Andrew K Skidmore

List of Publications by Year
in descending order

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374 papers	29,218 citations	6606 79 h-index	6990 154 g-index
383 all docs	383 docs citations	383 times ranked	30737 citing authors

#	Article	IF	Citations
1	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. Ecography, 2013, 36, 27-46.	2.1	6,250
2	Where is positional uncertainty a problem for species distribution modelling?. Ecography, 2014, 37, 191-203.	2.1	1,055
3	Improved monitoring of vegetation dynamics at very high latitudes: A new method using MODIS NDVI. Remote Sensing of Environment, 2006, 100, 321-334.	4.6	746
4	EFFECTS OF FIRE AND HERBIVORY ON THE STABILITY OF SAVANNA ECOSYSTEMS. Ecology, 2003, 84, 337-350.	1.5	585
5	Narrow band vegetation indices overcome the saturation problem in biomass estimation. International Journal of Remote Sensing, 2004, 25, 3999-4014.	1.3	563
6	Spectral discrimination of vegetation types in a coastal wetland. Remote Sensing of Environment, 2003, 85, 92-108.	4.6	465
7	Inversion of a radiative transfer model for estimating vegetation LAI and chlorophyll in a heterogeneous grassland. Remote Sensing of Environment, 2008, 112, 2592-2604.	4.6	459
8	Modelling topographic variation in solar radiation in a GIS environment. International Journal of Geographical Information Science, 1997, 11, 475-497.	2.2	433
9	A new technique for extracting the red edge position from hyperspectral data: The linear extrapolation method. Remote Sensing of Environment, 2006, 101, 181-193.	4.6	413
10	Allometric equations for estimating the above-ground biomass in tropical lowland Dipterocarp forests. Forest Ecology and Management, 2009, 257, 1684-1694.	1.4	405
11	Environmental science: Agree on biodiversity metrics to track from space. Nature, 2015, 523, 403-405.	13.7	329
12	LAI and chlorophyll estimation for a heterogeneous grassland using hyperspectral measurements. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 409-426.	4.9	328
13	Estimation of green grass/herb biomass from airborne hyperspectral imagery using spectral indices and partial least squares regression. International Journal of Applied Earth Observation and Geoinformation, 2007, 9, 414-424.	1.4	299
14	Next-generation Digital Earth. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11088-11094.	3.3	264
15	Predicting in situ pasture quality in the Kruger National Park, South Africa, using continuum-removed absorption features. Remote Sensing of Environment, 2004, 89, 393-408.	4.6	263
16	Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions. Remote Sensing in Ecology and Conservation, 2016, 2, 122-131.	2.2	243
17	Digital Earth 2020: towards the vision for the next decade. International Journal of Digital Earth, 2012, 5, 4-21.	1.6	238
18	Building essential biodiversity variables (<scp>EBV</scp>s) of species distribution and abundance at a global scale. Biological Reviews, 2018, 93, 600-625.	4.7	218

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19	Generating Pit-free Canopy Height Models from Airborne Lidar. Photogrammetric Engineering and Remote Sensing, 2014, 80, 863-872.	0.3	216
20	A comparison of techniques for calculating gradient and aspect from a gridded digital elevation model. International Journal of Geographical Information Science, 1989, 3, 323-334.	2.2	205
21	Red edge shift and biochemical content in grass canopies. ISPRS Journal of Photogrammetry and Remote Sensing, 2007, 62, 34-42.	4.9	197
22	Mapping grassland leaf area index with airborne hyperspectral imagery: A comparison study of statistical approaches and inversion of radiative transfer models. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 894-906.	4.9	170
23	Towards global data products of Essential Biodiversity Variables on species traits. Nature Ecology and Evolution, 2018, 2, 1531-1540.	3.4	163
24	An explanation of enhanced radar backscattering from flooded forests. International Journal of Remote Sensing, 1987, 8, 1093-1100.	1.3	162
25	Vegetation phenology from Sentinel-2 and field cameras for a Dutch barrier island. Remote Sensing of Environment, 2018, 215, 517-529.	4.6	153
26	Derivation of the red edge index using the MERIS standard band setting. International Journal of Remote Sensing, 2002, 23, 3169-3184.	1.3	150
27	Tropical mangrove species discrimination using hyperspectral data: A laboratory study. Estuarine, Coastal and Shelf Science, 2005, 65, 371-379.	0.9	148
28	Monitoring biodiversity change through effective global coordination. Current Opinion in Environmental Sustainability, 2017, 29, 158-169.	3.1	147
29	Spatial Heterogeneity and Irreversible Vegetation Change in Semiarid Grazing Systems. American Naturalist, 2002, 159, 209-218.	1.0	144
30	Population trends of large non-migratory wild herbivores and livestock in the Masai Mara ecosystem, Kenya, between 1977 and 1997. African Journal of Ecology, 2000, 38, 202-216.	0.4	141
31	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.	1.4	138
32	Integrating imaging spectroscopy and neural networks to map grass quality in the Kruger National Park, South Africa. Remote Sensing of Environment, 2004, 90, 104-115.	4.6	136
33	Spatial autocorrelation and the scaling of speciesâ€“environment relationships. Ecology, 2010, 91, 2455-2465.	1.5	136
34	Forage quality of savannas â€" Simultaneously mapping foliar protein and polyphenols for trees and grass using hyperspectral imagery. Remote Sensing of Environment, 2010, 114, 64-72.	4.6	134
35	Regional estimation of savanna grass nitrogen using the red-edge band of the spaceborne RapidEye sensor. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 151-162.	1.4	133
36	Exploring spectral discrimination of grass species in African rangelands. International Journal of Remote Sensing, 2001, 22, 3421-3434.	1.3	131

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37	Interannual variability of NDVI and species richness in Kenya. International Journal of Remote Sensing, 2002, 23, 285-298.	1.3	130
38	Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. Ecological Indicators, 2016, 70, 317-339.	2.6	129
39	Identifying plant species using mid-wave infrared (2.5â€“6Î¼m) and thermal infrared (8â€“14Î¼m) emissivity spectra. Remote Sensing of Environment, 2012, 118, 95-102.	4.6	127
40	Comparing accuracy assessments to infer superiority of image classification methods. International Journal of Remote Sensing, 2006, 27, 223-232.	1.3	126
41	Soil erosion dynamics response to landscape pattern. Science of the Total Environment, 2010, 408, 1358-1366.	3.9	124
42	Hyperspectral band depth analysis for a better estimation of grass biomass (Cenchrus ciliaris) measured under controlled laboratory conditions. International Journal of Applied Earth Observation and Geoinformation, 2004, 5, 87-96.	1.4	121
43	Long-term vegetation landscape pattern with non-point source nutrient pollution in upper stream of Yellow River basin. Journal of Hydrology, 2010, 389, 373-380.	2.3	120
44	Concurrent monitoring of vessels and water turbidity enhances the strength of evidence in remotely sensed dredging impact assessment. Water Research, 2007, 41, 3271-3280.	5.3	119
45	Soil erosion and sediment yield and their relationships with vegetation cover in upper stream of the Yellow River. Science of the Total Environment, 2010, 409, 396-403.	3.9	117
46	A hyperspectral band selector for plant species discrimination. ISPRS Journal of Photogrammetry and Remote Sensing, 2007, 62, 225-235.	4.9	116
47	Terrain position as mapped from a gridded digital elevation model. International Journal of Geographical Information Science, 1990, 4, 33-49.	2.2	114
48	Discriminating tropical grass (Cenchrus ciliaris) canopies grown under different nitrogen treatments using spectroradiometry. ISPRS Journal of Photogrammetry and Remote Sensing, 2003, 57, 263-272.	4.9	113
49	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.	1.4	111
50	Capturing the fugitive: Applying remote sensing to terrestrial animal distribution and diversity. International Journal of Applied Earth Observation and Geoinformation, 2007, 9, 1-20.	1.4	109
51	Plant phenolics and absorption features in vegetation reflectance spectra near 1.66 Î¼m. International Journal of Applied Earth Observation and Geoinformation, 2015, 43, 55-83.	1.4	109
52	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.	2.8	109
53	Estimation of vegetation LAI from hyperspectral reflectance data: Effects of soil type and plant architecture. International Journal of Applied Earth Observation and Geoinformation, 2008, 10, 358-373.	1.4	106
54	Mapping Coastal Vegetation Using an Expert System and Hyperspectral Imagery. Photogrammetric Engineering and Remote Sensing, 2004, 70, 703-715.	0.3	105

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55	Estimating tropical pasture quality at canopy level using band depth analysis with continuum removal in the visible domain. International Journal of Remote Sensing, 2005, 26, 1093-1108.	1.3	103
56	Continuum removed band depth analysis for detecting the effects of natural gas, methane and ethane on maize reflectance. Remote Sensing of Environment, 2006, 105, 262-270.	4.6	102
57	Nitrogen detection with hyperspectral normalized ratio indices across multiple plant species. International Journal of Remote Sensing, 2005, 26, 4083-4095.	1.3	101
58	Priority list of biodiversity metrics to observe from space. Nature Ecology and Evolution, 2021, 5, 896-906.	3.4	101
59	Spatio-temporal dynamics of global H5N1 outbreaks match bird migration patterns. Geospatial Health, 2009, 4, 65.	0.3	100
60	Leaf Area Index derivation from hyperspectral vegetation indicesand the red edge position. International Journal of Remote Sensing, 2009, 30, 6199-6218.	1.3	100
61	Mapping spatio-temporal variation of grassland quantity and quality using MERIS data and the PROSAIL model. Remote Sensing of Environment, 2012, 121, 415-425.	4.6	100
62	Water and nutrients alter herbaceous competitive effects on tree seedlings in a semiâ€arid savanna. Journal of Ecology, 2009, 97, 430-439.	1.9	99
63	Important LiDAR metrics for discriminating forest tree species in Central Europe. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 137, 163-174.	4.9	97
64	Earth observation as a tool for tracking progress towards the Aichi Biodiversity Targets. Remote Sensing in Ecology and Conservation, 2015, 1, 19-28.	2.2	96
65	Use of an expert system to map forest soils from a geographical information system. International Journal of Geographical Information Science, 1991, 5, 431-445.	2.2	95
66	Water-removed spectra increase the retrieval accuracy when estimating savanna grass nitrogen and phosphorus concentrations. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 408-417.	4.9	95
67	Sentinelâ€2 accurately maps greenâ€attack stage of European spruce bark beetle (Ips typographus, L.) compared with Landsatâ€8. Remote Sensing in Ecology and Conservation, 2019, 5, 87-106.	2.2	95
68	Spatial autocorrelation in predictors reduces the impact of positional uncertainty in occurrence data on species distribution modelling. Journal of Biogeography, 2011, 38, 1497-1509.	1.4	93
69	Applicability of the PROSPECT model for estimating protein and cellulose + lignin in fresh leaves. Remote Sensing of Environment, 2015, 168, 205-218.	4.6	93
70	Integration of classification methods for improvement of land-cover map accuracy. ISPRS Journal of Photogrammetry and Remote Sensing, 2002, 56, 257-268.	4.9	92
71	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.	1.4	92
72	Hyperspectral analysis of mangrove foliar chemistry using PLSR and support vector regression. International Journal of Remote Sensing, 2013, 34, 1724-1743.	1.3	91

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73	Retrieval of leaf water content spanning the visible to thermal infrared spectra. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 56-64.	4.9	91
74	Tracing glacial refugia of Triturus newts based on mitochondrial DNA phylogeography and species distribution modeling. Frontiers in Zoology, 2013, 10, 13.	0.9	89
75	Vegetation NDVI Linked to Temperature and Precipitation in the Upper Catchments of Yellow River. Environmental Modeling and Assessment, 2012, 17, 389-398.	1.2	88
76	A groundâ€validated NDVI dataset for monitoring vegetation dynamics and mapping phenology in Fennoscandia and the Kola peninsula. International Journal of Remote Sensing, 2007, 28, 4311-4330.	1.3	87
77	Effect of slope on treetop detection using a LiDAR Canopy Height Model. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 104, 44-52.	4.9	86
78	Elephant movement closely tracks precipitation-driven vegetation dynamics in a Kenyan forest-savanna landscape. Movement Ecology, 2014, 2, 2.	1.3	84
79	Non-linear partial least square regression increases the estimation accuracy of grass nitrogen and phosphorus using in situ hyperspectral and environmental data. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 82, 27-40.	4.9	83
80	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.	1.4	83
81	An accurate retrieval of leaf water content from mid to thermal infrared spectra using continuous wavelet analysis. Science of the Total Environment, 2012, 437, 145-152.	3.9	81
82	Using Landsat Spectral Indices in Time-Series to Assess Wildfire Disturbance and Recovery. Remote Sensing, 2018, 10, 460.	1.8	81
83	Dry season mapping of savanna forage quality, using the hyperspectral Carnegie Airborne Observatory sensor. Remote Sensing of Environment, 2011, 115, 1478-1488.	4.6	80
84	The spatial scaling of habitat selection by African elephants. Journal of Animal Ecology, 2011, 80, 270-281.	1.3	78
85	Changes in thermal infrared spectra of plants caused by temperature and water stress. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 111, 22-31.	4.9	78
86	Remotely sensed estimation of forest canopy density: A comparison of the performance of four methods. International Journal of Applied Earth Observation and Geoinformation, 2006, 8, 84-95.	1.4	77
87	Identifying habitat patches and potential ecological corridors for remnant Asiatic black bear (Ursus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	77
88	Comparison of MODIS and Landsat TM5 images for mapping tempoâ€“spatial dynamics of Secchi disk depths in Poyang Lake National Nature Reserve, China. International Journal of Remote Sensing, 2008, 29, 2183-2198.	1.3	75
89	GIANT PANDA HABITAT SELECTION IN FOPING NATURE RESERVE, CHINA. Journal of Wildlife Management, 2005, 69, 1623-1632.	0.7	74
90	Imaging Spectrometry and Vegetation Science. Remote Sensing and Digital Image Processing, 2002, , 111-155.	0.7	73

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91	Potential of Sentinel-2 spectral configuration to assess rangeland quality. Journal of Applied Remote Sensing, 2015, 9, 094096.	0.6	73
92	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.	2.3	73
93	A high-resolution model of bat diversity and endemism for continental Africa. Ecological Modelling, 2016, 320, 9-28.	1.2	72
94	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.	1.4	71
95	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.	1.9	70
96	Spatial distribution of lion kills determined by the water dependency of prey species. Journal of Mammalogy, 2010, 91, 1280-1286.	0.6	69
97	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.	2.9	69
98	Biogeographical patterns derived from remote sensing variables: the amphibians and reptiles of the Iberian Peninsula. Amphibia - Reptilia, 2009, 30, 185-206.	0.1	67
99	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.	1.9	67
100	The response of elephants to the spatial heterogeneity of vegetation in a Southern African agricultural landscape. Landscape Ecology, 2005, 20, 217-234.	1.9	66
101	The effects of high soil CO‹sub›2‹/sub›concentrations on leaf reflectance of maize plants. International Journal of Remote Sensing, 2009, 30, 481-497.	1.3	66
102	Estimation of grassland biomass and nitrogen using MERIS data. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 196-204.	1.4	66
103	Macroecological conclusions based on IUCN expert maps: A call for caution. Global Ecology and Biogeography, 2017, 26, 930-941.	2.7	66
104	Smoothing vegetation spectra with wavelets. International Journal of Remote Sensing, 2004, 25, 1167-1184.	1.3	65
105	Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest. Remote Sensing, 2016, 8, 491.	1.8	63
106	Tree species classification using plant functional traits from LiDAR and hyperspectral data. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 207-219.	1.4	63
107	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.	1.8	63
108	Migratory Herbivorous Waterfowl Track Satellite-Derived Green Wave Index. PLoS ONE, 2014, 9, e108331.	1.1	63

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109	Using a Genetic Algorithm as an Optimal Band Selector in the Mid and Thermal Infrared (2.5â€“14 Âµm) to Discriminate Vegetation Species. Sensors, 2012, 12, 8755-8769.	2.1	62
110	Towards redâ€edge positions less sensitive to canopy biophysical parameters for leaf chlorophyll estimation using properties optique spectrales des feuilles (PROSPECT) and scattering by arbitrarily inclined leaves (SAILH) simulated data. International Journal of Remote Sensing, 2008, 29, 2241-2255.	1.3	61
111	Estimating land-surface temperature under clouds using MSG/SEVIRI observations. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 265-276.	1.4	61
112	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.	1.4	61
113	Evaluation of three proposed indices for the retrieval of leaf water content from the mid-wave infrared (2â€“6Î¼m) spectra. Agricultural and Forest Meteorology, 2013, 171-172, 65-71.	1.9	60
114	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.	4.9	60
115	Geospatial tools address emerging issues in spatial ecology: a review and commentary on the Special Issue. International Journal of Geographical Information Science, 2011, 25, 337-365.	2.2	59
116	Mapping non-wood forest product (matsutake mushrooms) using logistic regression and a GIS expert system. Ecological Modelling, 2006, 198, 208-218.	1.2	58
117	Environmental Factors Influencing the Spread of the Highly Pathogenic Avian Influenza H5N1 Virus in wild birds in Europe. Ecology and Society, 2010, 15, .	1.0	58
118	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.	3.9	58
119	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.	1.4	57
120	Climate and land use changes will degrade the distribution of Rhododendrons in China. Science of the Total Environment, 2019, 659, 515-528.	3.9	57
121	Hyperspectral indices for detecting changes in canopy reflectance as a result of underground natural gas leakage. International Journal of Remote Sensing, 2008, 29, 5987-6008.	1.3	56
122	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.	2.2	56
123	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.	1.4	55
124	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.	3.9	55
125	Can nutrient status of four woody plant species be predicted using field spectrometry?. ISPRS Journal of Photogrammetry and Remote Sensing, 2007, 62, 406-414.	4.9	52
126	Hyperspectral predictors for monitoring biomass production in Mediterranean mountain grasslands: Majella National Park, Italy. International Journal of Remote Sensing, 2009, 30, 499-515.	1.3	52

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127	Predicting foliar biochemistry of tea (Camellia sinensis) using reflectance spectra measured at powder, leaf and canopy levels. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 78, 148-156.	4.9	52
128	Spotting East African Mammals in Open Savannah from Space. PLoS ONE, 2014, 9, e115989.	1.1	52
129	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.	4.9	52
130	A fusion approach to forest disturbance mapping using time series ensemble techniques. Remote Sensing of Environment, 2019, 221, 188-197.	4.6	51
131	MERIS and the red-edge position. International Journal of Applied Earth Observation and Geoinformation, 2001, 3, 313-320.	1.4	50
132	Explaining grassâ€nutrient patterns in a savanna rangeland of southern Africa. Journal of Biogeography, 2004, 31, 819-829.	1.4	50
133	A post-classifier for mangrove mapping using ecological data. ISPRS Journal of Photogrammetry and Remote Sensing, 2006, 61, 1-10.	4.9	50
134	Soil nutrient status determines how elephant utilize trees and shape environments. Journal of Animal Ecology, 2011, 80, 875-883.	1.3	50
135	Retrieval of leaf area index in different plant species using thermal hyperspectral data. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 390-401.	4.9	50
136	Sensing Solutions for Collecting Spatio-Temporal Data for Wildlife Monitoring Applications: A Review. Sensors, 2013, 13, 6054-6088.	2.1	49
137	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.	4.9	49
138	Will the Three Gorges Dam affect the underwater light climate of VallisneriaÂspiralis L. and food habitat of Siberian crane in Poyang Lake?. Hydrobiologia, 2009, 623, 213-222.	1.0	47
139	Automatic Counting of Large Mammals from Very High Resolution Panchromatic Satellite Imagery. Remote Sensing, 2017, 9, 878.	1.8	47
140	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.	1.4	47
141	Classification of kangaroo habitat distribution using three GIS models. International Journal of Geographical Information Science, 1996, 10, 441-454.	2.2	46
142	Canopy leaf water content estimated using terrestrial LiDAR. Agricultural and Forest Meteorology, 2017, 232, 152-162.	1.9	46
143	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversityâ€”Part I: Soil Characteristics. Remote Sensing, 2019, 11, 2356.	1.8	46
144	Neural Networks, Multitemporal Landsat Thematic Mapper Data and Topographic Data to Classify Forest Damages in the Czech Republic. Canadian Journal of Remote Sensing, 1997, 23, 217-229.	1.1	45

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145	Evaluation of MODIS Spectral Indices for Monitoring Hydrological Dynamics of a Small, Seasonally-Flooded Wetland in Southern Spain. Wetlands, 2015, 35, 851-864.	0.7	45
146	Understanding and assessing vegetation health by in situ species and remoteâ€sensing approaches. Methods in Ecology and Evolution, 2018, 9, 1799-1809.	2.2	45
147	African Elephants Loxodonta africana Amplify Browse Heterogeneity in African Savanna. Biotropica, 2011, 43, 711-721.	0.8	44
148	Estimating tropical forest biomass more accurately by integrating ALOS PALSAR and Landsat-7 ETM+ data. International Journal of Remote Sensing, 2013, 34, 4871-4888.	1.3	44
149	Mapping Forest Canopy Height Across Large Areas by Upscaling ALS Estimates with Freely Available Satellite Data. Remote Sensing, 2015, 7, 12563-12587.	1.8	44
150	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.	1.8	44
151	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.	1.4	42
152	Leaf level experiments to discriminate between eucalyptus species using high spectral resolution reflectance data: use of derivatives, ratios and vegetation indices. Geocarto International, 2010, 25, 327-344.	1.7	41
153	Identifying transit corridors for elephant using a long time-series. International Journal of Applied Earth Observation and Geoinformation, 2012, 14, 61-72.	1.4	41
154	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.	4.9	41
155	Mapping habitat and biological diversity in the Maasai Mara ecosystem. International Journal of Remote Sensing, 2003, 24, 1053-1069.	1.3	40
156	Specific leaf area estimation from leaf and canopy reflectance through optimization and validation of vegetation indices. Agricultural and Forest Meteorology, 2017, 236, 162-174.	1.9	40
157	Complementarity of Two Rice Mapping Approaches: Characterizing Strata Mapped by Hypertemporal MODIS and Rice Paddy Identification Using Multitemporal SAR. Remote Sensing, 2014, 6, 12789-12814.	1.8	39
158	Performance of Landsat TM in ship detection in turbid waters. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 54-61.	1.4	38
159	A Wavelet-Based Area Parameter for Indirectly Estimating Copper Concentration in Carex Leaves from Canopy Reflectance. Remote Sensing, 2015, 7, 15340-15360.	1.8	38
160	Rhododendron diversity patterns and priority conservation areas in China. Diversity and Distributions, 2017, 23, 1143-1156.	1.9	38
161	Distribution of Barnacle GeeseBranta leucopsisin Relation to Food Resources, Distance to Roosts, and the Location of Refuges. Ardea, 2011, 99, 217-226.	0.3	37
162	Remote sensing of forage nutrients: Combining ecological and spectral absorption feature data. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 72, 27-35.	4.9	37

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163	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.	2.2	37
164	Night-day speed ratio of elephants as indicator of poaching levels. Ecological Indicators, 2018, 84, 38-44.	2.6	37
165	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.	1.1	37
166	Spatial scale variations in vegetation indices and above-ground biomass estimates: Implications for MERIS. International Journal of Remote Sensing, 2001, 22, 3381-3396.	1.3	36
167	Indirect remote sensing of a cryptic forest understorey invasive species. Forest Ecology and Management, 2006, 225, 245-256.	1.4	36
168	The ranging patterns of elephants in Marsabit protected area, Kenya: the use of satelliteâ€linked GPS collars. African Journal of Ecology, 2010, 48, 386-400.	0.4	36
169	Mapping beech (Fagus sylvatica L.) forest structure with airborne hyperspectral imagery. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 201-211.	1.4	36
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