Andrew K Skidmore

List of Publications by Year in Descending Order

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	Harmonizing Forest Conservation Policies with Essential Biodiversity Variables Incorporating Remote Sensing and Environmental DNA Technologies. *Forests*, **2022**, 13, 445	2.8	1
365	Remote Sensing of Geomorphodiversity Linked to Biodiversity—Part III: Traits, Processes and Remote Sensing Characteristics. *Remote Sensing*, **2022**, 14, 2279	5	1
364	Quantifying Marine Plastic Debris in a Beach Environment Using Spectral Analysis. *Remote Sensing*, **2021**, 13, 4548	5	0
363	Canopy chlorophyll content retrieved from time series remote sensing data as a proxy for detecting bark beetle infestation. *Remote Sensing Applications: Society and Environment*, **2021**, 22, 100524	2.8	1
362	Priority list of biodiversity metrics to observe from space. *Nature Ecology and Evolution*, **2021**, 5, 896-906	12.3	30
361	rasterdiv-An Information Theory tailored R package for measuring ecosystem heterogeneity from space: To the origin and back. *Methods in Ecology and Evolution*, **2021**, 12, 1093-1102	7.7	9
360	Towards the Spectral Mapping of Plastic Debris on Beaches. *Remote Sensing*, **2021**, 13, 1850	5	2
359	Mapping individual silver fir trees using hyperspectral and LiDAR data in a Central European mixed forest. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 98, 102311	7.3	4
358	Low-elevation endemic Rhododendrons in China are highly vulnerable to climate and land use change. *Ecological Indicators*, **2021**, 126, 107699	5.8	2
357	Role of Sampling Design When Predicting Spatially Dependent Ecological Data With Remote Sensing. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 663-674	8.1	2
356	Mapping leaf area index in a mixed temperate forest using Fenix airborne hyperspectral data and Gaussian processes regression. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 95, 102242	7.3	10
355	Machine learning methods' performance in radiative transfer model inversion to retrieve plant traits from Sentinel-2 data of a mixed mountain forest. *International Journal of Digital Earth*, **2021**, 14, 106-120	3.9	11
354	The impact of voxel size, forest type, and understory cover on visibility estimation in forests using terrestrial laser scanning. *GIScience and Remote Sensing*, **2021**, 58, 323-339	4.8	2
353	Comparative Evaluation of Algorithms for Leaf Area Index Estimation from Digital Hemispherical Photography through Virtual Forests. *Remote Sensing*, **2021**, 13, 3325	5	3
352	The critical role of tree species and human disturbance in determining the macrofungal diversity in Europe. *Global Ecology and Biogeography*, **2021**, 30, 2084-2100	6.1	2
351	A laboratory for conceiving Essential Biodiversity Variables (EBVs)—The Data pool initiative for the Bohemian Forest Ecosystem. *Methods in Ecology and Evolution*, **2021**,	7.7	0
350	Satellite-based modelling of potential tsetse (Glossina pallidipes) breeding and foraging sites using teneral and non-teneral fly occurrence data. *Parasites and Vectors*, **2021**, 14, 506	4	2

349	Thermal infrared remote sensing of vegetation: Current status and perspectives. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 102, 102415	7.3	7
348	Estimating fine-scale visibility in a temperate forest landscape using airborne laser scanning. *International Journal of Applied Earth Observation and Geoinformation*, **2021**, 103, 102478	7.3	0
347	The effectiveness of fuel reduction burning for wildfire mitigation in sclerophyll forests. *Australian Forestry*, **2020**, 83, 255-264	2.1	9
346	Mapping Canopy Chlorophyll Content in a Temperate Forest Using Airborne Hyperspectral Data. *Remote Sensing*, **2020**, 12, 3573	5	9
345	Evaluation of a new 18-year MODIS-derived surface water fraction dataset for constructing Mediterranean wetland open surface water dynamics. *Journal of Hydrology*, **2020**, 587, 124956	6	4
344	Evaluating Prediction Models for Mapping Canopy Chlorophyll Content Across Biomes. *Remote Sensing*, **2020**, 12, 1788	5	6
343	Worsening of tree-related public health issues under climate change. *Nature Plants*, **2020**, 6, 48	11.5	6
342	A voxel matching method for effective leaf area index estimation in temperate deciduous forests from leaf-on and leaf-off airborne LiDAR data. *Remote Sensing of Environment*, **2020**, 240, 111696	13.2	10
341	Identifying Birds' Collision Risk with Wind Turbines Using a Multidimensional Utilization Distribution Method. *Wildlife Society Bulletin*, **2020**, 44, 191-199	1.4	3
340	Effects of prediction accuracy of the proportion of vegetation cover on land surface emissivity and temperature using the NDVI threshold method. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 85, 101984	7.3	27
339	Comparing methods for mapping canopy chlorophyll content in a mixed mountain forest using Sentinel-2 data. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 87, 102037	7.3	28
338	A satellite data driven approach to monitoring and reporting fire disturbance and recovery across boreal and temperate forests. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 87, 102034	7.3	19
337	Linking the Remote Sensing of Geodiversity and Traits Relevant to Biodiversity—Part II: Geomorphology, Terrain and Surfaces. *Remote Sensing*, **2020**, 12, 3690	5	6
336	Potential invasion range of raccoon in Iran under climate change. *European Journal of Wildlife Research*, **2020**, 66, 1	2	1
335	Verifying Indigenous based-claims to forest rights using image interpretation and spatial analysis: a case study in Gunung Lumut Protection Forest, East Kalimantan, Indonesia. *Geo Journal*, **2020**, 1	2.2	2
334	Improving LiDAR-based tree species mapping in Central European mixed forests using multi-temporal digital aerial colour-infrared photographs. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 84, 101970	7.3	12
333	A new dense 18-year time series of surface water fraction estimates from MODIS for the Mediterranean region. *Hydrology and Earth System Sciences*, **2019**, 23, 3037-3056	5.5	15
332	Accurate modelling of canopy traits from seasonal Sentinel-2 imagery based on the vertical distribution of leaf traits. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 157, 108-123	11.8	19

331	Validating the Predictive Power of Statistical Models in Retrieving Leaf Dry Matter Content of a Coastal Wetland from a Sentinel-2 Image. *Remote Sensing*, **2019**, 11, 1936	5	3
330	Identifying rice stress on a regional scale from multi-temporal satellite images using a Bayesian method. *Environmental Pollution*, **2019**, 247, 488-498	9.3	6
329	Variation of leaf angle distribution quantified by terrestrial LiDAR in natural European beech forest. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 148, 208-220	11.8	37
328	Heavy metal pollution at mine sites estimated from reflectance spectroscopy following correction for skewed data. *Environmental Pollution*, **2019**, 252, 1117-1124	9.3	15
327	Spatially-explicit modelling with support of hyperspectral data can improve prediction of plant traits. *Remote Sensing of Environment*, **2019**, 231, 111200	13.2	11
326	Poaching lowers elephant path tortuosity: implications for conservation. *Journal of Wildlife Management*, **2019**, 83, 1022-1031	1.9	8
325	An approach for heavy metal pollution detected from spatio-temporal stability of stress in rice using satellite images. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 80, 230-239	7.3	1
324	Analysis of Sentinel-2 and RapidEye for Retrieval of Leaf Area Index in a Saltmarsh Using a Radiative Transfer Model. *Remote Sensing*, **2019**, 11, 671	5	37
323	Integration of Landsat-8 Thermal and Visible-Short Wave Infrared Data for Improving Prediction Accuracy of Forest Leaf Area Index. *Remote Sensing*, **2019**, 11, 390	5	10
322	Mapping leaf chlorophyll content from Sentinel-2 and RapidEye data in spruce stands using the invertible forest reflectance model. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 79, 58-70	7.3	49
321	Developing a two-step algorithm to estimate the leaf area index of forests with complex structures based on CHRIS/PROBA data. *Forest Ecology and Management*, **2019**, 441, 57-70	3.9	5
320	Sensitivity of Landsat-8 OLI and TIRS Data to Foliar Properties of Early Stage Bark Beetle (Ips typographus, L.) Infestation. *Remote Sensing*, **2019**, 11, 398	5	15
319	The next widespread bamboo flowering poses a massive risk to the giant panda. *Biological Conservation*, **2019**, 234, 180-187	6.2	8
318	Sentinel-2 accurately maps green-attack stage of European spruce bark beetle (Ips typographus, L.) compared with Landsat-8. *Remote Sensing in Ecology and Conservation*, **2019**, 5, 87-106	5.3	45
317	Advances in active fire detection using a multi-temporal method for next-generation geostationary satellite data. *International Journal of Digital Earth*, **2019**, 12, 1030-1045	3.9	14
316	Timing of red-edge and shortwave infrared reflectance critical for early stress detection induced by bark beetle (Ips typographus, L.) attack. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 82, 101900	7.3	12
315	Relating X-band SAR Backscattering to Leaf Area Index of Rice in Different Phenological Phases. *Remote Sensing*, **2019**, 11, 1462	5	7
314	Evaluating the performance of PROSPECT in the retrieval of leaf traits across canopy throughout the growing season. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 83, 101919	7.3	11

313	High fire disturbance in forests leads to longer recovery, but varies by forest type. *Remote Sensing in Ecology and Conservation*, **2019**, 5, 376-388	5.3	6
312	Comparison of terrestrial LiDAR and digital hemispherical photography for estimating leaf angle distribution in European broadleaf beech forests. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2019**, 158, 76-89	11.8	8
311	Quantification of occlusions influencing the tree stem curve retrieving from single-scan terrestrial laser scanning data. *Forest Ecosystems*, **2019**, 6,	3.8	7
310	Classification of Tree Species as Well as Standing Dead Trees Using Triple Wavelength ALS in a Temperate Forest. *Remote Sensing*, **2019**, 11, 2614	5	8
309	Comment on "The global tree restoration potential". *Science*, **2019**, 366,	33.3	22
308	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversity—Part I: Soil Characteristics. *Remote Sensing*, **2019**, 11, 2356	5	27
307	Estimation of forest leaf water content through inversion of a radiative transfer model from LiDAR and hyperspectral data. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 74, 120-129	7.3	16
306	A fusion approach to forest disturbance mapping using time series ensemble techniques. *Remote Sensing of Environment*, **2019**, 221, 188-197	13.2	28
305	Climate and land use changes will degrade the distribution of Rhododendrons in China. *Science of the Total Environment*, **2019**, 659, 515-528	10.2	27
304	ELSA: Entropy-based local indicator of spatial association. *Spatial Statistics*, **2019**, 29, 66-88	2.2	15
303	Leaf to canopy upscaling approach affects the estimation of canopy traits. *GIScience and Remote Sensing*, **2019**, 56, 554-575	4.8	14
302	Incorporating knowledge uncertainty into species distribution modelling. *Biodiversity and Conservation*, **2019**, 28, 571-588	3.4	3
301	Mapping forest canopy nitrogen content by inversion of coupled leaf-canopy radiative transfer models from airborne hyperspectral imagery. *Agricultural and Forest Meteorology*, **2018**, 253-254, 247-260	5.8	46
300	A simple terrain relief index for tuning slope-related parameters of LiDAR ground filtering algorithms. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 143, 181-190	11.8	11
299	Important LiDAR metrics for discriminating forest tree species in Central Europe. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 137, 163-174	11.8	70
298	Spectroscopic determination of leaf traits using infrared spectra. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 69, 237-250	7.3	13
297	Large off-nadir scan angle of airborne LiDAR can severely affect the estimates of forest structure metrics. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 136, 13-25	11.8	35
296	Selection of HyspIRI optimal band positions for the earth compositional mapping using HyTES data. *Remote Sensing of Environment*, **2018**, 206, 350-362	13.2	6

295	Connecting infrared spectra with plant traits to identify species. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 139, 183-200	11.8	13
294	Vegetation phenology from Sentinel-2 and field cameras for a Dutch barrier island. *Remote Sensing of Environment*, **2018**, 215, 517-529	13.2	98
293	Expansion of traditional land-use and deforestation: a case study of an adat forest in the Kandilo Subwatershed, East Kalimantan, Indonesia. *Journal of Forestry Research*, **2018**, 29, 495-513	2	12
292	European spruce bark beetle (Ips typographus, L.) green attack affects foliar reflectance and biochemical properties. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 64, 199-209	7.3	51
291	Night-day speed ratio of elephants as indicator of poaching levels. *Ecological Indicators*, **2018**, 84, 38-44	5.8	25
290	Impacts of future climate and land cover changes on threatened mammals in the semi-arid Chinese Altai Mountains. *Science of the Total Environment*, **2018**, 612, 775-787	10.2	39
289	Foliar and woody materials discriminated using terrestrial LiDAR in a mixed natural forest. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 64, 43-50	7.3	51
288	Understanding Forest Health with Remote Sensing, Part III: Requirements for a Scalable Multi-Source Forest Health Monitoring Network Based on Data Science Approaches. *Remote Sensing*, **2018**, 10, 1120	5	38
287	Adaptive stopping criterion for top-down segmentation of ALS point clouds in temperate coniferous forests. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 141, 265-274	11.8	14
286	Impact of Vertical Canopy Position on Leaf Spectral Properties and Traits across Multiple Species. *Remote Sensing*, **2018**, 10, 346	5	26
285	Heavy metal-induced stress in rice crops detected using multi-temporal Sentinel-2 satellite images. *Science of the Total Environment*, **2018**, 637-638, 18-29	10.2	37
284	Understanding and assessing vegetation health by in situ species and remote-sensing approaches. *Methods in Ecology and Evolution*, **2018**, 9, 1799-1809	7.7	29
283	Using Landsat Spectral Indices in Time-Series to Assess Wildfire Disturbance and Recovery. *Remote Sensing*, **2018**, 10, 460	5	53
282	Assessing trends and seasonal changes in elephant poaching risk at the small area level using spatio-temporal Bayesian modeling. *International Journal of Geographical Information Science*, **2018**, 32, 622-636	4.1	4
281	Remotely sensed spatial heterogeneity as an exploratory tool for taxonomic and functional diversity study. *Ecological Indicators*, **2018**, 85, 983-990	5.8	26
280	Monitoring the dynamics of surface water fraction from MODIS time series in a Mediterranean environment. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 66, 135-145	7.3	18
279	Building essential biodiversity variables (EBVs) of species distribution and abundance at a global scale. *Biological Reviews*, **2018**, 93, 600-625	13.5	145
278	Identification of Griffon Vulture's Flight Types Using High-Resolution Tracking Data. *International Journal of Environmental Research*, **2018**, 12, 313-325	2.9	4

277	Towards global data products of Essential Biodiversity Variables on species traits. *Nature Ecology and Evolution*, **2018**, 2, 1531-1540	12.3	100
276	Improving leaf area index (LAI) estimation by correcting for clumping and woody effects using terrestrial laser scanning. *Agricultural and Forest Meteorology*, **2018**, 263, 276-286	5.8	52
275	Estimating Fire Background Temperature at a Geostationary Scale: An Evaluation of Contextual Methods for AHI-8. *Remote Sensing*, **2018**, 10, 1368	5	7
274	Machine Learning Using Hyperspectral Data Inaccurately Predicts Plant Traits Under Spatial Dependency. *Remote Sensing*, **2018**, 10, 1263	5	15
273	Tree species classification using plant functional traits from LiDAR and hyperspectral data. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 73, 207-219	7.3	49
272	Climatic niche breadth can explain variation in geographical range size of alpine and subalpine plants. *International Journal of Geographical Information Science*, **2017**, 31, 190-212	4.1	28
271	Identifying leaf traits that signal stress in TIR spectra. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2017**, 125, 132-145	11.8	15
270	Specific leaf area estimation from leaf and canopy reflectance through optimization and validation of vegetation indices. *Agricultural and Forest Meteorology*, **2017**, 236, 162-174	5.8	32
269	Spatially detailed retrievals of spring phenology from single-season high-resolution image time series. *International Journal of Applied Earth Observation and Geoinformation*, **2017**, 59, 19-30	7.3	26
268	Retrieval of Specific Leaf Area From Landsat-8 Surface Reflectance Data Using Statistical and Physical Models. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2017**, 10, 3529-3536	4.7	21
267	Macroecological conclusions based on IUCN expert maps: A call for caution. *Global Ecology and Biogeography*, **2017**, 26, 930-941	6.1	35
266	Understanding the effect of landscape fragmentation and vegetation productivity on elephant habitat utilization in Amboseli ecosystem, Kenya. *African Journal of Ecology*, **2017**, 55, 259-269	0.8	8
265	The Naïve Overfitting Index Selection (NOIS): A new method to optimize model complexity for hyperspectral data. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2017**, 133, 61-74	11.8	12
264	Retrieving vegetation canopy water content from hyperspectral thermal measurements. *Agricultural and Forest Meteorology*, **2017**, 247, 365-375	5.8	19
263	Quantifying the Effects of Normalisation of Airborne LiDAR Intensity on Coniferous Forest Leaf Area Index Estimations. *Remote Sensing*, **2017**, 9, 163	5	15
262	Significant effect of topographic normalization of airborne LiDAR data on the retrieval of plant area index profile in mountainous forests. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2017**, 132, 77-87	11.8	13
261	Recovery of woody plant species richness in secondary forests in China: a meta-analysis. *Scientific Reports*, **2017**, 7, 10614	4.9	8
260	Assessing effect of rainfall on rate of alien shrub expansion in a southern African savanna. *African Journal of Range and Forage Science*, **2017**, 34, 39-44	1.5	4

259	Rhododendron diversity patterns and priority conservation areas in China. *Diversity and Distributions*, **2017**, 23, 1143-1156	5	20
258	Expert system for modelling stopover site selection by barnacle geese. *Ecological Modelling*, **2017**, 359, 398-405	3	2
257	Canopy leaf water content estimated using terrestrial LiDAR. *Agricultural and Forest Meteorology*, **2017**, 232, 152-162	5.8	38
256	Canopy foliar nitrogen retrieved from airborne hyperspectral imagery by correcting for canopy structure effects. *International Journal of Applied Earth Observation and Geoinformation*, **2017**, 54, 84-94	7.3	28
255	Elephants move faster in small fragments of low productivity in Amboseli ecosystems: Kenya. *Geocarto International*, **2017**, 32, 1243-1253	2.7	8
254	Monitoring biodiversity change through effective global coordination. *Current Opinion in Environmental Sustainability*, **2017**, 29, 158-169	7.2	83
253	Automatic Counting of Large Mammals from Very High Resolution Panchromatic Satellite Imagery. *Remote Sensing*, **2017**, 9, 878	5	31
252	THEORETICAL FRAMEWORK FOR SPATIAL PLANNING AND FOREST MANAGEMENT IN INDONESIA: SECURING THE BASIC RIGHTS FOR ADAT PEOPLE. *Indonesian Journal of Forestry Research*, **2017**, 4, 69-83	0.2	5
251	A high-resolution model of bat diversity and endemism for continental Africa. *Ecological Modelling*, **2016**, 320, 9-28	3	51
250	Elephant poaching risk assessed using spatial and non-spatial Bayesian models. *Ecological Modelling* , **2016**, 338, 60-68	3	12
249	PhD thesis: Avoid bias against junior researchers. *Nature*, **2016**, 537, 307	50.4	
248	Supervised learning events: direct observation of procedural skills pilot. *Occupational Medicine*, **2016**, 66, 656-661	2.1	2
247	Measuring the response of canopy emissivity spectra to leaf area index variation using thermal hyperspectral data. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 53, 40-47	7.3	13
246	Retrieval of forest leaf functional traits from HySpex imagery using radiative transfer models and continuous wavelet analysis. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2016**, 122, 68-80	11.8	34
245	Use of taxonomy to delineate spatial extent of atlas data for species distribution models. *Global Ecology and Biogeography*, **2016**, 25, 227-237	6.1	7
244	Generating spike-free digital surface models using LiDAR raw point clouds: A new approach for forestry applications. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 52, 104-114	7.3	41
243	Mapping pollination types with remote sensing. *Journal of Vegetation Science*, **2016**, 27, 999-1011	3.1	18
242	Changes in thermal infrared spectra of plants caused by temperature and water stress. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2016**, 111, 22-31	11.8	53

241	Estimating leaf functional traits by inversion of PROSPECT: Assessing leaf dry matter content and specific leaf area in mixed mountainous forest. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 45, 66-76	7.3	74
240	Hyper-temporal SPOT-NDVI dataset parameterization captures species distributions. *International Journal of Geographical Information Science*, **2016**, 30, 89-107	4.1	16
239	Space, time, connectivity and conflict in biological landscapes: the fourth special issue on spatial ecology. *International Journal of Geographical Information Science*, **2016**, 30, 1-4	4.1	52
238	Effects of Canopy Structural Variables on Retrieval of Leaf Dry Matter Content and Specific Leaf Area From Remotely Sensed Data. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2016**, 9, 898-909	4.7	26
237	Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest. *Remote Sensing*, **2016**, 8, 491	5	47
236	Predicting and understanding spatio-temporal dynamics of species recovery: implications for Asian crested ibis Nipponia nippon conservation in China. *Diversity and Distributions*, **2016**, 22, 893-904	5	14
235	Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. *Ecological Indicators*, **2016**, 70, 317-339	5.8	100
234	Environmental parameters linked to the last migratory stage of barnacle geese en route to their breeding sites. *Animal Behaviour*, **2016**, 118, 81-95	2.8	6
233	Using discrete-return airborne laser scanning to quantify number of canopy strata across diverse forest types. *Methods in Ecology and Evolution*, **2016**, 7, 700-712	7.7	30
232	Simple and robust methods for remote sensing of canopy chlorophyll content: a comparative analysis of hyperspectral data for different types of vegetation. *Plant, Cell and Environment*, **2016**, 39, 2609-2623	8.4	80
231	Estimation of regeneration coverage in a temperate forest by 3D segmentation using airborne laser scanning data. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 52, 252-262	7.3	25
230	Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions. *Remote Sensing in Ecology and Conservation*, **2016**, 2, 122-131	5.3	184
229	Retrieval of leaf area index in different plant species using thermal hyperspectral data. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2016**, 119, 390-401	11.8	33
228	Plant phenolics and absorption features in vegetation reflectance spectra near 1.66 □m. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 43, 55-83	7.3	90
227	Satellite- versus temperature-derived green wave indices for predicting the timing of spring migration of avian herbivores. *Ecological Indicators*, **2015**, 58, 322-331	5.8	16
226	Understanding Boswellia papyrifera tree secondary metabolites through bark spectral analysis. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 105, 30-37	11.8	4
225	How do two giant panda populations adapt to their habitats in the Qinling and Qionglai Mountains, China. *Environmental Science and Pollution Research*, **2015**, 22, 1175-85	5.1	14
224	Decline of traditional rice farming constrains the recovery of the endangered Asian crested ibis (Nipponia nippon). *Ambio*, **2015**, 44, 803-14	6.5	4

223	Comparative analysis of different retrieval methods for mapping grassland leaf area index using airborne imaging spectroscopy. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 43, 19-31	7.3	100
222	Effect of slope on treetop detection using a LiDAR Canopy Height Model. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 104, 44-52	11.8	63
221	New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities. *International Journal of Applied Earth Observation and Geoinformation* , **2015**, 39, 142-159	7.3	100
220	Multi-scale comparison of topographic complexity indices in relation to plant species richness. *Ecological Complexity*, **2015**, 22, 93-101	2.6	17
219	Leaf Nitrogen Content Indirectly Estimated by Leaf Traits Derived From the PROSPECT Model. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2015**, 8, 3172-3182	4.7	55
218	Applicability of the PROSPECT model for estimating protein and cellulose + lignin in fresh leaves. *Remote Sensing of Environment*, **2015**, 168, 205-218	13.2	73
217	Spatial and spatiotemporal clustering methods for detecting elephant poaching hotspots. *Ecological Modelling*, **2015**, 297, 180-186	3	21
216	Earth observation as a tool for tracking progress towards the Aichi Biodiversity Targets. *Remote Sensing in Ecology and Conservation*, **2015**, 1, 19-28	5.3	80
215	Understanding the Effects of ALS Pulse Density for Metric Retrieval across Diverse Forest Types. *Photogrammetric Engineering and Remote Sensing*, **2015**, 81, 625-635	1.6	23
214	A wavelet-based approach to evaluate the roles of structural and functional landscape heterogeneity in animal space use at multiple scales. *Ecography*, **2015**, 38, 740-750	6.5	7
213	Assessing MODIS GPP in Non-Forested Biomes in Water Limited Areas Using EC Tower Data. *Remote Sensing*, **2015**, 7, 3274-3292	5	5
212	Evaluating Different Methods for Grass Nutrient Estimation from Canopy Hyperspectral Reflectance. *Remote Sensing*, **2015**, 7, 5901-5917	5	26
211	Mapping Forest Canopy Height Across Large Areas by Upscaling ALS Estimates with Freely Available Satellite Data. *Remote Sensing*, **2015**, 7, 12563-12587	5	31
210	A Wavelet-Based Area Parameter for Indirectly Estimating Copper Concentration in Carex Leaves from Canopy Reflectance. *Remote Sensing*, **2015**, 7, 15340-15360	5	33
209	Environmental science: Agree on biodiversity metrics to track from space. *Nature*, **2015**, 523, 403-5	50.4	260
208	3D leaf water content mapping using terrestrial laser scanner backscatter intensity with radiometric correction. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 110, 14-23	11.8	46
207	Evaluation of MODIS Spectral Indices for Monitoring Hydrological Dynamics of a Small, Seasonally-Flooded Wetland in Southern Spain. *Wetlands*, **2015**, 35, 851-864	1.7	43
206	Potential of Sentinel-2 spectral configuration to assess rangeland quality. *Journal of Applied Remote Sensing*, **2015**, 9, 094096	1.4	61

205	Using Poaching Levels and Elephant Distribution to Assess the Conservation Efficacy of Private, Communal and Government Land in Northern Kenya. *PLoS ONE*, **2015**, 10, e0139079	3.7	29
204	Elephant movement closely tracks precipitation-driven vegetation dynamics in a Kenyan forest-savanna landscape. *Movement Ecology*, **2014**, 2, 2	4.6	63
203	Smallholder farms as stepping stone corridors for crop-raiding elephant in northern Tanzania: integration of Bayesian expert system and network simulator. *Ambio*, **2014**, 43, 149-61	6.5	25
202	Change detection in animal movement using discrete wavelet analysis. *Ecological Informatics*, **2014**, 20, 47-57	4.2	15
201	A comparison of data sources for creating a long-term time series of daily gridded solar radiation for Europe. *Solar Energy*, **2014**, 99, 152-171	6.8	54
200	Comparative analysis of different uni- and multi-variate methods for estimation of vegetation water content using hyper-spectral measurements. *International Journal of Applied Earth Observation and Geoinformation*, **2014**, 26, 1-11	7.3	82
199	Species distribution and diversity, habitat selection and connectivity: introduction to the Third Special Issue on Spatial Ecology. *International Journal of Geographical Information Science*, **2014**, 28, 1527-1530	4.1	3
198	Satellite-derived vegetation indices contribute significantly to the prediction of epiphyllous liverworts. *Ecological Indicators*, **2014**, 38, 72-80	5.8	26
197	Chemical variation in Jacobaea vulgaris is influenced by the interaction of season and vegetation successional stage. *Phytochemistry*, **2014**, 99, 86-94	4	19
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