

# Marco Heurich

## List of Publications by Citations

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210  
papers

5,428  
citations

40  
h-index

63  
g-index

231  
ext. papers

6,856  
ext. citations

5.2  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
210	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , <b>2018</b> , 359, 466-469	33.3	474
209	Tree species classification and estimation of stem volume and DBH based on single tree extraction by exploiting airborne full-waveform LiDAR data. <i>Remote Sensing of Environment</i> , <b>2012</b> , 123, 368-380	13.2	210
208	Partial migration in roe deer: migratory and resident tactics are end points of a behavioural gradient determined by ecological factors. <i>Oikos</i> , <b>2011</b> , 120, 1790-1802	4	158
207	Small beetle, large-scale drivers: how regional and landscape factors affect outbreaks of the European spruce bark beetle. <i>Journal of Applied Ecology</i> , <b>2015</b> , 53, 530-540	5.8	120
206	Seasonality, weather and climate affect home range size in roe deer across a wide latitudinal gradient within Europe. <i>Journal of Animal Ecology</i> , <b>2013</b> , 82, 1326-39	4.7	108
205	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
204	Biodiversity along temperate forest succession. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 2756-2766	5.8	93
203	Factors affecting the spatio-temporal dispersion of <i>Ips typographus</i> (L.) in Bavarian Forest National Park: A long-term quantitative landscape-level analysis. <i>Forest Ecology and Management</i> , <b>2011</b> , 261, 233-245	3.9	88
202	Understanding Forest Health with Remote Sensing -Part I: A Review of Spectral Traits, Processes and Remote-Sensing Characteristics. <i>Remote Sensing</i> , <b>2016</b> , 8, 1029	5	88
201	Understanding Forest Health with Remote Sensing-Part II: A Review of Approaches and Data Models. <i>Remote Sensing</i> , <b>2017</b> , 9, 129	5	78
200	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
199	Forecasting potential bark beetle outbreaks based on spruce forest vitality using hyperspectral remote-sensing techniques at different scales. <i>Forest Ecology and Management</i> , <b>2013</b> , 308, 76-89	3.9	74
198	Automatic recognition and measurement of single trees based on data from airborne laser scanning over the richly structured natural forests of the Bavarian Forest National Park. <i>Forest Ecology and Management</i> , <b>2008</b> , 255, 2416-2433	3.9	73
197	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
196	How many routes lead to migration? Comparison of methods to assess and characterize migratory movements. <i>Journal of Animal Ecology</i> , <b>2016</b> , 85, 54-68	4.7	66
195	Reduction in browsing intensity may not compensate climate change effects on tree species composition in the Bavarian Forest National Park. <i>Forest Ecology and Management</i> , <b>2014</b> , 328, 179-192	3.9	65
194	Simulation and analysis of outbreaks of bark beetle infestations and their management at the stand level. <i>Ecological Modelling</i> , <b>2011</b> , 222, 1833-1846	3	65

193	Spatio-temporal infestation patterns of <i>Ips typographus</i> (L.) in the Bavarian Forest National Park, Germany. <i>Ecological Indicators</i> , <b>2013</b> , 31, 73-81	5.8	63
192	An event-based conceptual model for context-aware movement analysis. <i>International Journal of Geographical Information Science</i> , <b>2011</b> , 25, 1347-1370	4.1	61
191	Using airborne laser scanning to model potential abundance and assemblages of forest passerines. <i>Basic and Applied Ecology</i> , <b>2009</b> , 10, 671-681	3.2	58
190	Estimation of forestry stand parameters using laser scanning data in temperate, structurally rich natural European beech ( <i>Fagus sylvatica</i> ) and Norway spruce ( <i>Picea abies</i> ) forests. <i>Forestry</i> , <b>2008</b> , 81, 645-661	2.2	57
189	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
188	An experimental test of the habitat-amount hypothesis for saproxylic beetles in a forested region. <i>Ecology</i> , <b>2017</b> , 98, 1613-1622	4.6	54
187	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
186	Detection of fallen trees in ALS point clouds using a Normalized Cut approach trained by simulation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2015</b> , 105, 252-271	11.8	51
185	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
184	In Situ/Remote Sensing Integration to Assess Forest Health: A Review. <i>Remote Sensing</i> , <b>2016</b> , 8, 471	5	50
183	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
182	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
181	Forest inventories by LiDAR data: A comparison of single tree segmentation and metric-based methods for inventories of a heterogeneous temperate forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 42, 162-174	7.3	48
180	Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest. <i>Remote Sensing</i> , <b>2016</b> , 8, 491	5	47
179	Object-orientated image analysis for the semi-automatic detection of dead trees following a spruce bark beetle ( <i>Ips typographus</i> ) outbreak. <i>European Journal of Forest Research</i> , <b>2010</b> , 129, 313-324	2.7	46
178	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
177	Habitat selection by a large herbivore at multiple spatial and temporal scales is primarily governed by food resources. <i>Ecography</i> , <b>2017</b> , 40, 1014-1027	6.5	45
176	Challenges and science-based implications for modern management and conservation of European ungulate populations. <i>Mammal Research</i> , <b>2017</b> , 62, 209-217	1.8	44

175	Response of mountain <i>Picea abies</i> forests to stand-replacing bark beetle outbreaks: neighbourhood effects lead to self-replacement. <i>Journal of Applied Ecology</i> , <b>2015</b> , 52, 1402-1411	5.8	44
174	New Possibilities of Observing Animal Behaviour from a Distance Using Activity Sensors in Gps-Collars: An Attempt to Calibrate Remotely Collected Activity Data with Direct Behavioural Observations in Red Deer <i>Cervus elaphus</i> . <i>Wildlife Biology</i> , <b>2009</b> , 15, 425-434	1.7	43
173	Estimating over- and understorey canopy density of temperate mixed stands by airborne LiDAR data. <i>Forestry</i> , <b>2016</b> , 89, 69-81	2.2	42
172	Activity patterns of Eurasian lynx are modulated by light regime and individual traits over a wide latitudinal range. <i>PLoS ONE</i> , <b>2014</b> , 9, e114143	3.7	42
171	LiDAR Remote Sensing of Forest Structure and GPS Telemetry Data Provide Insights on Winter Habitat Selection of European Roe Deer. <i>Forests</i> , <b>2014</b> , 5, 1374-1390	2.8	40
170	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
169	Detection of windthrows and insect outbreaks by L-band SAR: A case study in the Bavarian Forest National Park. <i>Remote Sensing of Environment</i> , <b>2018</b> , 209, 700-711	13.2	38
168	Migration in geographic and ecological space by a large herbivore. <i>Ecological Monographs</i> , <b>2017</b> , 87, 297-320		37
167	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
166	Illegal hunting as a major driver of the source-sink dynamics of a reintroduced lynx population in Central Europe. <i>Biological Conservation</i> , <b>2018</b> , 224, 355-365	6.2	37
165	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
164	Impacts and underlying factors of landscape-scale, historical disturbance of mountain forest identified using archival documents. <i>Forest Ecology and Management</i> , <b>2013</b> , 305, 294-306	3.9	35
163	A Bayesian hierarchical model for estimating spatial and temporal variation in vegetation phenology from Landsat time series. <i>Remote Sensing of Environment</i> , <b>2017</b> , 194, 155-160	13.2	34
162	Comparison of Landsat-8 and Sentinel-2 Data for Estimation of Leaf Area Index in Temperate Forests. <i>Remote Sensing</i> , <b>2019</b> , 11, 1160	5	34
161	Habitat selection by Eurasian lynx ( <i>Lynx lynx</i> ) is primarily driven by avoidance of human activity during day and prey availability during night. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 6367-6381	2.8	34
160	Reintroducing rewilding to restoration [Rejecting the search for novelty. <i>Biological Conservation</i> , <b>2019</b> , 233, 255-259	6.2	32
159	Creating a landscape of management: Unintended effects on the variation of browsing pressure in a national park. <i>Forest Ecology and Management</i> , <b>2015</b> , 338, 46-56	3.9	32
158	Right on track? Performance of satellite telemetry in terrestrial wildlife research. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216223	3.7	31

157	Long-term measurement of roe deer ( <i>Capreolus capreolus</i> ) (Mammalia: Cervidae) activity using two-axis accelerometers in GPS-collars. <i>Italian Journal of Zoology</i> , <b>2013</b> , 80, 69-81		31
156	Green wave tracking by large herbivores: an experimental approach. <i>Ecology</i> , <b>2016</b> , 97, 3547-3553	4.6	31
155	Priority list of biodiversity metrics to observe from space. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 896-906	12.3	30
154	Radar vision in the mapping of forest biodiversity from space. <i>Nature Communications</i> , <b>2019</b> , 10, 4757	17.4	28
153	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
152	A one night stand? Reproductive excursions of female roe deer as a breeding dispersal tactic. <i>Oecologia</i> , <b>2014</b> , 176, 431-43	2.9	28
151	Distribution and status of lynx in the border region between Czech Republic, Germany and Austria. <i>Acta Theriologica</i> , <b>2001</b> , 46, 181-194		28
150	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
149	Protected areas shape the spatial distribution of a European lynx population more than 20 years after reintroduction. <i>Biological Conservation</i> , <b>2014</b> , 177, 210-217	6.2	27
148	Seasonal and daily activity patterns of free-living Eurasian lynx <i>Lynx lynx</i> in relation to availability of kills. <i>Wildlife Biology</i> , <b>2013</b> , 19, 69-77	1.7	27
147	Using Intra-Annual Landsat Time Series for Attributing Forest Disturbance Agents in Central Europe. <i>Forests</i> , <b>2017</b> , 8, 251	2.8	27
146	Sensitivity Analysis of 3D Individual Tree Detection from LiDAR Point Clouds of Temperate Forests. <i>Forests</i> , <b>2014</b> , 5, 1122-1142	2.8	27
145	Survival and causes of death of European Roe Deer before and after Eurasian Lynx reintroduction in the Bavarian Forest National Park. <i>European Journal of Wildlife Research</i> , <b>2012</b> , 58, 567-578	2	27
144	Mapping out a future for ungulate migrations. <i>Science</i> , <b>2021</b> , 372, 566-569	33.3	27
143	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
142	Distribution and status of lynx in the border region between Czech Republic, Germany and Austria. <i>Acta Theriologica</i> , <b>2001</b> , 46, 181-194		26
141	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
140	Country, cover or protection: what shapes the distribution of red deer and roe deer in the Bohemian Forest Ecosystem?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120960	3.7	24

139	Heterogeneity-diversity relationships differ between and within trophic levels in temperate forests. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1204-1212	12.3	24
138	Feeding patterns of red deer <i>Cervus elaphus</i> along an altitudinal gradient in the Bohemian Forest: effect of habitat and season. <i>Wildlife Biology</i> , <b>2010</b> , 16, 173-184	1.7	23
137	<i>Listeria monocytogenes</i> in Different Specimens from Healthy Red Deer and Wild Boars. <i>Foodborne Pathogens and Disease</i> , <b>2016</b> , 13, 391-7	3.8	23
136	Large herbivore migration plasticity along environmental gradients in Europe: life-history traits modulate forage effects. <i>Oikos</i> , <b>2019</b> , 128, 416-429	4	23
135	Do bark beetle outbreaks amplify or dampen future bark beetle disturbances in Central Europe?. <i>Journal of Ecology</i> , <b>2021</b> , 109, 737-749	6	23
134	Fear of the dark? Contrasting impacts of humans versus lynx on diel activity of roe deer across Europe. <i>Journal of Animal Ecology</i> , <b>2020</b> , 89, 132-145	4.7	22
133	Functionally richer communities improve ecosystem functioning: Dung removal and secondary seed dispersal by dung beetles in the Western Palaearctic. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 70-82	4.1	22
132	Plastic response by a small cervid to supplemental feeding in winter across a wide environmental gradient. <i>Ecosphere</i> , <b>2017</b> , 8, e01629	3.1	21
131	Keep the wolf from the door: How to conserve wolves in Europe's human-dominated landscapes?. <i>Biological Conservation</i> , <b>2019</b> , 235, 102-111	6.2	21
130	Beauty and the beast: how a bat utilizes forests shaped by outbreaks of an insect pest. <i>Animal Conservation</i> , <b>2018</b> , 21, 21-30	3.2	21
129	Integrating LiDAR and high-resolution imagery for object-based mapping of forest habitats in a heterogeneous temperate forest landscape. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 8859-8884 <sup>1</sup>	3.1	21
128	Network structure of vertebrate scavenger assemblages at the global scale: drivers and ecosystem functioning implications. <i>Ecography</i> , <b>2020</b> , 43, 1143-1155	6.5	21
127	The effect of reintroductions on the genetic variability in Eurasian lynx populations: the cases of BohemianBavarian and VosgesBalatinian populations. <i>Conservation Genetics</i> , <b>2016</b> , 17, 1229-1234	2.6	20
126	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
125	Doubting dung: eDNA reveals high rates of misidentification in diverse European ungulate communities. <i>European Journal of Wildlife Research</i> , <b>2019</b> , 65, 1	2	19
124	Truly sedentary? The multi-range tactic as a response to resource heterogeneity and unpredictability in a large herbivore. <i>Oecologia</i> , <b>2018</b> , 187, 47-60	2.9	19
123	Crossing the border? Structure of the red deer ( <i>Cervus elaphus</i> ) population from the BavarianBohemian forest ecosystem. <i>Mammalian Biology</i> , <b>2012</b> , 77, 211-220	1.6	19
122	Activity patterns of European roe deer ( <i>Capreolus capreolus</i> ) are strongly influenced by individual behaviour. <i>Folia Zoologica</i> , <b>2013</b> , 62, 67-75	1.3	19

121	Enhanced detection of 3D individual trees in forested areas using airborne full-waveform LiDAR data by combining normalized cuts with spatial density clustering. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 11-5/W2, 349-354		19
120	Influence of selected habitat and stand factors on bark beetle <i>Ips typographus</i> (L.) outbreak in the BiaÅwieÅ Forest. <i>Forest Ecology and Management</i> , <b>2020</b> , 459, 117826	3.9	19
119	Habitat metrics based on multi-temporal Landsat imagery for mapping large mammal habitat. <i>Remote Sensing in Ecology and Conservation</i> , <b>2020</b> , 6, 52-69	5.3	19
118	LiDAR derived topography and forest stand characteristics largely explain the spatial variability observed in MODIS land surface phenology. <i>Remote Sensing of Environment</i> , <b>2018</b> , 218, 231-244	13.2	19
117	Landscape configuration is a major determinant of home range size variation. <i>Ecosphere</i> , <b>2015</b> , 6, art1953.1		18
116	Stay home, stay safe-Site familiarity reduces predation risk in a large herbivore in two contrasting study sites. <i>Journal of Animal Ecology</i> , <b>2020</b> , 89, 1329-1339	4.7	18
115	Application of optical unmanned aerial vehicle-based imagery for the inventory of natural regeneration and standing deadwood in post-disturbed spruce forests. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 5288-5309	3.1	18
114	Forest structure following natural disturbances and early succession provides habitat for two avian flagship species, capercaillie ( <i>Tetrao urogallus</i> ) and hazel grouse ( <i>Tetrastes bonasia</i> ). <i>Biological Conservation</i> , <b>2018</b> , 226, 81-91	6.2	18
113	National Parks as Model Regions for Interdisciplinary Long-Term Ecological Research: The Bavarian Forest and ÅmavÅ National Parks Underway to Transboundary Ecosystem Research <b>2010</b> , 327-344		18
112	Mapping a Åcryptic kingdomÅ-Performance of lidar derived environmental variables in modelling the occurrence of forest fungi. <i>Remote Sensing of Environment</i> , <b>2016</b> , 186, 428-438	13.2	18
111	Wave-like Patterns of Plant Phenology Determine Ungulate Movement Tactics. <i>Current Biology</i> , <b>2020</b> , 30, 3444-3449.e4	6.3	17
110	Large-Scale Mapping of Tree Species and Dead Trees in Åmava National Park and Bavarian Forest National Park Using Lidar and Multispectral Imagery. <i>Remote Sensing</i> , <b>2020</b> , 12, 661	5	17
109	Annual changes in roe deer ( <i>Capreolus capreolus</i> L.) diet in the Bohemian Forest, Czech Republic/Germany. <i>European Journal of Wildlife Research</i> , <b>2010</b> , 56, 327-333	2	17
108	Remotely Sensed Single Tree Data Enable the Determination of Habitat Thresholds for the Three-Toed Woodpecker ( <i>Picoides tridactylus</i> ). <i>Remote Sensing</i> , <b>2018</b> , 10, 1972	5	17
107	Introducing ÅpresenceÅ and Åstationarity indexÅ to study partial migration patterns: an application of a spatio-temporal clustering technique. <i>International Journal of Geographical Information Science</i> , <b>2016</b> , 30, 907-928	4.1	16
106	Red deer at a crossroadsÅAn analysis of communication strategies concerning wildlife management in the Bayerischer WaldÅ National Park, Germany. <i>Journal for Nature Conservation</i> , <b>2011</b> , 19, 319-326	2.3	16
105	Habitat availability is not limiting the distribution of the Bohemian/Bavarian lynx <i>Lynx lynx</i> population. <i>Oryx</i> , <b>2016</b> , 50, 742-752	1.5	16
104	LiDAR-derived canopy structure supports the more-individuals hypothesis for arthropod diversity in temperate forests. <i>Oikos</i> , <b>2018</b> , 127, 814-824	4	16

103	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
102	Synthetic RapidEye data used for the detection of area-based spruce tree mortality induced by bark beetles. <i>GIScience and Remote Sensing</i> , <b>2018</b> , 55, 839-859	4.8	15
101	A voting-based statistical cylinder detection framework applied to fallen tree mapping in terrestrial laser scanning point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2017</b> , 129, 118-130	11.8	14
100	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
99	Synchrony in hunting bags: reaction on climatic and human induced changes?. <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 140-6	10.2	14
98	Hide and seek: extended camera-trap session lengths and autumn provide best parameters for estimating lynx densities in mountainous areas. <i>Biodiversity and Conservation</i> , <b>2015</b> , 24, 2935-2952	3.4	13
97	A generalized regression-based unmixing model for mapping forest cover fractions throughout three decades of Landsat data. <i>Remote Sensing of Environment</i> , <b>2020</b> , 240, 111691	13.2	13
96	Ungulate management in European national parks: Why a more integrated European policy is needed. <i>Journal of Environmental Management</i> , <b>2020</b> , 260, 110068	7.9	13
95	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
94	Detection and characterization of Shiga toxin-producing <i>Escherichia coli</i> in faeces and lymphatic tissue of free-ranging deer. <i>Epidemiology and Infection</i> , <b>2013</b> , 141, 251-9	4.3	13
93	An efficient method to exploit LiDAR data in animal ecology. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 893-904	7.7	13
92	Spatial patterns of co-occurrence of the European wildcat <i>Felis silvestris silvestris</i> and domestic cats <i>Felis silvestris catus</i> in the Bavarian Forest National Park. <i>Wildlife Biology</i> , <b>2017</b> , 2017, wlb.00284	1.7	12
91	Learning a constrained conditional random field for enhanced segmentation of fallen trees in ALS point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2018</b> , 140, 33-44	11.8	12
90	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
89	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
88	Vegetation and disturbance history of the Bavarian Forest National Park, Germany. <i>Vegetation History and Archaeobotany</i> , <b>2020</b> , 29, 277-295	2.6	12
87	European Roe Deer Increase Vigilance When Faced with Immediate Predation Risk by Eurasian Lynx. <i>Ethology</i> , <b>2017</b> , 123, 30-40	1.7	11
86	Individual-tree- and stand-based development following natural disturbance in a heterogeneously structured forest: A LiDAR-based approach. <i>Ecological Informatics</i> , <b>2017</b> , 38, 12-25	4.2	11



85	Evaluating a collaborative decision-analytic approach to inform conservation decision-making in transboundary regions. <i>Land Use Policy</i> , <b>2019</b> , 83, 282-296	5.6	11
84	Landscape predictors of human-leopard conflicts within multi-use areas of the Himalayan region. <i>Scientific Reports</i> , <b>2020</b> , 10, 11129	4.9	11
83	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
82	Discourse analysis as an instrument to reveal the pivotal role of the media in local acceptance or rejection of a wildlife management project. A case study from the Bavarian Forest National Park. <i>Erdkunde</i> , <b>2012</b> , 143-156	1.1	11
81	Mapping individual trees with airborne laser scanning data in an European lowland forest using a self-calibration algorithm. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2020</b> , 93, 102191	7.3	11
80	Selective Predation of a Stalking Predator on Ungulate Prey. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158449	3.7	11
79	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
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51	Carcass provisioning for scavenger conservation in a temperate forest ecosystem. <i>Ecosphere</i> , <b>2020</b> , 11, e03063	3.1	5
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40	What factors affect the survival of tree saplings under browsing, and how can a loss of admixed tree species be forecast?. <i>Ecological Modelling</i> , <b>2015</b> , 305, 1-9	3	3
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35	Human disturbance is the most limiting factor driving habitat selection of a large carnivore throughout Continental Europe. <i>Biological Conservation</i> , <b>2022</b> , 266, 109446	6.2	3
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25	The importance of individual movement and feeding behaviour for long-distance seed dispersal by red deer: a data-driven model. <i>Movement Ecology</i> , <b>2020</b> , 8, 44	4.6	2
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23	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
22	Instance segmentation of fallen trees in aerial color infrared imagery using active multi-contour evolution with fully convolutional network-based intensity priors. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2021</b> , 178, 297-313	11.8	2
21	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
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16	The declining occurrence of moose ( <i>Alces alces</i> ) at the southernmost edge of its range raise conservation concerns. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 5468-5483	2.8	1
15	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
14	Informed conservation management of rare tree species needs knowledge of species composition, their genetic characteristics and ecological niche. <i>Forest Ecology and Management</i> , <b>2021</b> , 483, 118771	3.9	1

13	Holling meets habitat selection: functional response of large herbivores revisited. <i>Movement Ecology</i> , <b>2021</b> , 9, 45	4.6	1
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11	Canopy Height Estimation from Spaceborne Imagery Using Convolutional Encoder-Decoder. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 307-317	0.9	1
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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
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2	Dung beetle richness is positively affected by the density of wild ungulate populations in forests. <i>Biodiversity and Conservation</i> , <b>2021</b> , 30, 3115-3131	3.4	
1	A bottom-up practitioner-derived set of Essential Variables for Protected Area management. <i>Environmental and Sustainability Indicators</i> , <b>2022</b> , 14, 100179	3.5	