Martin Herold

List of Publications by Citations

237 papers	15,357 citations	64 h-index	118 g-index
253 ext. papers	18,440 ext. citations	6.8 avg, IF	6.83 L-index

#	Paper	IF	Citations
237	Good practices for estimating area and assessing accuracy of land change. *Remote Sensing of Environment*, **2014**, 148, 42-57	13.2	1225
236	The spatiotemporal form of urban growth: measurement, analysis and modeling. *Remote Sensing of Environment*, **2003**, 86, 286-302	13.2	652
235	An assessment of deforestation and forest degradation drivers in developing countries. *Environmental Research Letters*, **2012**, 7, 044009	6.2	615
234	Some challenges in global land cover mapping: An assessment of agreement and accuracy in existing 1 km datasets. *Remote Sensing of Environment*, **2008**, 112, 2538-2556	13.2	402
233	The Use of Remote Sensing and Landscape Metrics to Describe Structures and Changes in Urban Land Uses. *Environment and Planning A*, **2002**, 34, 1443-1458	2.7	392
232	The role of spatial metrics in the analysis and modeling of urban land use change. *Computers, Environment and Urban Systems*, **2005**, 29, 369-399	5.9	381
231	An integrated pan-tropical biomass map using multiple reference datasets. *Global Change Biology*, **2016**, 22, 1406-20	11.4	358
230	Landsat continuity: Issues and opportunities for land cover monitoring. *Remote Sensing of Environment*, **2008**, 112, 955-969	13.2	357
229	Nondestructive estimates of above-ground biomass using terrestrial laser scanning. *Methods in Ecology and Evolution*, **2015**, 6, 198-208	7.7	330
228	Exploiting synergies of global land cover products for carbon cycle modeling. *Remote Sensing of Environment*, **2006**, 101, 534-553	13.2	327
227	Near real-time disturbance detection using satellite image time series. *Remote Sensing of Environment*, **2012**, 123, 98-108	13.2	312
226	Spatial Metrics and Image Texture for Mapping Urban Land Use. *Photogrammetric Engineering and Remote Sensing*, **2003**, 69, 991-1001	1.6	271
225	Spectrometry for urban area remote sensingDevelopment and analysis of a spectral library from 350 to 2400 nm. *Remote Sensing of Environment*, **2004**, 91, 304-319	13.2	258
224	Earth observations for estimating greenhouse gas emissions from deforestation in developing countries. *Environmental Science and Policy*, **2007**, 10, 385-394	6.2	229
223	Validation of the global land cover 2000 map. *IEEE Transactions on Geoscience and Remote Sensing*, **2006**, 44, 1728-1739	8.1	214
222	Spatio-temporal dynamics in California's Central Valley: Empirical links to urban theory. *International Journal of Geographical Information Science*, **2005**, 19, 175-195	4.1	212
221	Free and open-access satellite data are key to biodiversity conservation. *Biological Conservation*, **2015**, 182, 173-176	6.2	208

220	Reducing emissions from agriculture to meet the 2□C target. *Global Change Biology*, **2016**, 22, 3859-3864	11.4	203
219	Spectral resolution requirements for mapping urban areas. *IEEE Transactions on Geoscience and Remote Sensing*, **2003**, 41, 1907-1919	8.1	184
218	Gross changes in reconstructions of historic land cover/use for Europe between 1900 and 2010. *Global Change Biology*, **2015**, 21, 299-313	11.4	171
217	Robust monitoring of small-scale forest disturbances in a tropical montane forest using Landsat time series. *Remote Sensing of Environment*, **2015**, 161, 107-121	13.2	165
216	Data acquisition considerations for Terrestrial Laser Scanning of forest plots. *Remote Sensing of Environment*, **2017**, 196, 140-153	13.2	152
215	CTCF genomic binding sites in Drosophila and the organisation of the bithorax complex. *PLoS Genetics*, **2007**, 3, e112	6	147
214	Copernicus Global Land Cover Layers□collection 2. *Remote Sensing*, **2020**, 12, 1044	5	144
213	Plant functional type classification for earth system models: results from the European Space Agency□s Land Cover Climate Change Initiative. *Geoscientific Model Development*, **2015**, 8, 2315-2328	6.3	143
212	An expert system model for mapping tropical wetlands and peatlands reveals South America as the largest contributor. *Global Change Biology*, **2017**, 23, 3581-3599	11.4	140
211	The Drosophila insulator proteins CTCF and CP190 link enhancer blocking to body patterning. *EMBO Journal*, **2007**, 26, 4203-14	13	137
210	Uncertainties of modeling gross primary productivity over Europe: A systematic study on the effects of using different drivers and terrestrial biosphere models. *Global Biogeochemical Cycles*, **2007**, 21, n/a-n/a	5.9	132
209	A high-resolution and harmonized model approach for reconstructing and analysing historic land changes in Europe. *Biogeosciences*, **2013**, 10, 1543-1559	4.6	126
208	CTCF: insights into insulator function during development. *Development (Cambridge)*, **2012**, 139, 1045-57	6.6	125
207	Active promoters and insulators are marked by the centrosomal protein 190. *EMBO Journal*, **2009**, 28, 877-88	13	124
206	Fusing Landsat and SAR time series to detect deforestation in the tropics. *Remote Sensing of Environment*, **2015**, 156, 276-293	13.2	122
205	Assessing change in national forest monitoring capacities of 99 tropical countries. *Forest Ecology and Management*, **2015**, 352, 109-123	3.9	120
204	A joint initiative for harmonization and validation of land cover datasets. *IEEE Transactions on Geoscience and Remote Sensing*, **2006**, 44, 1719-1727	8.1	120
203	Synergies of multiple remote sensing data sources for REDD+ monitoring. *Current Opinion in Environmental Sustainability*, **2012**, 4, 696-706	7.2	119

202	Assessing capacities of non-Annex I countries for national forest monitoring in the context of REDD+. *Environmental Science and Policy*, **2012**, 19-20, 33-48	6.2	118
201	Connecting Earth observation to high-throughput biodiversity data. *Nature Ecology and Evolution*, **2017**, 1, 176	12.3	117
200	Improving near-real time deforestation monitoring in tropical dry forests by combining dense Sentinel-1 time series with Landsat and ALOS-2 PALSAR-2. *Remote Sensing of Environment*, **2018**, 204, 147-161	13.2	111
199	Monitoring, reporting and verification for national REDD + programmes: two proposals. *Environmental Research Letters*, **2011**, 6, 014002	6.2	109
198	Global maps of twenty-first century forest carbon fluxes. *Nature Climate Change*, **2021**, 11, 234-240	21.4	108
197	Tracking disturbance-regrowth dynamics in tropical forests using structural change detection and Landsat time series. *Remote Sensing of Environment*, **2015**, 169, 320-334	13.2	103
196	Estimation of above-ground biomass of large tropical trees with terrestrial LiDAR. *Methods in Ecology and Evolution*, **2018**, 9, 223-234	7.7	101
195	Land management: data availability and process understanding for global change studies. *Global Change Biology*, **2017**, 23, 512-533	11.4	99
194	Performance of vegetation indices from Landsat time series in deforestation monitoring. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 52, 318-327	7.3	98
193	Global land use changes are four times greater than previously estimated. *Nature Communications*, **2021**, 12, 2501	17.4	98
192	A global land-cover validation data set, part I: fundamental design principles. *International Journal of Remote Sensing*, **2012**, 33, 5768-5788	3.1	94
191	Spectral characteristics of asphalt road aging and deterioration: implications for remote-sensing applications. *Applied Optics*, **2005**, 44, 4327-34	1.7	91
190	Land use patterns and related carbon losses following deforestation in South America. *Environmental Research Letters*, **2015**, 10, 124004	6.2	86
189	Remotely sensed resilience of tropical forests. *Nature Climate Change*, **2016**, 6, 1028-1031	21.4	86
188	Options for monitoring and estimating historical carbon emissions from forest degradation in the context of REDD+. *Carbon Balance and Management*, **2011**, 6, 13	3.6	85
187	The potential of old maps and encyclopaedias for reconstructing historic European land cover/use change. *Applied Geography*, **2015**, 59, 43-55	4.4	84
186	GlobCover: ESA service for global land cover from MERIS **2007**,		82
185	Using spatial context to improve early detection of deforestation from Landsat time series. *Remote Sensing of Environment*, **2016**, 172, 126-138	13.2	78

184	Will REDD+ work? The need for interdisciplinary research to address key challenges. *Current Opinion in Environmental Sustainability*, **2012**, 4, 590-596	7.2	75
183	Monitoring forest cover loss using multiple data streams, a case study of a tropical dry forest in Bolivia. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 107, 112-125	11.8	73
182	Revisiting land cover observation to address the needs of the climate modeling community. *Biogeosciences*, **2012**, 9, 2145-2157	4.6	71
181	Exploring different forest definitions and their impact on developing REDD+ reference emission levels: A case study for Indonesia. *Environmental Science and Policy*, **2013**, 33, 246-259	6.2	69
180	Comparative assessment of CORINE2000 and GLC2000: Spatial analysis of land cover data for Europe. *International Journal of Applied Earth Observation and Geoinformation*, **2007**, 9, 425-437	7.3	69
179	Envisioning REDD+ in a post-Paris era: between evolving expectations and current practice. *Wiley Interdisciplinary Reviews: Climate Change*, **2017**, 8, e425	8.4	68
178	Assessing global land cover reference datasets for different user communities. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 103, 93-114	11.8	67
177	Implications of sensor configuration and topography on vertical plant profiles derived from terrestrial LiDAR. *Agricultural and Forest Meteorology*, **2014**, 194, 104-117	5.8	65
176	Research priorities in land use and land-cover change for the Earth system and integrated assessment modelling. *International Journal of Climatology*, **2010**, 30, 2118-2128	3.5	65
175	Export-oriented deforestation in Mato Grosso: harbinger or exception for other tropical forests?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120173	5.8	64
174	Linking requirements with capabilities for deforestation monitoring in the context of the UNFCCC-REDD process. *Environmental Research Letters*, **2007**, 2, 045025	6.2	64
173	Non-destructive tree volume estimation through quantitative structure modelling: Comparing UAV laser scanning with terrestrial LIDAR. *Remote Sensing of Environment*, **2019**, 233, 111355	13.2	63
172	Models meet data: Challenges and opportunities in implementing land management in Earth system models. *Global Change Biology*, **2018**, 24, 1470-1487	11.4	63
171	Monitoring spring phenology with high temporal resolution terrestrial LiDAR measurements. *Agricultural and Forest Meteorology*, **2015**, 203, 158-168	5.8	61
170	A global land-cover validation data set, II: augmenting a stratified sampling design to estimate accuracy by region and land-cover class. *International Journal of Remote Sensing*, **2012**, 33, 6975-6993	3.1	61
169	Transitioning from change detection to monitoring with remote sensing: A paradigm shift. *Remote Sensing of Environment*, **2020**, 238, 111558	13.2	59
168	How countries link REDD+ interventions to drivers in their readiness plans: implications for monitoring systems. *Environmental Research Letters*, **2014**, 9, 074004	6.2	57
167	On the Suitability of MODIS Time Series Metrics to Map Vegetation Types in Dry Savanna Ecosystems: A Case Study in the Kalahari of NE Namibia. *Remote Sensing*, **2009**, 1, 620-643	5	56

166	Population Density and Image Texture. *Photogrammetric Engineering and Remote Sensing*, **2006**, 72, 187-196	1.96	54
165	Characterizing Forest Change Using Community-Based Monitoring Data and Landsat Time Series. *PLoS ONE*, **2016**, 11, e0147121	3.7	54
164	The Importance of Consistent Global Forest Aboveground Biomass Product Validation. *Surveys in Geophysics*, **2019**, 40, 979-999	7.6	53
163	Feature Level Fusion of Multi-Temporal ALOS PALSAR and Landsat Data for Mapping and Monitoring of Tropical Deforestation and Forest Degradation. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2013**, 6, 2159-2173	4.7	52
162	The Need for Improved Maps of Global Cropland. *Eos*, **2013**, 94, 31-32	1.5	52
161	Mapping biomass with remote sensing: a comparison of methods for the case study of Uganda. *Carbon Balance and Management*, **2011**, 6, 7	3.6	52
160	Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. *Trees - Structure and Function*, **2018**, 32, 1219-1231	2.6	51
159	Spatial Accuracy Assessment and Integration of Global Land Cover Datasets. *Remote Sensing*, **2015**, 7, 15804-15821	5	49
158	A Bayesian Approach to Combine Landsat and ALOS PALSAR Time Series for Near Real-Time Deforestation Detection. *Remote Sensing*, **2015**, 7, 4973-4996	5	49
157	Linking community-based and national REDD+ monitoring: a review of the potential. *Carbon Management*, **2013**, 4, 91-104	3.3	48
156	Assessing effects of temporal compositing and varying observation periods for large-area land-cover mapping in semi-arid ecosystems: Implications for global monitoring. *Remote Sensing of Environment*, **2011**, 115, 2445-2459	13.2	47
155	Fuelwood Savings and Carbon Emission Reductions by the Use of Improved Cooking Stoves in an Afromontane Forest, Ethiopia. *Land*, **2014**, 3, 1137-1157	3.5	46
154	Evolving standards in land cover characterization. *Journal of Land Use Science*, **2006**, 1, 157-168	2.7	45
153	New perspectives on the ecology of tree structure and tree communities through terrestrial laser scanning. *Interface Focus*, **2018**, 8, 20170052	3.9	44
152	Estimating aboveground net biomass change for tropical and subtropical forests: Refinement of IPCC default rates using forest plot data. *Global Change Biology*, **2019**, 25, 3609-3624	11.4	44
151	Tree species classification based on explicit tree structure feature parameters derived from static terrestrial laser scanning data. *Agricultural and Forest Meteorology*, **2016**, 216, 105-114	5.8	42
150	Comparison of Satellite-Derived Land Surface Temperature and Air Temperature from Meteorological Stations on the Pan-Arctic Scale. *Remote Sensing*, **2013**, 5, 2348-2367	5	42
149	Forest biomass retrieval approaches from earth observation in different biomes. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 77, 53-68	7.3	42

148	Quantifying the effect of forest age in annual net forest carbon balance. *Environmental Research Letters*, **2018**, 13, 124018	6.2	41
147	Comparative assessment of thematic accuracy of GLC maps for specific applications using existing reference data. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 44, 124-135	7.3	39
146	The Role and Need for Space-Based Forest Biomass-Related Measurements in Environmental Management and Policy. *Surveys in Geophysics*, **2019**, 40, 757-778	7.6	39
145	Comparing terrestrial laser scanning and unmanned aerial vehicle structure from motion to assess top of canopy structure in tropical forests. *Interface Focus*, **2018**, 8, 20170038	3.9	38
144	Trends in Spring Phenology of Western European Deciduous Forests. *Remote Sensing*, **2013**, 5, 6159-6179	3	38
143	Reviews and syntheses: An empirical spatiotemporal description of the global surface–atmosphere carbon fluxes: opportunities and data limitations. *Biogeosciences*, **2017**, 14, 3685-3703	4.6	37
142	Comparing methods for assessing the effectiveness of subnational REDD+ initiatives. *Environmental Research Letters*, **2017**, 12, 074007	6.2	35
141	REDD+ readiness: early insights on monitoring, reporting and verification systems of project developers. *Environmental Research Letters*, **2013**, 8, 034038	6.2	35
140	Finite element analysis of trees in the wind based on terrestrial laser scanning data. *Agricultural and Forest Meteorology*, **2019**, 265, 137-144	5.8	35
139	Assessing the influence of historic net and gross land changes on the carbon fluxes of Europe. *Global Change Biology*, **2016**, 22, 2526-39	11.4	33
138	Analysis of Visible/SWIR surface reflectance ratios for aerosol retrievals from satellite in Mexico City urban area. *Atmospheric Chemistry and Physics*, **2007**, 7, 5467-5477	6.8	33
137	Forest disturbance alerts for the Congo Basin using Sentinel-1. *Environmental Research Letters*, **2021**, 16, 024005	6.2	32
136	Upscaling Forest Biomass from Field to Satellite Measurements: Sources of Errors and Ways to Reduce Them. *Surveys in Geophysics*, **2019**, 40, 881-911	7.6	31
135	Relationships between declining summer sea ice, increasing temperatures and changing vegetation in the Siberian Arctic tundra from MODIS time series (2000–11). *Environmental Research Letters*, **2012**, 7, 044028	6.2	31
134	Agriculture-driven deforestation in the tropics from 1990–2015: emissions, trends and uncertainties. *Environmental Research Letters*, **2018**, 13, 014002	6.2	31
133	Mobile devices for community-based REDD+ monitoring: a case study for Central Vietnam. *Sensors*, **2012**, 13, 21-38	3.8	30
132	Imaging spectrometry and asphalt road surveys. *Transportation Research Part C: Emerging Technologies*, **2008**, 16, 153-166	8.4	30
131	Institutional effectiveness of REDD+ MRV: Countries progress in implementing technical guidelines and good governance requirements. *Environmental Science and Policy*, **2016**, 61, 42-52	6.2	30

130	50 years of water extraction in the Pampa del Tamarugal basin: Can Prosopis tamarugo trees survive in the hyper-arid Atacama Desert (Northern Chile)?. *Journal of Arid Environments*, **2016**, 124, 292-303	2.5	29
129	Characterizing Tropical Forest Cover Loss Using Dense Sentinel-1 Data and Active Fire Alerts. *Remote Sensing*, **2018**, 10, 777	5	29
128	Combining Satellite Data and Community-Based Observations for Forest Monitoring. *Forests*, **2014**, 5, 2464-2489	2.8	29
127	Tree Biomass Equations from Terrestrial LiDAR: A Case Study in Guyana. *Forests*, **2019**, 10, 527	2.8	28
126	Investigating assumptions of crown archetypes for modelling LiDAR returns. *Remote Sensing of Environment*, **2013**, 134, 39-49	13.2	28
125	Developing and applying a multi-purpose land cover validation dataset for Africa. *Remote Sensing of Environment*, **2018**, 219, 298-309	13.2	28
124	A functional insulator screen identifies NURF and dREAM components to be required for enhancer-blocking. *PLoS ONE*, **2014**, 9, e107765	3.7	27
123	Why Maintaining Tropical Forests is Essential and Urgent for a Stable Climate. *SSRN Electronic Journal*, **2014**,	1	27
122	The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations. *Earth System Science Data*, **2021**, 13, 3927-3950	10.5	26
121	Land Restoration in Latin America and the Caribbean: An Overview of Recent, Ongoing and Planned Restoration Initiatives and Their Potential for Climate Change Mitigation. *Forests*, **2019**, 10, 510	2.8	25
120	Modelling the spectral response of the desert tree Prosopis tamarugo to water stress. *International Journal of Applied Earth Observation and Geoinformation*, **2013**, 21, 53-65	7.3	25
119	Indicators of Northern Eurasian land-cover change trends from SPOT-VEGETATION time-series analysis 1998–2005. *International Journal of Remote Sensing*, **2007**, 28, 4199-4206	3.1	25
118	Assessment of Workflow Feature Selection on Forest LAI Prediction with Sentinel-2A MSI, Landsat 7 ETM+ and Landsat 8 OLI. *Remote Sensing*, **2020**, 12, 915	5	24
117	Tropical deforestation and greenhouse gas emissions. *Environmental Research Letters*, **2007**, 2, 045021	6.2	24
116	Human migration, climate variability, and land degradation: hotspots of socio-ecological pressure in Ethiopia. *Regional Environmental Change*, **2017**, 17, 1479-1492	4.3	23
115	REDD+ and climate smart agriculture in landscapes: A case study in Vietnam using companion modelling. *Journal of Environmental Management*, **2016**, 172, 58-70	7.9	23
114	Pan-Arctic Climate and Land Cover Trends Derived from Multi-Variate and Multi-Scale Analyses (1981–2012). *Remote Sensing*, **2014**, 6, 2296-2316	5	23
113	Hotspots of gross emissions from the land use sector: patterns, uncertainties, and leading emission sources for the period 2000–2005 in the tropics. *Biogeosciences*, **2016**, 13, 4253-4269	4.6	23

112	Fusion of pan-tropical biomass maps using weighted averaging and regional calibration data. *International Journal of Applied Earth Observation and Geoinformation*, **2014**, 31, 13-24	7.3	22
111	Bias in lidar-based canopy gap fraction estimates. *Remote Sensing Letters*, **2013**, 4, 391-399	2.3	22
110	Land-Cover Observations as Part of a Global Earth Observation System of Systems (GEOSS): Progress, Activities, and Prospects. *IEEE Systems Journal*, **2008**, 2, 414-423	4.3	22
109	Spatio-temporal assessment of beech growth in relation to climate extremes in Slovenia An integrated approach using remote sensing and tree-ring data. *Agricultural and Forest Meteorology*, **2020**, 287, 107925	5.8	22
108	Tree height in tropical forest as measured by different ground, proximal, and remote sensing instruments, and impacts on above ground biomass estimates. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 82, 101899	7.3	21
107	Assessing Water Stress of Desert Tamarugo Trees Using in situ Data and Very High Spatial Resolution Remote Sensing. *Remote Sensing*, **2013**, 5, 5064-5088	5	20
106	Dealing with locally-driven degradation: A quick start option under REDD+. *Carbon Balance and Management*, **2011**, 6, 16	3.6	20
105	Addressing the need for improved land cover map products for policy support. *Environmental Science and Policy*, **2020**, 112, 28-35	6.2	20
104	Tropical deforestation drivers and associated carbon emission factors derived from remote sensing data. *Environmental Research Letters*, **2019**, 14, 094022	6.2	19
103	Biodiversity Monitoring in Changing Tropical Forests: A Review of Approaches and New Opportunities. *Remote Sensing*, **2017**, 9, 1059	5	19
102	Advancing agricultural greenhouse gas quantification *. *Environmental Research Letters*, **2013**, 8, 011002	6.2	19
101	Forest Cover and Vegetation Degradation Detection in the Kavango Zambezi Transfrontier Conservation Area Using BFAST Monitor. *Remote Sensing*, **2018**, 10, 1850	5	19
100	Global data and tools for local forest cover loss and REDD+ performance assessment: Accuracy, uncertainty, complementarity and impact. *International Journal of Applied Earth Observation and Geoinformation*, **2019**, 80, 295-311	7.3	18
99	Estimating architecture-based metabolic scaling exponents of tropical trees using terrestrial LiDAR and 3D modelling. *Forest Ecology and Management*, **2019**, 439, 132-145	3.9	18
98	Memory effects of climate and vegetation affecting net ecosystem CO2 fluxes in global forests. *PLoS ONE*, **2019**, 14, e0211510	3.7	18
97	Using Space-Time Features to Improve Detection of Forest Disturbances from Landsat Time Series. *Remote Sensing*, **2017**, 9, 515	5	18
96	Design and Implementation of an Interactive Web-Based Near Real-Time Forest Monitoring System. *PLoS ONE*, **2016**, 11, e0150935	3.7	18
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94	Mitigation of agricultural emissions in the tropics: comparing forest land-sparing options at the national level. *Biogeosciences*, **2015**, 12, 4809-4825	4.6	17
93	Large scale land acquisitions and REDD+: a synthesis of conflicts and opportunities. *Environmental Research Letters*, **2017**, 12, 035010	6.2	16
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91	Space-time detection of deforestation, forest degradation and regeneration in montane forests of Eastern Tanzania. *International Journal of Applied Earth Observation and Geoinformation*, **2020**, 88, 102063	7.3	16
90	Integrating global land cover datasets for deriving user-specific maps. *International Journal of Digital Earth*, **2017**, 10, 219-237	3.9	16
89	Mapping the Leaf Economic Spectrum across West African Tropical Forests Using UAV-Acquired Hyperspectral Imagery. *Remote Sensing*, **2018**, 10, 1532	5	16
88	Identifying and Quantifying the Abundance of Economically Important Palms in Tropical Moist Forest Using UAV Imagery. *Remote Sensing*, **2020**, 12, 9	5	15
87	Assessing the structural differences between tropical forest types using Terrestrial Laser Scanning. *Forest Ecology and Management*, **2018**, 429, 327-335	3.9	14
86	deSpeckNet: Generalizing Deep Learning-Based SAR Image Despeckling. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 1-15	8.1	14
85	Monitoring Deforestation at Sub-Annual Scales as Extreme Events in Landsat Data Cubes. *Remote Sensing*, **2016**, 8, 651	5	14
84	What is out there? a typology of land restoration projects in Latin America and the Caribbean. *Environmental Research Communications*, **2019**, 1, 041004	3.1	13
83	Sustainable intensification of dairy production can reduce forest disturbance in Kenyan montane forests. *Agriculture, Ecosystems and Environment*, **2018**, 265, 307-319	5.7	13
82	Options for a National Framework for Benefit Distribution and Their Relation to Community-Based and National REDD+ Monitoring. *Forests*, **2014**, 5, 1596-1617	2.8	13
81	Integrating in-situ, Landsat, and MODIS data for mapping in Southern African savannas: experiences of LCCS-based land-cover mapping in the Kalahari in Namibia. *Environmental Monitoring and Assessment*, **2011**, 176, 531-47	3.1	13
80	Applying Imaging Spectrometry in Urban Areas **2006**, 137-164		13
79	Revisiting land cover observations to address the needs of the climate modelling community		13
78	Implementation of BFASTmonitor Algorithm on Google Earth Engine to Support Large-Area and Sub-Annual Change Monitoring Using Earth Observation Data. *Remote Sensing*, **2020**, 12, 2953	5	13
77	Why do forest products become less available?A pan-tropical comparison of drivers of forest-resource degradation. *Environmental Research Letters*, **2016**, 11, 125010	6.2	13

76	Independent data for transparent monitoring of greenhouse gas emissions from the land use sector □What do stakeholders think and need?. *Environmental Science and Policy*, **2018**, 85, 101-112	6.2	13
75	The feasibility of local participation in Measuring, Reporting and Verification (PMRV) for REDD. *PLoS ONE*, **2017**, 12, e0176897	3.7	12
74	Error Sources in Deforestation Detection Using BFAST Monitor on Landsat Time Series Across Three Tropical Sites. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2016**, 9, 3667-3679	4.7	12
73	Global Land Cover Mapping: Current Status and Future Trends. *Remote Sensing and Digital Image Processing*, **2014**, 11-30	0.2	12
72	An assessment of data sources, data quality and changes in national forest monitoring capacities in the Global Forest Resources Assessment 2005□2020. *Environmental Research Letters*, **2021**, 16, 054029	6.2	12
71	Carbon emissions from land cover change in Central Vietnam. *Carbon Management*, **2016**, 7, 333-346	3.3	12
70	Influence of solar zenith angle on the enhanced vegetation index of a Guyanese rainforest. *Remote Sensing Letters*, **2015**, 6, 972-981	2.3	11
69	Spatial and temporal deep learning methods for deriving land-use following deforestation: A pan-tropical case study using Landsat time series. *Remote Sensing of Environment*, **2021**, 264, 112600	13.2	11
68	The Spectral Dimension in Urban Remote Sensing. *Remote Sensing and Digital Image Processing*, **2010**, 47-65	0.2	11
67	The contribution of sectoral climate change mitigation options to national targets: a quantitative assessment of dairy production in Kenya. *Environmental Research Letters*, **2018**, 13, 034016	6.2	10
66	Climate-smart land use requires local solutions, transdisciplinary research, policy coherence and transparency. *Carbon Management*, **2018**, 9, 291-301	3.3	10
65	Global land characterisation using land cover fractions at 100 m resolution. *Remote Sensing of Environment*, **2021**, 259, 112409	13.2	10
64	Evaluating the Potential of PROBA-V Satellite Image Time Series for Improving LC Classification in Semi-Arid African Landscapes. *Remote Sensing*, **2016**, 8, 987	5	10
63	Intensification of dairy production can increase the GHG mitigation potential of the land use sector in East Africa. *Global Change Biology*, **2020**, 26, 568-585	11.4	10
62	High aboveground carbon stock of African tropical montane forests. *Nature*, **2021**, 596, 536-542	50.4	10
61	Towards operational validation of annual global land cover maps. *Remote Sensing of Environment*, **2021**, 266, 112686	13.2	10
60	The integration of empirical, remote sensing and modelling approaches enhances insight in the role of biodiversity in climate change mitigation by tropical forests. *Current Opinion in Environmental Sustainability*, **2017**, 26-27, 69-76	7.2	9
59	Towards integrated monitoring of REDD+. *Current Opinion in Environmental Sustainability*, **2015**, 14, 93-100	7.2	9

58	Synthesis and Review: Advancing agricultural greenhouse gas quantification. *Environmental Research Letters*, **2014**, 9, 075003	6.2	9
57	Plant functional type classification for Earth System Models: results from the European Space Agency's Land Cover Climate Change Initiative		9
56	Assessing the accuracy of hyperspectral and multispectral satellite imagery for categorical and Quantitative mapping of salinity stress in sugarcane fields. *International Journal of Applied Earth Observation and Geoinformation*, **2016**, 52, 412-421	7.3	9
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