Marco Heurich

List of Publications by Year in Descending Order

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	Forest dieback in a protected area triggers the return of the primeval forest specialist Peltis grossa (Coleoptera, Trogossitidae). *Conservation Science and Practice*, **2022**, 4, e612	2.2	0
209	Human disturbance is the most limiting factor driving habitat selection of a large carnivore throughout Continental Europe. *Biological Conservation*, **2022**, 266, 109446	6.2	3
208	A bottom-up practitioner-derived set of Essential Variables for Protected Area management. *Environmental and Sustainability Indicators*, **2022**, 14, 100179	3.5	
207	A learnable model with calibrated uncertainty quantification for estimating canopy height from spaceborne sequential imagery. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	1
206	Blue sheep strongly affect snow leopard relative abundance but not livestock depredation in the Annapurna Conservation Area, Nepal. *Global Ecology and Conservation*, **2022**, e02153	2.8	1
205	Roads constrain movement across behavioural processes in a partially migratory ungulate. *Movement Ecology*, **2021**, 9, 57	4.6	0
204	Demography of a Eurasian lynx (Lynx lynx) population within a strictly protected area in Central Europe. *Scientific Reports*, **2021**, 11, 19868	4.9	1
203	In situ feeding as a new management tool to conserve orphaned Eurasian lynx (lynx lynx). *Ecology and Evolution*, **2021**, 11, 2963-2973	2.8	0
202	The declining occurrence of moose () at the southernmost edge of its range raise conservation concerns. *Ecology and Evolution*, **2021**, 11, 5468-5483	2.8	1
201	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
200	Priority list of biodiversity metrics to observe from space. *Nature Ecology and Evolution*, **2021**, 5, 896-906	12.3	30
199	Mapping out a future for ungulate migrations. *Science*, **2021**, 372, 566-569	33.3	27
198	Phylogeny- and Abundance-Based Metrics Allow for the Consistent Comparison of Core Gut Microbiome Diversity Indices Across Host Species. *Frontiers in Microbiology*, **2021**, 12, 659918	5.7	3
197	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
196	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
195	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
194	Satellite-based habitat monitoring reveals long-term dynamics of deer habitat in response to forest disturbances. *Ecological Applications*, **2021**, 31, e2269	4.9	3

193	Informed conservation management of rare tree species needs knowledge of species composition, their genetic characteristics and ecological niche. *Forest Ecology and Management*, **2021**, 483, 118771	3.9	1
192	In the shadows of snow leopards and the Himalayas: density and habitat selection of blue sheep in Manang, Nepal. *Ecology and Evolution*, **2021**, 11, 108-122	2.8	4
191	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
190	Do bark beetle outbreaks amplify or dampen future bark beetle disturbances in Central Europe?. *Journal of Ecology*, **2021**, 109, 737-749	6	23
189	Mountain aquatic Isoëtes populations reflect millennial-scale environmental changes in the Bohemian Forest Ecosystem, Central Europe. *Holocene*, **2021**, 31, 746-759	2.6	0
188	Combining graph-cut clustering with object-based stem detection for tree segmentation in highly dense airborne lidar point clouds. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2021**, 172, 207-222	11.8	11
187	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
186	Sex differences in condition dependence of natal dispersal in a large herbivore: dispersal propensity and distance are decoupled. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20202947	4.4	3
185	Dung beetle richness is positively affected by the density of wild ungulate populations in forests. *Biodiversity and Conservation*, **2021**, 30, 3115-3131	3.4	
184	Olfactory cues of large carnivores modify red deer behavior and browsing intensity. *Behavioral Ecology*, **2021**, 32, 982-992	2.3	3
183	Comparative Evaluation of Algorithms for Leaf Area Index Estimation from Digital Hemispherical Photography through Virtual Forests. *Remote Sensing*, **2021**, 13, 3325	5	3
182	Instance segmentation of fallen trees in aerial color infrared imagery using active multi-contour evolution with fully convolutional network-based intensity priors. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2021**, 178, 297-313	11.8	2
181	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
180	Determining Statistically Robust Changes in Ungulate Browsing Pressure as a Basis for Adaptive Wildlife Management. *Forests*, **2021**, 12, 1030	2.8	2
179	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
178	Holling meets habitat selection: functional response of large herbivores revisited. *Movement Ecology*, **2021**, 9, 45	4.6	1
177	Functional traits driving species role in the structure of terrestrial vertebrate scavenger networks. *Ecology*, **2021**, 102, e03519	4.6	1
176	Survival and cause-specific mortality of European wildcat (Felis silvestris) across Europe. *Biological Conservation*, **2021**, 261, 109239	6.2	6

175	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
174	Canopy Height Estimation from Spaceborne Imagery Using Convolutional Encoder-Decoder. *Lecture Notes in Computer Science*, **2021**, 307-317	0.9	1
173	Mapping Canopy Chlorophyll Content in a Temperate Forest Using Airborne Hyperspectral Data. *Remote Sensing*, **2020**, 12, 3573	5	9
172	Predicting the Risk of Deer-vehicle Collisions by Inferring Rules Learnt from Deer Experience and Movement Patterns in the Vicinity of Roads **2020**,		1
171	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
170	Carcass provisioning for scavenger conservation in a temperate forest ecosystem. *Ecosphere*, **2020**, 11, e03063	3.1	5
169	Stay home, stay safe-Site familiarity reduces predation risk in a large herbivore in two contrasting study sites. *Journal of Animal Ecology*, **2020**, 89, 1329-1339	4.7	18
168	Evaluating Prediction Models for Mapping Canopy Chlorophyll Content Across Biomes. *Remote Sensing*, **2020**, 12, 1788	5	6
167	Wave-like Patterns of Plant Phenology Determine Ungulate Movement Tactics. *Current Biology*, **2020**, 30, 3444-3449.e4	6.3	17
166	Landscape predictors of human-leopard conflicts within multi-use areas of the Himalayan region. *Scientific Reports*, **2020**, 10, 11129	4.9	11
165	A generalized regression-based unmixing model for mapping forest cover fractions throughout three decades of Landsat data. *Remote Sensing of Environment*, **2020**, 240, 111691	13.2	13
164	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
163	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
162	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
161	Ungulate management in European national parks: Why a more integrated European policy is needed. *Journal of Environmental Management*, **2020**, 260, 110068	7.9	13
160	Variability of daily space use in wild boar Sus scrofa. *Wildlife Biology*, **2020**, 2020,	1.7	6
159	A Range of Earth Observation Techniques for Assessing Plant Diversity **2020**, 309-348		2
158	Shedding of Mycobacterium caprae by wild red deer (Cervus elaphus) in the Bavarian alpine regions, Germany. *Transboundary and Emerging Diseases*, **2020**, 67, 308-317	4.2	6

157	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
156	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
155	Fear of the dark? Contrasting impacts of humans versus lynx on diel activity of roe deer across Europe. *Journal of Animal Ecology*, **2020**, 89, 132-145	4.7	22
154	Mapping individual trees with airborne laser scanning data in an European lowland forest using a self-calibration algorithm. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 93, 102191	7.3	11
153	Heterogeneity-diversity relationships differ between and within trophic levels in temperate forests. *Nature Ecology and Evolution*, **2020**, 4, 1204-1212	12.3	24
152	Linking the Remote Sensing of Geodiversity and Traits Relevant to Biodiversity—Part II: Geomorphology, Terrain and Surfaces. *Remote Sensing*, **2020**, 12, 3690	5	6
151	The importance of individual movement and feeding behaviour for long-distance seed dispersal by red deer: a data-driven model. *Movement Ecology*, **2020**, 8, 44	4.6	2
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	Vegetation and disturbance history of the Bavarian Forest National Park, Germany. *Vegetation History and Archaeobotany*, **2020**, 29, 277-295	2.6	12
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	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
143	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
142	Comparison of Landsat-8 and Sentinel-2 Data for Estimation of Leaf Area Index in Temperate Forests. *Remote Sensing*, **2019**, 11, 1160	5	34
141	The search for novelty continues for rewilding. *Biological Conservation*, **2019**, 236, 584-585	6.2	1
140	Laacher See tephra discovered in the Bohemian Forest, Germany, east of the eruption. *Quaternary Geochronology*, **2019**, 51, 130-139	2.7	5

139	Keep the wolf from the door: How to conserve wolves in Europe's human-dominated landscapes?. *Biological Conservation*, **2019**, 235, 102-111	6.2	21
138	Right on track? Performance of satellite telemetry in terrestrial wildlife research. *PLoS ONE*, **2019**, 14, e0216223	3.7	31
137	Evaluating a collaborative decision-analytic approach to inform conservation decision-making in transboundary regions. *Land Use Policy*, **2019**, 83, 282-296	5.6	11
136	Doubting dung: eDNA reveals high rates of misidentification in diverse European ungulate communities. *European Journal of Wildlife Research*, **2019**, 65, 1	2	19
135	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
134	Reintroducing rewilding to restoration Rejecting the search for novelty. *Biological Conservation*, **2019**, 233, 255-259	6.2	32
133	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
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	The blame game: Using eDNA to identify species-specific tree browsing by red deer (Cervus elaphus) and roe deer (Capreolus capreolus) in a temperate forest. *Forest Ecology and Management*, **2019**, 451, 117483	3.9	10
130	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
129	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
128	Radar vision in the mapping of forest biodiversity from space. *Nature Communications*, **2019**, 10, 4757	17.4	28
127	Shiga toxin-producing Escherichia coli (STEC) shedding in a wild roe deer population. *Veterinary Microbiology*, **2019**, 239, 108479	3.3	3
126	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
125	Rocks rock: the importance of rock formations as resting sites of the Eurasian lynx Lynx lynx. *Wildlife Biology*, **2019**, 2019,	1.7	4
124	Impact of winter enclosures on the gut bacterial microbiota of red deer in the Bavarian Forest National Park. *Wildlife Biology*, **2019**, 2019,	1.7	4
123	Canopy Height Estimation from Single Multispectral 2D Airborne Imagery Using Texture Analysis and Machine Learning in Structurally Rich Temperate Forests. *Remote Sensing*, **2019**, 11, 2853	5	4
122	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

121	Does Public Participation Shift German National Park Priorities Away from Nature Conservation?. *Environmental Conservation*, **2019**, 46, 84-91	3.3	5
120	Functionally richer communities improve ecosystem functioning: Dung removal and secondary seed dispersal by dung beetles in the Western Palaearctic. *Journal of Biogeography*, **2019**, 46, 70-82	4.1	22
119	Large herbivore migration plasticity along environmental gradients in Europe: life-history traits modulate forage effects. *Oikos*, **2019**, 128, 416-429	4	23
118	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
117	Detection dogs allow for systematic non-invasive collection of DNA samples from Eurasian lynx. *Mammalian Biology*, **2018**, 90, 42-46	1.6	9
116	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
115	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
114	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. *Science*, **2018**, 359, 466-469	33.3	474
113	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
112	Truly sedentary? The multi-range tactic as a response to resource heterogeneity and unpredictability in a large herbivore. *Oecologia*, **2018**, 187, 47-60	2.9	19
111	Learning a constrained conditional random field for enhanced segmentation of fallen trees in ALS point clouds. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 140, 33-44	11.8	12
110	Beauty and the beast: how a bat utilizes forests shaped by outbreaks of an insect pest. *Animal Conservation*, **2018**, 21, 21-30	3.2	21
109	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
108	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
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	5	38
106	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
105	Biodiversity along temperate forest succession. *Journal of Applied Ecology*, **2018**, 55, 2756-2766	5.8	93
104	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

103	An efficient method to exploit LiDAR data in animal ecology. *Methods in Ecology and Evolution*, **2018**, 9, 893-904	7.7	13
102	LiDAR-derived canopy structure supports the more-individuals hypothesis for arthropod diversity in temperate forests. *Oikos*, **2018**, 127, 814-824	4	16
101	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
100	LiDAR derived topography and forest stand characteristics largely explain the spatial variability observed in MODIS land surface phenology. *Remote Sensing of Environment*, **2018**, 218, 231-244	13.2	19
99	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
98	Dung beetle assemblages, dung removal and secondary seed dispersal: data from a large-scale, multi-site experiment in the Western Palaearctic. *Frontiers of Biogeography*, **2018**, 10,	2.9	5
97	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
96	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
95	Illegal hunting as a major driver of the source-sink dynamics of a reintroduced lynx population in Central Europe. *Biological Conservation*, **2018**, 224, 355-365	6.2	37
94	European Roe Deer Increase Vigilance When Faced with Immediate Predation Risk by Eurasian Lynx. *Ethology*, **2017**, 123, 30-40	1.7	11
93	Migration in geographic and ecological space by a large herbivore. *Ecological Monographs*, **2017**, 87, 297-320	7	37
92	Spatial patterns of co-occurrence of the European wildcatFelis silvestris silvestrisand domestic catsFelis silvestris catusin the Bavarian Forest National Park. *Wildlife Biology*, **2017**, 2017, wlb.00284	1.7	12
91	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
90	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
89	Plastic response by a small cervid to supplemental feeding in winter across a wide environmental gradient. *Ecosphere*, **2017**, 8, e01629	3.1	21
88	Challenges and science-based implications for modern management and conservation of European ungulate populations. *Mammal Research*, **2017**, 62, 209-217	1.8	44
87	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
86	An experimental test of the habitat-amount hypothesis for saproxylic beetles in a forested region. *Ecology*, **2017**, 98, 1613-1622	4.6	54

85	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
84	Genetic variability and size estimates of the Eurasian otter (Lutra lutra) population in the Bohemian Forest Ecosystem. *Mammalian Biology*, **2017**, 86, 42-47	1.6	5
83	Impact of Slope, Aspect, and Habitat-Type on LiDAR-Derived Digital Terrain Models in a Near Natural, Heterogeneous Temperate Forest. *PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science*, **2017**, 85, 243-255	2.9	7
82	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
81	Habitat selection by Eurasian lynx () is primarily driven by avoidance of human activity during day and prey availability during night. *Ecology and Evolution*, **2017**, 7, 6367-6381	2.8	34
80	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
79	Habitat selection by a large herbivore at multiple spatial and temporal scales is primarily governed by food resources. *Ecography*, **2017**, 40, 1014-1027	6.5	45
78	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
77	Multi-model estimation of understorey shrub, herb and moss cover in temperate forest stands by laser scanner data. *Forestry*, **2017**,	2.2	3
76	Understanding Forest Health with Remote Sensing-Part II—A Review of Approaches and Data Models. *Remote Sensing*, **2017**, 9, 129	5	78
75	Using Intra-Annual Landsat Time Series for Attributing Forest Disturbance Agents in Central Europe. *Forests*, **2017**, 8, 251	2.8	27
74	Estimating over- and understorey canopy density of temperate mixed stands by airborne LiDAR data. *Forestry*, **2016**, 89, 69-81	2.2	42
73	Combining Active and Semisupervised Learning of Remote Sensing Data Within a Renyi Entropy Regularization Framework. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2016**, 9, 2910-2922	4.7	10
72	Introducing presence and stationarity index to study partial migration patterns: an application of a spatio-temporal clustering technique. *International Journal of Geographical Information Science*, **2016**, 30, 907-928	4.1	16
71	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
70	Selective Predation of a Stalking Predator on Ungulate Prey. *PLoS ONE*, **2016**, 11, e0158449	3.7	11
69	In Situ/Remote Sensing Integration to Assess Forest Health—A Review. *Remote Sensing*, **2016**, 8, 471	5	50
68	Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest. *Remote Sensing*, **2016**, 8, 491	5	47

| 67 | 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 |

| 66 | Listeria monocytogenes in Different Specimens from Healthy Red Deer and Wild Boars. *Foodborne Pathogens and Disease*, **2016**, 13, 391-7 | 3.8 | 23 |

| 65 | Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives. *Ecological Indicators*, **2016**, 70, 317-339 | 5.8 | 100 |

| 64 | Habitat availability is not limiting the distribution of the Bohemian–Bavarian lynx Lynx lynx population. *Oryx*, **2016**, 50, 742-752 | 1.5 | 16 |

| 63 | How many routes lead to migration? Comparison of methods to assess and characterize migratory movements. *Journal of Animal Ecology*, **2016**, 85, 54-68 | 4.7 | 66 |

| 62 | The effect of reintroductions on the genetic variability in Eurasian lynx populations: the cases of Bohemian–Bavarian and Vosges–Palatinian populations. *Conservation Genetics*, **2016**, 17, 1229-1234 | 2.6 | 20 |

| 61 | Green wave tracking by large herbivores: an experimental approach. *Ecology*, **2016**, 97, 3547-3553 | 4.6 | 31 |

| 60 | Mapping a 'cryptic kingdom': Performance of lidar derived environmental variables in modelling the occurrence of forest fungi. *Remote Sensing of Environment*, **2016**, 186, 428-438 | 13.2 | 18 |

| 59 | 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 |

| 58 | Detection of fallen trees in ALS point clouds using a Normalized Cut approach trained by simulation. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 105, 252-271 | 11.8 | 51 |

| 57 | 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 |

| 56 | What factors affect the survival of tree saplings under browsing, and how can a loss of admixed tree species be forecast?. *Ecological Modelling*, **2015**, 305, 1-9 | 3 | 3 |

| 55 | Landscape configuration is a major determinant of home range size variation. *Ecosphere*, **2015**, 6, art195 | 3.1 | 18 |

| 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 | Natural regeneration determines wintering bird presence in wind-damaged coniferous forest stands independent of postdisturbance logging. *Canadian Journal of Forest Research*, **2015**, 45, 1232-1237 | 1.9 | 6 |

| 52 | Hide and seek: extended camera-trap session lengths and autumn provide best parameters for estimating lynx densities in mountainous areas. *Biodiversity and Conservation*, **2015**, 24, 2935-2952 | 3.4 | 13 |

| 51 | Creating a landscape of management: Unintended effects on the variation of browsing pressure in a national park. *Forest Ecology and Management*, **2015**, 338, 46-56 | 3.9 | 32 |

| 50 | Response of mountain Picea abies forests to stand-replacing bark beetle outbreaks: neighbourhood effects lead to self-replacement. *Journal of Applied Ecology*, **2015**, 52, 1402-1411 | 5.8 | 44 |

49	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
48	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
47	Active learning approach to detecting standing dead trees from ALS point clouds combined with aerial infrared imagery **2015**,		10
46	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
45	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
44	Protected areas shape the spatial distribution of a European lynx population more than 20 years after reintroduction. *Biological Conservation*, **2014**, 177, 210-217	6.2	27
43	Eurasian lynx hunting red deer: is there an influence of a winter enclosure system?. *European Journal of Wildlife Research*, **2014**, 60, 441-457	2	8
42	Population control based on abundance estimates: Frequency does not compensate for uncertainty. *Ecological Complexity*, **2014**, 20, 43-50	2.6	6
41	Synchrony in hunting bags: reaction on climatic and human induced changes?. *Science of the Total Environment*, **2014**, 468-469, 140-6	10.2	14
40	Automatic Mapping of Standing Dead Trees after an Insect Outbreak Using the Window Independent Context Segmentation Method. *Journal of Forestry*, **2014**,	1.2	2
39	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
38	Sensitivity Analysis of 3D Individual Tree Detection from LiDAR Point Clouds of Temperate Forests. *Forests*, **2014**, 5, 1122-1142	2.8	27
37	LiDAR Remote Sensing of Forest Structure and GPS Telemetry Data Provide Insights on Winter Habitat Selection of European Roe Deer. *Forests*, **2014**, 5, 1374-1390	2.8	40
36	A one night stand? Reproductive excursions of female roe deer as a breeding dispersal tactic. *Oecologia*, **2014**, 176, 431-43	2.9	28
35	Adding structure to land cover - using fractional cover to study animal habitat use. *Movement Ecology*, **2014**, 2, 26	4.6	6
34	Seasonality, weather and climate affect home range size in roe deer across a wide latitudinal gradient within Europe. *Journal of Animal Ecology*, **2013**, 82, 1326-39	4.7	108
33	Forecasting potential bark beetle outbreaks based on spruce forest vitality using hyperspectral remote-sensing techniques at different scales. *Forest Ecology and Management*, **2013**, 308, 76-89	3.9	74
32	Spatio-temporal infestation patterns of Ips typographus (L.) in the Bavarian Forest National Park, Germany. *Ecological Indicators*, **2013**, 31, 73-81	5.8	63

31	Impacts and underlying factors of landscape-scale, historical disturbance of mountain forest identified using archival documents. *Forest Ecology and Management*, **2013**, 305, 294-306	3.9	35
30	Seasonal and daily activity patterns of free-living Eurasian lynxLynx lynxin relation to availability of kills. *Wildlife Biology*, **2013**, 19, 69-77	1.7	27
29	Long-term measurement of roe deer (Capreolus capreolus) (Mammalia: Cervidae) activity using two-axis accelerometers in GPS-collars. *Italian Journal of Zoology*, **2013**, 80, 69-81		31
28	Detection and characterization of Shiga toxin-producing Escherichia coli in faeces and lymphatic tissue of free-ranging deer. *Epidemiology and Infection*, **2013**, 141, 251-9	4.3	13
27	Activity patterns of European roe deer (Capreolus capreolus) are strongly influenced by individual behaviour. *Folia Zoologica*, **2013**, 62, 67-75	1.3	19
26	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
25	Crossing the border? Structure of the red deer (Cervus elaphus) population from the BavarianBohemian forest ecosystem. *Mammalian Biology*, **2012**, 77, 211-220	1.6	19
24	Low genotyping error rates in non-invasively collected samples from roe deer of the Bavarian Forest National Park. *Mammalian Biology*, **2012**, 77, 67-70	1.6	3
23	Calibration of remotely collected acceleration data with behavioral observations of roe deer (Capreolus capreolus L.). *Acta Theriologica*, **2012**, 57, 251-255		7
22	Survival and causes of death of European Roe Deer before and after Eurasian Lynx reintroduction in the Bavarian Forest National Park. *European Journal of Wildlife Research*, **2012**, 58, 567-578	2	27
21	Comparison of the effectivity of different snare types for collecting and retaining hair from Eurasian Lynx (Lynx lynx). *European Journal of Wildlife Research*, **2012**, 58, 579-587	2	4
20	How Attitudes are Shaped: Controversies Surrounding Red Deer Management in a National Park. *Human Dimensions of Wildlife*, **2012**, 17, 404-417	1.6	6
19	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. *Erdkunde*, **2012**, 143-156	1.1	11
18	Red deer at a crossroadsAn analysis of communication strategies concerning wildlife management in the Bayerischer WaldNational Park, Germany. *Journal for Nature Conservation*, **2011**, 19, 319-326	2.3	16
17	Factors affecting the spatio-temporal dispersion of Ips typographus (L.) in Bavarian Forest National Park: A long-term quantitative landscape-level analysis. *Forest Ecology and Management*, **2011**, 261, 233-245	3.9	88
16	Partial migration in roe deer: migratory and resident tactics are end points of a behavioural gradient determined by ecological factors. *Oikos*, **2011**, 120, 1790-1802	4	158
15	Simulation and analysis of outbreaks of bark beetle infestations and their management at the stand level. *Ecological Modelling*, **2011**, 222, 1833-1846	3	65
14	An event-based conceptual model for context-aware movement analysis. *International Journal of Geographical Information Science*, **2011**, 25, 1347-1370	4.1	61

13	Feeding patterns of red deer Cervus elaphus along an altitudinal gradient in the Bohemian Forest: effect of habitat and season. *Wildlife Biology*, **2010**, 16, 173-184	1.7	23
12	Object-orientated image analysis for the semi-automatic detection of dead trees following a spruce bark beetle (Ips typographus) outbreak. *European Journal of Forest Research*, **2010**, 129, 313-324	2.7	46
11	Annual changes in roe deer (Capreolus capreolus L.) diet in the Bohemian Forest, Czech Republic/Germany. *European Journal of Wildlife Research*, **2010**, 56, 327-333	2	17
10	National Parks as Model Regions for Interdisciplinary Long-Term Ecological Research: The Bavarian Forest and Šumav National Parks Underway to Transboundary Ecosystem Research **2010**, 327-344		18
9	Using airborne laser scanning to model potential abundance and assemblages of forest passerines. *Basic and Applied Ecology*, **2009**, 10, 671-681	3.2	58
8	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 DeerCervus elaphus. *Wildlife Biology*, **2009**, 15, 425-434	1.7	43
7	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. *Forest Ecology and Management*, **2008**, 255, 2416-2433	3.9	73
6	Estimation of forestry stand parameters using laser scanning data in temperate, structurally rich natural European beech (Fagus sylvatica) and Norway spruce (Picea abies) forests. *Forestry*, **2008**, 81, 645-661	2.2	57
5	Distribution and status of lynx in the border region between Czech Republic, Germany and Austria. *Acta Theriologica*, **2001**, 46, 181-194		26
4	Distribution and status of lynx in the border region between Czech Republic, Germany and Austria. *Acta Theriologica*, **2001**, 46, 181-194		28
3	FEATURE RELEVANCE ASSESSMENT OF MULTISPECTRAL AIRBORNE LIDAR DATA FOR TREE SPECIES CLASSIFICATION. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*,XLII-3, 31-34	2.5	2
2	Enhanced detection of 3D individual trees in forested areas using airborne full-waveform LiDAR data by combining normalized cuts with spatial density clustering. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*,II-5/W2, 349-354		19
1	Prospect inversion for indirect estimation of leaf dry matter content and specific leaf area. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*,XL-7/W3, 277-284	2.5	5