Tiejun Wang

List of Publications by Year in Descending Order

181 papers	**5,314** citations	**40** h-index	**62** g-index
191 ext. papers	**6,447** ext. citations	**5.9** avg, IF	**6.19** L-index

#	Paper	IF	Citations
181	Developing a 3D clumping index model to improve optical measurement accuracy of crop leaf area index. *Field Crops Research*, **2022**, 275, 108361	5.5	
180	A bottom-up practitioner-derived set of Essential Variables for Protected Area management. *Environmental and Sustainability Indicators*, **2022**, 14, 100179	3.5	
179	Understanding the Impact of Vertical Canopy Position on Leaf Spectra and Traits in an Evergreen Broadleaved Forest. *Remote Sensing*, **2021**, 13, 5057	5	0
178	Priority list of biodiversity metrics to observe from space. *Nature Ecology and Evolution*, **2021**, 5, 896-906	12.3	30
177	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
176	Low-elevation endemic Rhododendrons in China are highly vulnerable to climate and land use change. *Ecological Indicators*, **2021**, 126, 107699	5.8	2
175	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
174	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
173	Satellite-based habitat monitoring reveals long-term dynamics of deer habitat in response to forest disturbances. *Ecological Applications*, **2021**, 31, e2269	4.9	3
172	African elephant (Loxodonta africana) select less fragmented landscapes to connect core habitats in human-dominated landscapes. *African Journal of Ecology*, **2021**, 59, 370-377	0.8	1
171	Dispersal ability, trophic position and body size mediate species turnover processes: Insights from a multi-taxa and multi-scale approach. *Diversity and Distributions*, **2021**, 27, 439-453	5	3
170	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
169	Comparative Evaluation of Algorithms for Leaf Area Index Estimation from Digital Hemispherical Photography through Virtual Forests. *Remote Sensing*, **2021**, 13, 3325	5	3
168	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
167	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
166	An old-growth subtropical evergreen broadleaved forest suffered more damage from Typhoon Mangkhut than an adjacent secondary forest. *Forest Ecology and Management*, **2021**, 496, 119433	3.9	5
165	Using very-high-resolution satellite imagery and deep learning to detect and count African elephants in heterogeneous landscapes. *Remote Sensing in Ecology and Conservation*, **2021**, 7, 369-381	5.3	16

164	Mapping Canopy Chlorophyll Content in a Temperate Forest Using Airborne Hyperspectral Data. *Remote Sensing*, **2020**, 12, 3573	5	9
163	Large-scale variation in birth timing and synchrony of a large herbivore along the latitudinal and altitudinal gradients. *Journal of Animal Ecology*, **2020**, 89, 1906-1917	4.7	6
162	Carcass provisioning for scavenger conservation in a temperate forest ecosystem. *Ecosphere*, **2020**, 11, e03063	3.1	5
161	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
160	Evaluating Prediction Models for Mapping Canopy Chlorophyll Content Across Biomes. *Remote Sensing*, **2020**, 12, 1788	5	6
159	Landscape predictors of human-leopard conflicts within multi-use areas of the Himalayan region. *Scientific Reports*, **2020**, 10, 11129	4.9	11
158	The influence of camera trap flash type on the behavioural reactions and trapping rates of red deer and roe deer. *Remote Sensing in Ecology and Conservation*, **2020**, 6, 399-410	5.3	3
157	Worsening of tree-related public health issues under climate change. *Nature Plants*, **2020**, 6, 48	11.5	6
156	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
155	Large-Scale Mapping of Tree Species and Dead Trees in Šumava National Park and Bavarian Forest National Park Using Lidar and Multispectral Imagery. *Remote Sensing*, **2020**, 12, 661	5	17
154	A Refined Four-Stream Radiative Transfer Model for Row-Planted Crops. *Remote Sensing*, **2020**, 12, 1290	5	3
153	Influence of selected habitat and stand factors on bark beetle Ips typographus (L.) outbreak in the Białowieża Forest. *Forest Ecology and Management*, **2020**, 459, 117826	3.9	19
152	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
151	Investigating spatial non-stationary environmental effects on the distribution of giant pandas in the Qinling Mountains, China. *Global Ecology and Conservation*, **2020**, 21, e00894	2.8	3
150	Network structure of vertebrate scavenger assemblages at the global scale: drivers and ecosystem functioning implications. *Ecography*, **2020**, 43, 1143-1155	6.5	21
149	Individual Movement - Sequence Analysis Method (IM-SAM): characterizing spatio-temporal patterns of animal habitat use across landscapes. *International Journal of Geographical Information Science*, **2020**, 34, 1530-1551	4.1	8
148	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
147	Habitat metrics based on multi-temporal Landsat imagery for mapping large mammal habitat. *Remote Sensing in Ecology and Conservation*, **2020**, 6, 52-69	5.3	19

146	The moss genus Didymodon as an indicator of climate change on the Tibetan Plateau. *Ecological Indicators*, **2020**, 113, 106204	5.8	10
145	The boon and bane of boldness: movement syndrome as saviour and sink for population genetic diversity. *Movement Ecology*, **2020**, 8, 16	4.6	2
144	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
143	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
142	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
141	A Novel Approach for the Detection of Standing Tree Stems from Plot-Level Terrestrial Laser Scanning Data. *Remote Sensing*, **2019**, 11, 211	5	55
140	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
139	Comparison of Landsat-8 and Sentinel-2 Data for Estimation of Leaf Area Index in Temperate Forests. *Remote Sensing*, **2019**, 11, 1160	5	34
138	Heavy metal pollution at mine sites estimated from reflectance spectroscopy following correction for skewed data. *Environmental Pollution*, **2019**, 252, 1117-1124	9.3	15
137	Poaching lowers elephant path tortuosity: implications for conservation. *Journal of Wildlife Management*, **2019**, 83, 1022-1031	1.9	8
136	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
135	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
134	Evaluating a collaborative decision-analytic approach to inform conservation decision-making in transboundary regions. *Land Use Policy*, **2019**, 83, 282-296	5.6	11
133	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
132	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
131	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
130	Radar vision in the mapping of forest biodiversity from space. *Nature Communications*, **2019**, 10, 4757	17.4	28
129	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

128	Quantification of occlusions influencing the tree stem curve retrieving from single-scan terrestrial laser scanning data. *Forest Ecosystems*, **2019**, 6,	3.8	7
127	Rocks rock: the importance of rock formations as resting sites of the Eurasian lynx Lynx lynx. *Wildlife Biology*, **2019**, 2019,	1.7	4
126	A Review: Individual Tree Species Classification Using Integrated Airborne LiDAR and Optical Imagery with a Focus on the Urban Environment. *Forests*, **2019**, 10, 1	2.8	146
125	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
124	An assessment of human impacts on endangered red pandas () living in the Himalaya. *Ecology and Evolution*, **2019**, 9, 13413-13425	2.8	12
123	Comment on "The global tree restoration potential". *Science*, **2019**, 366,	33.3	22
122	Developing a New Spectral Index for Detecting Cadmium-Induced Stress in Rice on a Regional Scale. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	4
121	Does Public Participation Shift German National Park Priorities Away from Nature Conservation?. *Environmental Conservation*, **2019**, 46, 84-91	3.3	5
120	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
119	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
118	Leaf to canopy upscaling approach affects the estimation of canopy traits. *GIScience and Remote Sensing*, **2019**, 56, 554-575	4.8	14
117	Application of optical unmanned aerial vehicle-based imagery for the inventory of natural regeneration and standing deadwood in post-disturbed spruce forests. *International Journal of Remote Sensing*, **2018**, 39, 5288-5309	3.1	18
116	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
115	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
114	Synthetic RapidEye data used for the detection of area-based spruce tree mortality induced by bark beetles. *GIScience and Remote Sensing*, **2018**, 55, 839-859	4.8	15
113	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
112	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
111	Vegetation phenology from Sentinel-2 and field cameras for a Dutch barrier island. *Remote Sensing of Environment*, **2018**, 215, 517-529	13.2	98

110	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
109	Night-day speed ratio of elephants as indicator of poaching levels. *Ecological Indicators*, **2018**, 84, 38-44	5.8	25
108	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
107	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
106	Forest structure following natural disturbances and early succession provides habitat for two avian flagship species, capercaillie (Tetrao urogallus) and hazel grouse (Tetrastes bonasia). *Biological Conservation*, **2018**, 226, 81-91	6.2	18
105	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
104	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
103	Impact of Vertical Canopy Position on Leaf Spectral Properties and Traits across Multiple Species. *Remote Sensing*, **2018**, 10, 346	5	26
102	Biodiversity along temperate forest succession. *Journal of Applied Ecology*, **2018**, 55, 2756-2766	5.8	93
101	Integrating LiDAR and high-resolution imagery for object-based mapping of forest habitats in a heterogeneous temperate forest landscape. *International Journal of Remote Sensing*, **2018**, 39, 8859-8884	3.1	21
100	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
99	Past distribution of epiphyllous liverworts in China: The usability of historical data. *Ecology and Evolution*, **2018**, 8, 7436-7450	2.8	5
98	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
97	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
96	An efficient method to exploit LiDAR data in animal ecology. *Methods in Ecology and Evolution*, **2018**, 9, 893-904	7.7	13
95	Evaluation of Collection-6 MODIS Land Surface Temperature Product Using Multi-Year Ground Measurements in an Arid Area of Northwest China. *Remote Sensing*, **2018**, 10, 1852	5	25
94	Remotely Sensed Single Tree Data Enable the Determination of Habitat Thresholds for the Three-Toed Woodpecker (Picoides tridactylus). *Remote Sensing*, **2018**, 10, 1972	5	17
93	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

92	Detection of windthrows and insect outbreaks by L-band SAR: A case study in the Bavarian Forest National Park. *Remote Sensing of Environment*, **2018**, 209, 700-711	13.2	38
91	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
90	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
89	European Roe Deer Increase Vigilance When Faced with Immediate Predation Risk by Eurasian Lynx. *Ethology*, **2017**, 123, 30-40	1.7	11
88	Migration in geographic and ecological space by a large herbivore. *Ecological Monographs*, **2017**, 87, 297-320	7.3	37
87	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
86	A voting-based statistical cylinder detection framework applied to fallen tree mapping in terrestrial laser scanning point clouds. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2017**, 129, 118-130	11.8	14
85	Plastic response by a small cervid to supplemental feeding in winter across a wide environmental gradient. *Ecosphere*, **2017**, 8, e01629	3.1	21
84	A Bayesian hierarchical model for estimating spatial and temporal variation in vegetation phenology from Landsat time series. *Remote Sensing of Environment*, **2017**, 194, 155-160	13.2	34
83	An experimental test of the habitat-amount hypothesis for saproxylic beetles in a forested region. *Ecology*, **2017**, 98, 1613-1622	4.6	54
82	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
81	Individual-tree- and stand-based development following natural disturbance in a heterogeneously structured forest: A LiDAR-based approach. *Ecological Informatics*, **2017**, 38, 12-25	4.2	11
80	Quantifying the Effects of Normalisation of Airborne LiDAR Intensity on Coniferous Forest Leaf Area Index Estimations. *Remote Sensing*, **2017**, 9, 163	5	15
79	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
78	Rhododendron diversity patterns and priority conservation areas in China. *Diversity and Distributions*, **2017**, 23, 1143-1156	5	20
77	Linking annual variations of roe deer bag records to large-scale winter conditions: spatio-temporal development in Europe between 1961 and 2013. *European Journal of Wildlife Research*, **2017**, 63, 1	2	4
76	Canopy leaf water content estimated using terrestrial LiDAR. *Agricultural and Forest Meteorology*, **2017**, 232, 152-162	5.8	38
75	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

74	Elephants move faster in small fragments of low productivity in Amboseli ecosystems: Kenya. *Geocarto International*, **2017**, 32, 1243-1253	2.7	8
73	Internal Migration and Land Use and Land Cover Changes in the Middle Mountains of Nepal. *Mountain Research and Development*, **2017**, 37, 446	1.4	21
72	Multi-model estimation of understorey shrub, herb and moss cover in temperate forest stands by laser scanner data. *Forestry*, **2017**,	2.2	3
71	Automatic Counting of Large Mammals from Very High Resolution Panchromatic Satellite Imagery. *Remote Sensing*, **2017**, 9, 878	5	31
70	Estimating over- and understorey canopy density of temperate mixed stands by airborne LiDAR data. *Forestry*, **2016**, 89, 69-81	2.2	42
69	Elephant poaching risk assessed using spatial and non-spatial Bayesian models. *Ecological Modelling* , **2016**, 338, 60-68	3	12
68	Kamala tree as an indicator of the presence of Asian elephants during the dry season in the Shivalik landscape of northwestern India. *Ecological Indicators*, **2016**, 71, 239-247	5.8	4
67	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
66	In Situ/Remote Sensing Integration to Assess Forest Health—A Review. *Remote Sensing*, **2016**, 8, 471	5	50
65	Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest. *Remote Sensing*, **2016**, 8, 491	5	47
64	Understanding Forest Health with Remote Sensing -Part I—A Review of Spectral Traits, Processes and Remote-Sensing Characteristics. *Remote Sensing*, **2016**, 8, 1029	5	88
63	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
62	Green wave tracking by large herbivores: an experimental approach. *Ecology*, **2016**, 97, 3547-3553	4.6	31
61	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
60	Forest inventories by LiDAR data: A comparison of single tree segmentation and metric-based methods for inventories of a heterogeneous temperate forest. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 42, 162-174	7.3	48
59	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
58	Decline of traditional rice farming constrains the recovery of the endangered Asian crested ibis (Nipponia nippon). *Ambio*, **2015**, 44, 803-14	6.5	4
57	A novel multi-parameter support vector machine for image classification. *International Journal of Remote Sensing*, **2015**, 36, 1890-1906	3.1	11

56	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
55	Multi-scale comparison of topographic complexity indices in relation to plant species richness. *Ecological Complexity*, **2015**, 22, 93-101	2.6	17
54	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
53	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
52	Spatial and spatiotemporal clustering methods for detecting elephant poaching hotspots. *Ecological Modelling*, **2015**, 297, 180-186	3	21
51	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
50	Evaluating Different Methods for Grass Nutrient Estimation from Canopy Hyperspectral Reflectance. *Remote Sensing*, **2015**, 7, 5901-5917	5	26
49	A Wavelet-Based Area Parameter for Indirectly Estimating Copper Concentration in Carex Leaves from Canopy Reflectance. *Remote Sensing*, **2015**, 7, 15340-15360	5	33
48	Country, cover or protection: what shapes the distribution of red deer and roe deer in the Bohemian Forest Ecosystem?. *PLoS ONE*, **2015**, 10, e0120960	3.7	24
47	Patterns of Lynx Predation at the Interface between Protected Areas and Multi-Use Landscapes in Central Europe. *PLoS ONE*, **2015**, 10, e0138139	3.7	10
46	Environmental science: Agree on biodiversity metrics to track from space. *Nature*, **2015**, 523, 403-5	50.4	260
45	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
44	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
43	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
42	Small beetle, large-scale drivers: how regional and landscape factors affect outbreaks of the European spruce bark beetle. *Journal of Applied Ecology*, **2015**, 53, 530-540	5.8	120
41	Change detection in animal movement using discrete wavelet analysis. *Ecological Informatics*, **2014**, 20, 47-57	4.2	15
40	Reduction in browsing intensity may not compensate climate change effects on tree species composition in the Bavarian Forest National Park. *Forest Ecology and Management*, **2014**, 328, 179-192	3.9	65
39	Satellite-derived vegetation indices contribute significantly to the prediction of epiphyllous liverworts. *Ecological Indicators*, **2014**, 38, 72-80	5.8	26

38	Generating Pit-free Canopy Height Models from Airborne Lidar. *Photogrammetric Engineering and Remote Sensing*, **2014**, 80, 863-872	1.6	151
37	Joint effects of habitat heterogeneity and species' life-history traits on population dynamics in spatially structured landscapes. *PLoS ONE*, **2014**, 9, e107742	3.7	6
36	Activity patterns of Eurasian lynx are modulated by light regime and individual traits over a wide latitudinal range. *PLoS ONE*, **2014**, 9, e114143	3.7	42
35	Spotting East African mammals in open savannah from space. *PLoS ONE*, **2014**, 9, e115989	3.7	44
34	Reduced dependence of Crested Ibis on winter-flooded rice fields: implications for their conservation. *PLoS ONE*, **2014**, 9, e98690	3.7	11
33	Migratory herbivorous waterfowl track satellite-derived green wave index. *PLoS ONE*, **2014**, 9, e108331	3.7	45
32	Within-patch habitat quality determines the resilience of specialist species in fragmented landscapes. *Landscape Ecology*, **2013**, 28, 135-147	4.3	17
31	Spatial pattern of habitat quality modulates population persistence in fragmented landscapes. *Ecological Research*, **2013**, 28, 949-958	1.9	5
30	Hyper-temporal remote sensing helps in relating epiphyllous liverworts and evergreen forests. *Journal of Vegetation Science*, **2013**, 24, 214-226	3.1	12
29	Spatio-temporal infestation patterns of Ips typographus (L.) in the Bavarian Forest National Park, Germany. *Ecological Indicators*, **2013**, 31, 73-81	5.8	63
28	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	11.8	38
27	Scale-dependent habitat selection by reintroduced Eld's deer (Cervus eldi) in a human-dominated landscape. *Wildlife Research*, **2013**, 40, 217	1.8	6
26	Predicting micro thermal habitat of lizards in a dynamic thermal environment. *Ecological Modelling*, **2012**, 231, 126-133	3	6
25	Mapping spatio-temporal variation of grassland quantity and quality using MERIS data and the PROSAIL model. *Remote Sensing of Environment*, **2012**, 121, 415-425	13.2	79
24	Tree species classification and estimation of stem volume and DBH based on single tree extraction by exploiting airborne full-waveform LiDAR data. *Remote Sensing of Environment*, **2012**, 123, 368-380	13.2	210
23	A body temperature model for lizards as estimated from the thermal environment. *Journal of Thermal Biology*, **2012**, 37, 56-64	2.9	17
22	Integration of multi-sensor data to assess grassland dynamics in a Yellow River sub-watershed. *Ecological Indicators*, **2012**, 18, 163-170	5.8	25
21	Estimating land-surface temperature under clouds using MSG/SEVIRI observations. *International Journal of Applied Earth Observation and Geoinformation*, **2011**, 13, 265-276	7.3	55

20	Distribution of Barnacle GeeseBranta leucopsisin Relation to Food Resources, Distance to Roosts, and the Location of Refuges. *Ardea*, **2011**, 99, 217-226	0.9	29
19	Characterizing the spatial distribution of giant pandas (Ailuropoda melanoleuca) in fragmented forest landscapes. *Journal of Biogeography*, **2010**, 37, 865-878	4.1	26
18	Environmental Factors Influencing the Spread of the Highly Pathogenic Avian Influenza H5N1 Virus in wild birds in Europe. *Ecology and Society*, **2010**, 15,	4.1	40
17	Effects of plant phenology and solar radiation on seasonal movement of golden takin in the Qinling Mountains, China. *Journal of Mammalogy*, **2010**,	1.8	2
16	Effects of plant phenology and solar radiation on seasonal movement of golden takin in the Qinling Mountains, China. *Journal of Mammalogy*, **2010**, 91, 92-100	1.8	28
15	Migration Patterns of Two Endangered Sympatric Species from a Remote Sensing Perspective. *Photogrammetric Engineering and Remote Sensing*, **2010**, 76, 1343-1352	1.6	16
14	Reflectance Spectroscopy of Biochemical Components as Indicators of Tea (Camellia Sinensis) Quality. *Photogrammetric Engineering and Remote Sensing*, **2010**, 76, 1385-1392	1.6	18
13	Soil erosion dynamics response to landscape pattern. *Science of the Total Environment*, **2010**, 408, 1358-66	10.2	97
12	National Parks as Model Regions for Interdisciplinary Long-Term Ecological Research: The Bavarian Forest and Šmavᴬ National Parks Underway to Transboundary Ecosystem Research **2010**, 327-344		18
11	Spatio-temporal dynamics of global H5N1 outbreaks match bird migration patterns. *Geospatial Health*, **2009**, 4, 65-78	2.2	89
10	Improved understorey bamboo cover mapping using a novel hybrid neural network and expert system. *International Journal of Remote Sensing*, **2009**, 30, 965-981	3.1	23
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