	Discriminating sodium concentration in a mixed grass species environment of the Kruger National Park using field spectrometry. <i>International Journal of Remote Sensing</i> , <b>2004</b> , 25, 4191-4201	3.1	15
123	ELSA: Entropy-based local indicator of spatial association. <i>Spatial Statistics</i> , <b>2019</b> , 29, 66-88	2.2	15
122	Machine Learning Using Hyperspectral Data Inaccurately Predicts Plant Traits Under Spatial Dependency. <i>Remote Sensing</i> , <b>2018</b> , 10, 1263	5	15
121	How do two giant panda populations adapt to their habitats in the Qinling and Qionglai Mountains, China. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 1175-85	5.1	14
120	Adaptive stopping criterion for top-down segmentation of ALS point clouds in temperate coniferous forests. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 141, 265-274	11.8	14
119	Advances in active fire detection using a multi-temporal method for next-generation geostationary satellite data. <i>International Journal of Digital Earth</i> , <b>2019</b> , 12, 1030-1045	3.9	14
118	An auto-calibration procedure for empirical solar radiation models. <i>Environmental Modelling and Software</i> , <b>2013</b> , 49, 118-128	5.2	14
117	Review of a land use planning programme through the soft systems methodology. <i>Land Use Policy</i> , <b>2006</b> , 23, 187-203	5.6	14
116	Inducing condensed tannin production in <i>Colophospermum mopane</i> : Absence of response to soil N and P fertility and physical damage. <i>Plant and Soil</i> , <b>2005</b> , 273, 203-209	4.2	14

115	Unsupervised training area selection in forests using a nonparametric distance measure and spatial information. <i>International Journal of Remote Sensing</i> , <b>1989</b> , 10, 133-146	3.1	14
114	Predicting and understanding spatio-temporal dynamics of species recovery: implications for Asian crested ibis <i>Nipponia nippon</i> conservation in China. <i>Diversity and Distributions</i> , <b>2016</b> , 22, 893-904	5	14
113	Leaf to canopy upscaling approach affects the estimation of canopy traits. <i>GIScience and Remote Sensing</i> , <b>2019</b> , 56, 554-575	4.8	14
112	Spectroscopic determination of leaf traits using infrared spectra. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2018</b> , 69, 237-250	7.3	13
111	Connecting infrared spectra with plant traits to identify species. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 139, 183-200	11.8	13
110	Measuring the response of canopy emissivity spectra to leaf area index variation using thermal hyperspectral data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2016</b> , 53, 40-47 <sup>3</sup>	7.3	13
109	Significant effect of topographic normalization of airborne LiDAR data on the retrieval of plant area index profile in mountainous forests. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2017</b> , 132, 77-87	11.8	13
108	Soil biotic impact on plant species shoot chemistry and hyperspectral reflectance patterns. <i>New Phytologist</i> , <b>2012</b> , 196, 1133-1144	9.8	13
107	Body size and abundance relationship: an index of diversity for herbivores. <i>Biodiversity and Conservation</i> , <b>2001</b> , 10, 1923-1931	3.4	13
106	The Naïve Overfitting Index Selection (NOIS): A new method to optimize model complexity for hyperspectral data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2017</b> , 133, 61-74	11.8	12
105	Expansion of traditional land-use and deforestation: a case study of an adat forest in the Kandilo Subwatershed, East Kalimantan, Indonesia. <i>Journal of Forestry Research</i> , <b>2018</b> , 29, 495-513	2	12
104	Elephant poaching risk assessed using spatial and non-spatial Bayesian models. <i>Ecological Modelling</i> , <b>2016</b> , 338, 60-68	3	12
103	Timing of red-edge and shortwave infrared reflectance critical for early stress detection induced by bark beetle ( <i>Ips typographus</i> , L.) attack. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2019</b> , 82, 101900	7.3	12
102	Changes in plant defense chemistry (pyrrolizidine alkaloids) revealed through high-resolution spectroscopy. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 80, 51-60	11.8	12
101	Hyper-temporal remote sensing helps in relating epiphyllous liverworts and evergreen forests. <i>Journal of Vegetation Science</i> , <b>2013</b> , 24, 214-226	3.1	12
100	Potential solar radiation pattern in relation to the monthly distribution of giant pandas in Foping Nature Reserve, China. <i>Ecological Modelling</i> , <b>2011</b> , 222, 645-652	3	12
99	An experimental study on spectral discrimination capability of a backpropagation neural network classifier. <i>International Journal of Remote Sensing</i> , <b>2003</b> , 24, 673-688	3.1	12
98	Improving LiDAR-based tree species mapping in Central European mixed forests using multi-temporal digital aerial colour-infrared photographs. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 84, 101970	7.3	12

97	Spatially-explicit modelling with support of hyperspectral data can improve prediction of plant traits. <i>Remote Sensing of Environment</i> , <b>2019</b> , 231, 111200	13.2	11
96	A simple terrain relief index for tuning slope-related parameters of LiDAR ground filtering algorithms. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 143, 181-190	11.8	11
95	Evaluating the performance of PROSPECT in the retrieval of leaf traits across canopy throughout the growing season. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2019</b> , 83, 101919	7.3	11
94	Shrimp pond effluent dominates foliar nitrogen in disturbed mangroves as mapped using hyperspectral imagery. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 76, 42-51	6.7	11
93	Technical note Non-parametric test of overlap in multispectral classification. <i>International Journal of Remote Sensing</i> , <b>1988</b> , 9, 777-785	3.1	11
92	Taxonomy of environmental models in the spatial sciences <b>2002</b> , 8-25		11
91	Reduced dependence of Crested Ibis on winter-flooded rice fields: implications for their conservation. <i>PLoS ONE</i> , <b>2014</b> , 9, e98690	3.7	11
90	Machine learning methods performance in radiative transfer model inversion to retrieve plant traits from Sentinel-2 data of a mixed mountain forest. <i>International Journal of Digital Earth</i> , <b>2021</b> , 14, 106-120	3.9	11
89	Integration of Landsat-8 Thermal and Visible-Short Wave Infrared Data for Improving Prediction Accuracy of Forest Leaf Area Index. <i>Remote Sensing</i> , <b>2019</b> , 11, 390	5	10
88	A voxel matching method for effective leaf area index estimation in temperate deciduous forests from leaf-on and leaf-off airborne LiDAR data. <i>Remote Sensing of Environment</i> , <b>2020</b> , 240, 111696	13.2	10
87	Ungulate herbivory overrides rainfall impacts on herbaceous regrowth and residual biomass in a key resource area. <i>Journal of Arid Environments</i> , <b>2014</b> , 100-101, 9-17	2.5	10
86	Mapping leaf area index in a mixed temperate forest using Fenix airborne hyperspectral data and Gaussian processes regression. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2021</b> , 95, 102242	7.3	10
85	The effectiveness of fuel reduction burning for wildfire mitigation in sclerophyll forests. <i>Australian Forestry</i> , <b>2020</b> , 83, 255-264	2.1	9
84	Mapping Canopy Chlorophyll Content in a Temperate Forest Using Airborne Hyperspectral Data. <i>Remote Sensing</i> , <b>2020</b> , 12, 3573	5	9
83	Detecting long-duration cloud contamination in hyper-temporal NDVI imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 24, 22-31	7.3	9
82	rasterdiv-An Information Theory tailored R package for measuring ecosystem heterogeneity from space: To the origin and back. <i>Methods in Ecology and Evolution</i> , <b>2021</b> , 12, 1093-1102	7.7	9
81	Understanding the effect of landscape fragmentation and vegetation productivity on elephant habitat utilization in Amboseli ecosystem, Kenya. <i>African Journal of Ecology</i> , <b>2017</b> , 55, 259-269	0.8	8
80	Poaching lowers elephant path tortuosity: implications for conservation. <i>Journal of Wildlife Management</i> , <b>2019</b> , 83, 1022-1031	1.9	8

79	The next widespread bamboo flowering poses a massive risk to the giant panda. <i>Biological Conservation</i> , <b>2019</b> , 234, 180-187	6.2	8
78	Comparison of terrestrial LiDAR and digital hemispherical photography for estimating leaf angle distribution in European broadleaf beech forests. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2019</b> , 158, 76-89	11.8	8
77	Elephant response to spatial heterogeneity in a savanna landscape of northern Tanzania. <i>Ecography</i> , <b>2013</b> , 36, 819-831	6.5	8
76	Recovery of woody plant species richness in secondary forests in China: a meta-analysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 10614	4.9	8
75	Elephants move faster in small fragments of low productivity in Amboseli ecosystems: Kenya. <i>Geocarto International</i> , <b>2017</b> , 32, 1243-1253	2.7	8
74	Comparison of extrapolation and interpolation methods for estimating daily photosynthetically active radiation (PAR). <i>Geo-Spatial Information Science</i> , <b>2010</b> , 13, 235-242	3.5	8
73	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. <i>Remote Sensing</i> , <b>2019</b> , 11, 2614	5	8
72	Use of taxonomy to delineate spatial extent of atlas data for species distribution models. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 227-237	6.1	7
71	Relating X-band SAR Backscattering to Leaf Area Index of Rice in Different Phenological Phases. <i>Remote Sensing</i> , <b>2019</b> , 11, 1462	5	7
70	A wavelet-based approach to evaluate the roles of structural and functional landscape heterogeneity in animal space use at multiple scales. <i>Ecography</i> , <b>2015</b> , 38, 740-750	6.5	7
69	Eutrophication of mangroves linked to depletion of foliar and soil base cations. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 8487-98	3.1	7
68	Remote sensing of the link between arable field and elephant ( <i>Loxodonta africana</i> ) distribution change along a tsetse eradication gradient in the Zambezi valley, Zimbabwe. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2010</b> , 12, S123-S130	7.3	7
67	Environmental factors influencing bird species diversity in Kenya. <i>African Journal of Ecology</i> , <b>2001</b> , 39, 295-302	0.8	7
66	Quantification of occlusions influencing the tree stem curve retrieving from single-scan terrestrial laser scanning data. <i>Forest Ecosystems</i> , <b>2019</b> , 6,	3.8	7
65	Estimating Fire Background Temperature at a Geostationary Scale: An Evaluation of Contextual Methods for AHI-8. <i>Remote Sensing</i> , <b>2018</b> , 10, 1368	5	7
64	Thermal infrared remote sensing of vegetation: Current status and perspectives. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2021</b> , 102, 102415	7.3	7
63	Identifying rice stress on a regional scale from multi-temporal satellite images using a Bayesian method. <i>Environmental Pollution</i> , <b>2019</b> , 247, 488-498	9.3	6
62	Evaluating Prediction Models for Mapping Canopy Chlorophyll Content Across Biomes. <i>Remote Sensing</i> , <b>2020</b> , 12, 1788	5	6

61	Worsening of tree-related public health issues under climate change. <i>Nature Plants</i> , <b>2020</b> , 6, 48	11.5	6
60	Selection of HypsIRI optimal band positions for the earth compositional mapping using HyTES data. <i>Remote Sensing of Environment</i> , <b>2018</b> , 206, 350-362	13.2	6
59	High fire disturbance in forests leads to longer recovery, but varies by forest type. <i>Remote Sensing in Ecology and Conservation</i> , <b>2019</b> , 5, 376-388	5.3	6
58	Predicting micro thermal habitat of lizards in a dynamic thermal environment. <i>Ecological Modelling</i> , <b>2012</b> , 231, 126-133	3	6
57	Differentiation of plant age in grasses using remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2013</b> , 24, 54-62	7.3	6
56	Joint effects of habitat heterogeneity and species' life-history traits on population dynamics in spatially structured landscapes. <i>PLoS ONE</i> , <b>2014</b> , 9, e107742	3.7	6
55	Geospatial analysis of species, biodiversity and landscapes: introduction to the second special issue on spatial ecology. <i>International Journal of Geographical Information Science</i> , <b>2012</b> , 26, 2003-2007	4.1	6
54	Measuring the Insecurity Index of species in networks of protected areas using species distribution modeling and fuzzy logic: The case of raptors in Andalusia. <i>Ecological Indicators</i> , <b>2013</b> , 26, 174-182	5.8	6
53	Linking the Remote Sensing of Geodiversity and Traits Relevant to Biodiversity Part II: Geomorphology, Terrain and Surfaces. <i>Remote Sensing</i> , <b>2020</b> , 12, 3690	5	6
52	Environmental parameters linked to the last migratory stage of barnacle geese en route to their breeding sites. <i>Animal Behaviour</i> , <b>2016</b> , 118, 81-95	2.8	6
51	Developing a two-step algorithm to estimate the leaf area index of forests with complex structures based on CHRIS/PROBA data. <i>Forest Ecology and Management</i> , <b>2019</b> , 441, 57-70	3.9	5
50	Spatial pattern of habitat quality modulates population persistence in fragmented landscapes. <i>Ecological Research</i> , <b>2013</b> , 28, 949-958	1.9	5
49	Assessing MODIS GPP in Non-Forested Biomes in Water Limited Areas Using EC Tower Data. <i>Remote Sensing</i> , <b>2015</b> , 7, 3274-3292	5	5
48	Comparing direct image and wavelet transform-based approaches to analysing remote sensing imagery for predicting wildlife distribution. <i>International Journal of Remote Sensing</i> , <b>2010</b> , 31, 6425-6440 <sup>3.1</sup>		5
47	THEORETICAL FRAMEWORK FOR SPATIAL PLANNING AND FOREST MANAGEMENT IN INDONESIA: SECURING THE BASIC RIGHTS FOR ADAT PEOPLE. <i>Indonesian Journal of Forestry Research</i> , <b>2017</b> , 4, 69-83 <sup>0.2</sup>		5
46	Prospect inversion for indirect estimation of leaf dry matter content and specific leaf area. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XL-7/W3, 277-284	2.5	5
45	Understanding <i>Boswellia papyrifera</i> tree secondary metabolites through bark spectral analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 105, 30-37	11.8	4
44	Decline of traditional rice farming constrains the recovery of the endangered Asian crested ibis ( <i>Nipponia nippon</i> ). <i>Ambio</i> , <b>2015</b> , 44, 803-14	6.5	4

43	Evaluation of a new 18-year MODIS-derived surface water fraction dataset for constructing Mediterranean wetland open surface water dynamics. <i>Journal of Hydrology</i> , <b>2020</b> , 587, 124956	6	4
42	Optimization of wildlife management in a large game reserve through waterpoints manipulation: a bio-economic analysis. <i>Journal of Environmental Management</i> , <b>2013</b> , 114, 352-61	7.9	4
41	Assessing effect of rainfall on rate of alien shrub expansion in a southern African savanna. <i>African Journal of Range and Forage Science</i> , <b>2017</b> , 34, 39-44	1.5	4
40	Representation of Uncertainty and Integration of PGIS-based Grazing Intensity Maps Using Evidential Belief Functions. <i>Transactions in GIS</i> , <b>2009</b> , 13, 273-293	2.1	4
39	A Normalized Difference Vegetation Index (NDVI) Time-Series of Idle Agriculture Lands: A Preliminary Study. <i>Engineering Journal</i> , <b>2011</b> , 15, 9-16	1.8	4
38	Mapping individual silver fir trees using hyperspectral and LiDAR data in a Central European mixed forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2021</b> , 98, 102311	7.3	4
37	Assessing trends and seasonal changes in elephant poaching risk at the small area level using spatio-temporal Bayesian modeling. <i>International Journal of Geographical Information Science</i> , <b>2018</b> , 32, 622-636	4.1	4
36	Identification of Griffon Vulture's Flight Types Using High-Resolution Tracking Data. <i>International Journal of Environmental Research</i> , <b>2018</b> , 12, 313-325	2.9	4
35	Validating the Predictive Power of Statistical Models in Retrieving Leaf Dry Matter Content of a Coastal Wetland from a Sentinel-2 Image. <i>Remote Sensing</i> , <b>2019</b> , 11, 1936	5	3
34	Identifying Birds' Collision Risk with Wind Turbines Using a Multidimensional Utilization Distribution Method. <i>Wildlife Society Bulletin</i> , <b>2020</b> , 44, 191-199	1.4	3
33	Species distribution and diversity, habitat selection and connectivity: introduction to the Third Special Issue on Spatial Ecology. <i>International Journal of Geographical Information Science</i> , <b>2014</b> , 28, 1527-1530 <sup>3</sup>	4.1	3
32	A common dominant scale emerges from images of diverse satellite platforms using the wavelet transform. <i>International Journal of Remote Sensing</i> , <b>2011</b> , 32, 3665-3687	3.1	3
31	Enhancement of area-specific land-use objectives for land development. <i>Land Degradation and Development</i> , <b>2004</b> , 15, 513-525	4.4	3
30	Exploring the possibility of estimating the aboveground biomass of <i>Vallisneria spiralis</i> L. using Landsat TM image in Dahuchi, Jiangxi Province, China <b>2005</b> ,		3
29	Scaling to the MERIS Resolution: Mapping Accuracy and Spatial Variability. <i>Geocarto International</i> , <b>2000</b> , 15, 39-50	2.7	3
28	Incorporating knowledge uncertainty into species distribution modelling. <i>Biodiversity and Conservation</i> , <b>2019</b> , 28, 571-588	3.4	3
27	Comparative Evaluation of Algorithms for Leaf Area Index Estimation from Digital Hemispherical Photography through Virtual Forests. <i>Remote Sensing</i> , <b>2021</b> , 13, 3325	5	3
26	Supervised learning events: direct observation of procedural skills pilot. <i>Occupational Medicine</i> , <b>2016</b> , 66, 656-661	2.1	2



25	Expert system for modelling stopover site selection by barnacle geese. <i>Ecological Modelling</i> , <b>2017</b> , 359, 398-405	3	2
24	Effects of plant phenology and solar radiation on seasonal movement of golden takin in the Qinling Mountains, China. <i>Journal of Mammalogy</i> , <b>2010</b> ,	1.8	2
23	Merging Double Sampling with Remote Sensing for a Rapid Estimation of Fuelwood. <i>Geocarto International</i> , <b>2004</b> , 19, 49-55	2.7	2
22	Verifying Indigenous based-claims to forest rights using image interpretation and spatial analysis: a case study in Gunung Lumut Protection Forest, East Kalimantan, Indonesia. <i>Geo Journal</i> , <b>2020</b> , 1	2.2	2
21	Towards the Spectral Mapping of Plastic Debris on Beaches. <i>Remote Sensing</i> , <b>2021</b> , 13, 1850	5	2
20	Low-elevation endemic Rhododendrons in China are highly vulnerable to climate and land use change. <i>Ecological Indicators</i> , <b>2021</b> , 126, 107699	5.8	2
19	Role of Sampling Design When Predicting Spatially Dependent Ecological Data With Remote Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 59, 663-674	8.1	2
18	The impact of voxel size, forest type, and understory cover on visibility estimation in forests using terrestrial laser scanning. <i>GIScience and Remote Sensing</i> , <b>2021</b> , 58, 323-339	4.8	2
17	The critical role of tree species and human disturbance in determining the macrofungal diversity in Europe. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 2084-2100	6.1	2
16	Satellite-based modelling of potential tsetse ( <i>Glossina pallidipes</i> ) breeding and foraging sites using teneral and non-teneral fly occurrence data. <i>Parasites and Vectors</i> , <b>2021</b> , 14, 506	4	2
15	An approach for heavy metal pollution detected from spatio-temporal stability of stress in rice using satellite images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2019</b> , 80, 230-239	7.3	1
14	Morphological plasticity of corms in enhancing invasion of <i>Chromolaena odorata</i> . <i>Banko Janakari</i> , <b>2013</b> , 21, 3-12	0.5	1
13	Exploring various spectral regions for estimating chlorophyll from ASD leaf reflectance using prospect radiative transfer model <b>2014</b> ,		1
12	The potential of Sentinel-2 spectral configuration to assess rangeland quality <b>2014</b> ,		1
11	Estimating fresh grass/herb biomass from HYMAP data using the red edge position <b>2006</b> ,		1
10	Potential invasion range of raccoon in Iran under climate change. <i>European Journal of Wildlife Research</i> , <b>2020</b> , 66, 1	2	1
9	Canopy chlorophyll content retrieved from time series remote sensing data as a proxy for detecting bark beetle infestation. <i>Remote Sensing Applications: Society and Environment</i> , <b>2021</b> , 22, 100524	2.8	1
8	Harmonizing Forest Conservation Policies with Essential Biodiversity Variables Incorporating Remote Sensing and Environmental DNA Technologies. <i>Forests</i> , <b>2022</b> , 13, 445	2.8	1

7	Remote Sensing of Geomorphodiversity Linked to Biodiversity Part III: Traits, Processes and Remote Sensing Characteristics. <i>Remote Sensing</i> , <b>2022</b> , 14, 2279	5	1
6	The Stained Glass Procedure—a new method to compare classification performance of images acquired with different pixel sizes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2006</b> , 8, 237-245	7.3	0
5	Quantifying Marine Plastic Debris in a Beach Environment Using Spectral Analysis. <i>Remote Sensing</i> , <b>2021</b> , 13, 4548	5	0
4	A laboratory for conceiving Essential Biodiversity Variables (EBVs) – The Data pool initiative for the Bohemian Forest Ecosystem – <i>Methods in Ecology and Evolution</i> , <b>2021</b> ,	7.7	0
3	Estimating fine-scale visibility in a temperate forest landscape using airborne laser scanning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2021</b> , 103, 102478	7.3	0
2	PhD thesis: Avoid bias against junior researchers. <i>Nature</i> , <b>2016</b> , 537, 307	50.4	
1	Simulation of MERIS data: potentials and limitations for mapping (soil) mineralogy. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>1999</b> , 1, 196-204	7.3	