

Rasmus Fensholt

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

10,617
citations

52
h-index

99
g-index

213
ext. papers

13,335
ext. citations

7.5
avg, IF

6.57
L-index

#	Paper	IF	Citations
180	China and India lead in greening of the world through land-use management. <i>Nature Sustainability</i> , 2019 , 2, 122-129	22.1	796
179	Automated Water Extraction Index: A new technique for surface water mapping using Landsat imagery. <i>Remote Sensing of Environment</i> , 2014 , 140, 23-35	13.2	777
178	Evaluation of Earth Observation based global long term vegetation trends [Comparing GIMMS and MODIS global NDVI time series. <i>Remote Sensing of Environment</i> , 2012 , 119, 131-147	13.2	463
177	Greenness in semi-arid areas across the globe 1981-2007 [An Earth Observing Satellite based analysis of trends and drivers. <i>Remote Sensing of Environment</i> , 2012 , 121, 144-158	13.2	443
176	Evaluation of MODIS LAI, fAPAR and the relation between fAPAR and NDVI in a semi-arid environment using in situ measurements. <i>Remote Sensing of Environment</i> , 2004 , 91, 490-507	13.2	439
175	Evaluation of earth observation based long term vegetation trends [Intercomparing NDVI time series trend analysis consistency of Sahel from AVHRR GIMMS, Terra MODIS and SPOT VGT data. <i>Remote Sensing of Environment</i> , 2009 , 113, 1886-1898	13.2	343
174	A Review of the Application of Optical and Radar Remote Sensing Data Fusion to Land Use Mapping and Monitoring. <i>Remote Sensing</i> , 2016 , 8, 70	5	332
173	Derivation of a shortwave infrared water stress index from MODIS near- and shortwave infrared data in a semiarid environment. <i>Remote Sensing of Environment</i> , 2003 , 87, 111-121	13.2	281
172	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
171	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1885-1898	8.1	245
170	Increased vegetation growth and carbon stock in China karst via ecological engineering. <i>Nature Sustainability</i> , 2018 , 1, 44-50	22.1	230
169	Combining the triangle method with thermal inertia to estimate regional evapotranspiration [Applied to MSG-SEVIRI data in the Senegal River basin. <i>Remote Sensing of Environment</i> , 2008 , 112, 1242-1255	13.2	217
168	Estimation of diurnal air temperature using MSG SEVIRI data in West Africa. <i>Remote Sensing of Environment</i> , 2007 , 110, 262-274	13.2	173
167	Evaluating temporal consistency of long-term global NDVI datasets for trend analysis. <i>Remote Sensing of Environment</i> , 2015 , 163, 326-340	13.2	171
166	Analysis of trends in the Sahelian [rain-use efficiency] using GIMMS NDVI, RFE and GPCP rainfall data. <i>Remote Sensing of Environment</i> , 2011 , 115, 438-451	13.2	157
165	Assessing Land Degradation/Recovery in the African Sahel from Long-Term Earth Observation Based Primary Productivity and Precipitation Relationships. <i>Remote Sensing</i> , 2013 , 5, 664-686	5	141
164	Remote sensing of vegetation dynamics in drylands: Evaluating vegetation optical depth (VOD) using AVHRR NDVI and in situ green biomass data over West African Sahel. <i>Remote Sensing of Environment</i> , 2016 , 177, 265-276	13.2	127

163	Evaluation of fraction of absorbed photosynthetically active radiation products for different canopy radiation transfer regimes: Methodology and results using Joint Research Center products derived from SeaWiFS against ground-based estimations. <i>Journal of Geophysical Research</i> , 2006 , 111		126
162	Quantifying the effectiveness of ecological restoration projects on long-term vegetation dynamics in the karst regions of Southwest China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017 , 54, 105-113	7.3	122
161	Water availability as the driver of vegetation dynamics in the African Sahel from 1982 to 2007. <i>Global and Planetary Change</i> , 2011 , 76, 186-195	4.2	112
160	Evaluation of satellite based primary production modelling in the semi-arid Sahel. <i>Remote Sensing of Environment</i> , 2006 , 105, 173-188	13.2	105
159	Human population growth offsets climate-driven increase in woody vegetation in sub-Saharan Africa. <i>Nature Ecology and Evolution</i> , 2017 , 1, 81	12.3	103
158	Forest management in southern China generates short term extensive carbon sequestration. <i>Nature Communications</i> , 2020 , 11, 129	17.4	102
157	Ground- and satellite-based evidence of the biophysical mechanisms behind the greening Sahel. <i>Global Change Biology</i> , 2015 , 21, 1610-20	11.4	97
156	Satellite passive microwaves reveal recent climate-induced carbon losses in African drylands. <i>Nature Ecology and Evolution</i> , 2018 , 2, 827-835	12.3	97
155	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006 , 44, 1774-1786	8.1	95
154	Analysing NDVI for the African continent using the geostationary meteosat second generation SEVIRI sensor. <i>Remote Sensing of Environment</i> , 2006 , 101, 212-229	13.2	91
153	Actual evapotranspiration in drylands derived from in-situ and satellite data: Assessing biophysical constraints. <i>Remote Sensing of Environment</i> , 2013 , 131, 103-118	13.2	88
152	Satellite-observed pantropical carbon dynamics. <i>Nature Plants</i> , 2019 , 5, 944-951	11.5	82
151	An unexpectedly large count of trees in the West African Sahara and Sahel. <i>Nature</i> , 2020 , 587, 78-82	50.4	77
150	Ecosystem properties of semiarid savanna grassland in West Africa and its relationship with environmental variability. <i>Global Change Biology</i> , 2015 , 21, 250-64	11.4	76
149	Drought footprint on European ecosystems between 1999 and 2010 assessed by remotely sensed vegetation phenology and productivity. <i>Global Change Biology</i> , 2014 , 20, 581-93	11.4	74
148	Woody plant cover estimation in drylands from Earth Observation based seasonal metrics. <i>Remote Sensing of Environment</i> , 2016 , 172, 28-38	13.2	73
147	Climate Contributions to Vegetation Variations in Central Asian Drylands: Pre- and Post-USSR Collapse. <i>Remote Sensing</i> , 2015 , 7, 2449-2470	5	73
146	Coupling of ecosystem-scale plant water storage and leaf phenology observed by satellite. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1428-1435	12.3	72

145	Assimilation of SMOS-derived soil moisture in a fully integrated hydrological and soil-vegetation-atmosphere transfer model in Western Denmark. <i>Water Resources Research</i> , 2014 , 50, 8962-8981	5.4	69
144	Satellite-Observed Major Greening and Biomass Increase in South China Karst During Recent Decade. <i>Earth's Future</i> , 2018 , 6, 1017-1028	7.9	68
143	The forgotten D: challenges of addressing forest degradation in complex mosaic landscapes under REDD+. <i>Geografisk Tidsskrift</i> , 2012 , 112, 63-76	1.5	67
142	Cross-border forest disturbance and the role of natural rubber in mainland Southeast Asia using annual Landsat time series. <i>Remote Sensing of Environment</i> , 2015 , 169, 438-453	13.2	66
141	Assessing woody vegetation trends in Sahelian drylands using MODIS based seasonal metrics. <i>Remote Sensing of Environment</i> , 2016 , 183, 215-225	13.2	65
140	Assessing Future Vegetation Trends and Restoration Prospects in the Karst Regions of Southwest China. <i>Remote Sensing</i> , 2016 , 8, 357	5	65
139	Evaluation of MODIS and NOAA AVHRR vegetation indices with in situ measurements in a semi-arid environment. <i>International Journal of Remote Sensing</i> , 2005 , 26, 2561-2594	3.1	64
138	How Normalized Difference Vegetation Index (NDVI) Trends from Advanced Very High Resolution Radiometer (AVHRR) and Système Probatoire d'Observation de la Terre VEGETATION (SPOT VGT) Time Series Differ in Agricultural Areas: An Inner Mongolian Case Study. <i>Remote Sensing</i> , 2012 , 4, 3364-3389	5	63
137	Tropical forests did not recover from the strong 2015-2016 El Niño event. <i>Science Advances</i> , 2020 , 6, eaay4603	14.3	62
136	Mapping gains and losses in woody vegetation across global tropical drylands. <i>Global Change Biology</i> , 2017 , 23, 1748-1760	11.4	62
135	Evaluation of the Plant Phenology Index (PPI), NDVI and EVI for Start-of-Season Trend Analysis of the Northern Hemisphere Boreal Zone. <i>Remote Sensing</i> , 2017 , 9, 485	5	61
134	Can vegetation productivity be derived from greenness in a semi-arid environment? Evidence from ground-based measurements. <i>Journal of Arid Environments</i> , 2013 , 97, 56-65	2.5	60
133	Earth observation of vegetation status in the Sahelian and Sudanian West Africa: comparison of Terra MODIS and NOAA AVHRR satellite data. <i>International Journal of Remote Sensing</i> , 2004 , 25, 1641-1659	3.1	60
132	"Reduction of tree cover in West African woodlands and promotion in semi-arid farmlands". <i>Nature Geoscience</i> , 2018 , 11, 328-333	18.3	58
131	Mapping and Evaluation of NDVI Trends from Synthetic Time Series Obtained by Blending Landsat and MODIS Data around a Coalfield on the Loess Plateau. <i>Remote Sensing</i> , 2013 , 5, 4255-4279	5	58
130	Ecological restoration enhances ecosystem health in the karst regions of southwest China. <i>Ecological Indicators</i> , 2018 , 90, 416-425	5.8	57
129	Evaluation of AVHRR PAL and GIMMS 10-day composite NDVI time series products using SPOT-4 vegetation data for the African continent. <i>International Journal of Remote Sensing</i> , 2006 , 27, 2719-2733	3.1	54
128	Mapping dynamics of deforestation and forest degradation in tropical forests using radar satellite data. <i>Environmental Research Letters</i> , 2015 , 10, 034014	6.2	48

127	Revealing turning points in ecosystem functioning over the Northern Eurasian agricultural frontier. <i>Global Change Biology</i> , 2016 , 22, 2801-17	11.4	47
126	Revisiting the coupling between NDVI trends and cropland changes in the Sahel drylands: A case study in western Niger. <i>Remote Sensing of Environment</i> , 2017 , 191, 286-296	13.2	45
125	Assessing European ecosystem stability to drought in the vegetation growing season. <i>Global Ecology and Biogeography</i> , 2016 , 25, 1131-1143	6.1	43
124	Dynamics in carbon exchange fluxes for a grazed semi-arid savanna ecosystem in West Africa. <i>Agriculture, Ecosystems and Environment</i> , 2015 , 205, 15-24	5.7	40
123	Recent divergence in the contributions of tropical and boreal forests to the terrestrial carbon sink. <i>Nature Ecology and Evolution</i> , 2020 , 4, 202-209	12.3	39
122	Snow cover and snow albedo changes in the central Andes of Chile and Argentina from daily MODIS observations (2000-2016). <i>Remote Sensing of Environment</i> , 2018 , 209, 240-252	13.2	39
121	Woody Vegetation Die off and Regeneration in Response to Rainfall Variability in the West African Sahel. <i>Remote Sensing</i> , 2017 , 9, 39	5	39
120	Acceleration of global vegetation greenup from combined effects of climate change and human land management. <i>Global Change Biology</i> , 2018 , 24, 5484-5499	11.4	39
119	Fodder Biomass Monitoring in Sahelian Rangelands Using Phenological Metrics from FAPAR Time Series. <i>Remote Sensing</i> , 2015 , 7, 9122-9148	5	38
118	Glacier area changes in the central Chilean and Argentinean Andes 1955-2013/14. <i>Journal of Glaciology</i> , 2016 , 62, 391-401	3.4	38
117	Climate data induced uncertainty in model-based estimations of terrestrial primary productivity. <i>Environmental Research Letters</i> , 2017 , 12, 064013	6.2	37
116	Using Landsat Vegetation Indices to Estimate Impervious Surface Fractions for European Cities. <i>Remote Sensing</i> , 2015 , 7, 8224-8249	5	37
115	Comparisons of Compositing Period Length for Vegetation Index Data from Polar-orbiting and Geostationary Satellites for the Cloud-prone Region of West Africa. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007 , 73, 297-309	1.6	37
114	From woody cover to woody canopies: How Sentinel-1 and Sentinel-2 data advance the mapping of woody plants in savannas. <i>Remote Sensing of Environment</i> , 2019 , 234, 111465	13.2	35
113	An ESTARFM Fusion Framework for the Generation of Large-Scale Time Series in Cloud-Prone and Heterogeneous Landscapes. <i>Remote Sensing</i> , 2016 , 8, 425	5	35
112	Understanding 'saturation' of radar signals over forests. <i>Scientific Reports</i> , 2017 , 7, 3505	4.9	34
111	Changes in rainfall distribution promote woody foliage production in the Sahel. <i>Communications Biology</i> , 2019 , 2, 133	6.7	34
110	Using earth observation-based dry season NDVI trends for assessment of changes in tree cover in the Sahel. <i>International Journal of Remote Sensing</i> , 2014 , 35, 2493-2515	3.1	34

109	Monitoring Agricultural Expansion in Burkina Faso over 14 Years with 30 m Resolution Time Series: The Role of Population Growth and Implications for the Environment. <i>Remote Sensing</i> , 2017 , 9, 132	5	34
108	Economic Valuation of Mangroves for Comparison with Commercial Aquaculture in South Sulawesi, Indonesia. <i>Forests</i> , 2015 , 6, 3028-3044	2.8	34
107	Detecting and monitoring long-term landslides in urbanized areas with nighttime light data and multi-seasonal Landsat imagery across Taiwan from 1998 to 2017. <i>Remote Sensing of Environment</i> , 2019 , 225, 317-327	13.2	33
106	L-Band SAR Backscatter Related to Forest Cover, Height and Aboveground Biomass at Multiple Spatial Scales across Denmark. <i>Remote Sensing</i> , 2015 , 7, 4442-4472	5	33
105	Estimation of Herbaceous Fuel Moisture Content Using Vegetation Indices and Land Surface Temperature from MODIS Data. <i>Remote Sensing</i> , 2013 , 5, 2617-2638	5	33
104	Ecological engineering projects increased vegetation cover, production, and biomass in semiarid and subhumid Northern China. <i>Land Degradation and Development</i> , 2019 , 30, 1620-1631	4.4	32
103	Tree survey and allometric models for tiger bush in northern Senegal and comparison with tree parameters derived from high resolution satellite data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011 , 13, 517-527	7.3	32
102	Impacts of the seasonal distribution of rainfall on vegetation productivity across the Sahel. <i>Biogeosciences</i> , 2018 , 15, 319-330	4.6	32
101	Trends of land surface phenology derived from passive microwave and optical remote sensing systems and associated drivers across the dry tropics 1992-2012. <i>Remote Sensing of Environment</i> , 2019 , 232, 111307	13.2	31
100	Rapid response flood detection using the MSG geostationary satellite. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011 , 13, 536-544	7.3	31
99	Assessment of MODIS sun-sensor geometry variations effect on observed NDVI using MSG SEVIRI geostationary data. <i>International Journal of Remote Sensing</i> , 2010 , 31, 6163-6187	3.1	31
98	Remote sensing and geospatial technologies in support of a normative land system science: status and prospects. <i>Current Opinion in Environmental Sustainability</i> , 2019 , 38, 44-52	7.2	30
97	Analysing the advantages of high temporal resolution geostationary MSG SEVIRI data compared to Polar Operational Environmental Satellite data for land surface monitoring in Africa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011 , 13, 721-729	7.3	30
96	The forgotten land use class: Mapping of fallow fields across the Sahel using Sentinel-2. <i>Remote Sensing of Environment</i> , 2020 , 239, 111598	13.2	30
95	Disaggregation of SMOS soil moisture over West Africa using the Temperature and Vegetation Dryness Index based on SEVIRI land surface parameters. <i>Remote Sensing of Environment</i> , 2018 , 206, 424-441	13.2	29
94	Unravelling the link between global rubber price and tropical deforestation in Cambodia. <i>Nature Plants</i> , 2019 , 5, 47-53	11.5	29
93	A Framework for Consistent Estimation of Leaf Area Index, Fraction of Absorbed Photosynthetically Active Radiation, and Surface Albedo from MODIS Time-Series Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 3178-3197	8.1	28
92	Improving the SMAC atmospheric correction code by analysis of Meteosat Second Generation NDVI and surface reflectance data. <i>Remote Sensing of Environment</i> , 2010 , 114, 1687-1698	13.2	28

91	Analysis of teleconnections between AVHRR-based sea surface temperature and vegetation productivity in the semi-arid Sahel. <i>Remote Sensing of Environment</i> , 2011 , 115, 3276-3285	13.2	27
90	Detecting Canopy Water Status Using Shortwave Infrared Reflectance Data From Polar Orbiting and Geostationary Platforms. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2010 , 3, 271-285	4.7	26
89	Mangrove forest decline: consequences for livelihoods and environment in South Sulawesi. <i>Regional Environmental Change</i> , 2017 , 17, 157-169	4.3	25
88	Using long-term daily satellite based rainfall data (1983-2015) to analyze spatio-temporal changes in the sahelian rainfall regime. <i>Journal of Hydrology</i> , 2017 , 550, 427-440	6	25
87	Mapping Clearances in Tropical Dry Forests Using Breakpoints, Trend, and Seasonal Components from MODIS Time Series: Does Forest Type Matter?. <i>Remote Sensing</i> , 2016 , 8, 657	5	25
86	Relation between Seasonally Detrended Shortwave Infrared Reflectance Data and Land Surface Moisture in Semi-Arid Sahel. <i>Remote Sensing</i> , 2013 , 5, 2898-2927	5	23
85	Mangrove exploitation effects on biodiversity and ecosystem services. <i>Biodiversity and Conservation</i> , 2015 , 24, 3543-3557	3.4	22
84	Global-scale mapping of changes in ecosystem functioning from earth observation-based trends in total and recurrent vegetation. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1003-1017	6.1	22
83	Spatiotemporal variability in carbon exchange fluxes across the Sahel. <i>Agricultural and Forest Meteorology</i> , 2016 , 226-227, 108-118	5.8	22
82	Environmental change in the Sahel: reconciling contrasting evidence and interpretations. <i>Regional Environmental Change</i> , 2016 , 16, 673-680	4.3	21
81	Global Biogeographical Pattern of Ecosystem Functional Types Derived From Earth Observation Data. <i>Remote Sensing</i> , 2013 , 5, 3305-3330	5	21
80	Accelerating land cover change in West Africa over four decades as population pressure increased. <i>Communications Earth & Environment</i> , 2020 , 1,	6.1	21
79	The human-environment nexus and vegetation-rainfall sensitivity in tropical drylands. <i>Nature Sustainability</i> , 2021 , 4, 25-32	22.1	21
78	A Spatiotemporal Analysis of Climatic Drivers for Observed Changes in Sahelian Vegetation Productivity (1982-2007). <i>International Journal of Geophysics</i> , 2011 , 2011, 1-14	2	20
77	Ecosystem structural changes controlled by altered rainfall climatology in tropical savannas. <i>Nature Communications</i> , 2019 , 10, 671	17.4	20
76	An automated field spectrometer system for studying VIS, NIR and SWIR anisotropy for semi-arid savanna. <i>Remote Sensing of Environment</i> , 2014 , 152, 547-556	13.2	19
75	Using Fractal Analysis in Modeling the Dynamics of Forest Areas and Economic Impact Assessment: Maramureş County, Romania, as a Case Study. <i>Forests</i> , 2017 , 8, 25	2.8	19
74	A comparison of the effectiveness of 6S and SMAC in correcting for atmospheric interference of Meteosat Second Generation images. <i>Journal of Geophysical Research</i> , 2010 , 115,		19

73	Mapping European ecosystem change types in response to land-use change, extreme climate events, and land degradation. <i>Land Degradation and Development</i> , 2019 , 30, 951-963	4.4	17
72	Large scale reforestation of farmlands on sloping hills in South China karst. <i>Landscape Ecology</i> , 2020 , 35, 1445-1458	4.3	17
71	Do afforestation projects increase core forests? Evidence from the Chinese Loess Plateau. <i>Ecological Indicators</i> , 2020 , 117, 106558	5.8	17
70	Assessment of Textural Differentiations in Forest Resources in Romania Using Fractal Analysis. <i>Forests</i> , 2017 , 8, 54	2.8	17
69	Does EO NDVI seasonal metrics capture variations in species composition and biomass due to grazing in semi-arid grassland savannas?. <i>Biogeosciences</i> , 2015 , 12, 4407-4419	4.6	17
68	Major forest increase on the Loess Plateau, China (2001-2016). <i>Land Degradation and Development</i> , 2018 , 29, 4080-4091	4.4	17
67	Inter-comparison of energy balance and hydrological models for land surface energy flux estimation over a whole river catchment. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 2017-2036	5.5	16
66	Global-scale assessment and inter-comparison of recently developed/reprocessed microwave satellite vegetation optical depth products. <i>Remote Sensing of Environment</i> , 2021 , 253, 112208	13.2	16
65	Vietnam's forest transition in retrospect: demonstrating weaknesses in business-as-usual scenarios for REDD. <i>Environmental Management</i> , 2015 , 55, 1080-92	3.1	15
64	Global-scale characterization of turning points in arid and semi-arid ecosystem functioning. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1230-1245	6.1	15
63	Uncertainty in establishing forest reference levels and predicting future forest-based carbon stocks for REDD+. <i>Journal of Land Use Science</i> , 2018 , 13, 1-15	2.7	15
62	Temporal Changes in Coupled Vegetation Phenology and Productivity are Biome-Specific in the Northern Hemisphere. <i>Remote Sensing</i> , 2017 , 9, 1277	5	14
61	Explaining NDVI trends in northern Burkina Faso. <i>Geografisk Tidsskrift</i> , 2014 , 114, 17-24	1.5	14
60	Trends in Global Vegetation Activity and Climatic Drivers Indicate a Decoupled Response to Climate Change. <i>PLoS ONE</i> , 2015 , 10, e0138013	3.7	14
59	Towards improved remote sensing based monitoring of dryland ecosystem functioning using sequential linear regression slopes (SeRGS). <i>Remote Sensing of Environment</i> , 2019 , 224, 317-332	13.2	13
58	Evaluating EO-based canopy water stress from seasonally detrended NDVI and SIWSI with modeled evapotranspiration in the Senegal River Basin. <i>Remote Sensing of Environment</i> , 2015 , 159, 57-69	13.2	13
57	Modelling spatial and temporal dynamics of gross primary production in the Sahel from earth-observation-based photosynthetic capacity and quantum efficiency. <i>Biogeosciences</i> , 2017 , 14, 1333-1348 ¹³	4.6	13
56	The Normalization of Surface Anisotropy Effects Present in SEVIRI Reflectances by Using the MODIS BRDF Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 6026-6039	8.1	13

55	Very high CO ₂ exchange fluxes at the peak of the rainy season in a West African grazed semi-arid savanna ecosystem. <i>Geografisk Tidsskrift</i> , 2016 , 116, 93-109	1.5	13
54	The confounding effect of snow cover on assessing spring phenology from space: A new look at trends on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2021 , 756, 144011	10.2	13
53	Soil and vegetation-atmosphere exchange of NO, NH ₃ , and N ₂ O from field measurements in a semi arid grazed ecosystem in Senegal. <i>Atmospheric Environment</i> , 2017 , 156, 36-51	5.3	11
52	Modeling and assessment of wavelength displacements of characteristic absorption features of common rock forming minerals encrusted by lichens. <i>Remote Sensing of Environment</i> , 2017 , 199, 78-92	13.2	11
51	Advances in monitoring vegetation and land use dynamics in the Sahel. <i>Geografisk Tidsskrift</i> , 2014 , 114, 84-91	1.5	11
50	Exploring Patterns and Effects of Aerosol Quantity Flag Anomalies in MODIS Surface Reflectance Products in the Tropics. <i>Remote Sensing</i> , 2013 , 5, 3495-3515	5	11
49	Does grazing cause land degradation? Evidence from the sandy Ferlo in Northern Senegal. <i>Land Degradation and Development</i> , 2018 , 29, 4337-4347	4.4	11
48	Operationalizing measurement of forest degradation: Identification and quantification of charcoal production in tropical dry forests using very high resolution satellite imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015 , 39, 18-27	7.3	10
47	Nonlinear dynamics of fires in Africa over recent decades controlled by precipitation. <i>Global Change Biology</i> , 2020 , 26, 4495-4505	11.4	10
46	Classification of Nemoral Forests with Fusion of Multi-Temporal Sentinel-1 and 2 Data. <i>Remote Sensing</i> , 2021 , 13, 950	5	10
45	Geographic Object Based Image Analysis of WorldView-3 Imagery for Urban Hydrologic Modelling at the Catchment Scale. <i>Water (Switzerland)</i> , 2019 , 11, 1133	3	9
44	Deriving seasonal dynamics in ecosystem properties of semi-arid savanna grasslands from in situ-based hyperspectral reflectance. <i>Biogeosciences</i> , 2015 , 12, 4621-4635	4.6	9
43	Global Ecosystem Response Types Derived from the Standardized Precipitation Evapotranspiration Index and FPAR3g Series. <i>Remote Sensing</i> , 2014 , 6, 4266-4288	5	9
42	Influence of the inter tropical discontinuity on Harmattan dust deposition in Ghana. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 3425-3435	3.6	9
41	An Optical and SAR Based Fusion Approach for Mapping Surface Water Dynamics over Mainland China. <i>Remote Sensing</i> , 2021 , 13, 1663	5	9
40	Water content and land use history controlling soil CO ₂ respiration and carbon stock in savanna soil and groundnut fields in semi-arid Senegal. <i>Geografisk Tidsskrift</i> , 2003 , 103, 47-56	1.5	8
39	A global analysis of multifaceted urbanization patterns using Earth Observation data from 1975 to 2015. <i>Landscape and Urban Planning</i> , 2022 , 219, 104316	7.7	8
38	Effect of climate dataset selection on simulations of terrestrial GPP: Highest uncertainty for tropical regions. <i>PLoS ONE</i> , 2018 , 13, e0199383	3.7	8

37	Integration of Vessel-Based Hyperspectral Scanning and 3D-Photogrammetry for Mobile Mapping of Steep Coastal Cliffs in the Arctic. <i>Remote Sensing</i> , 2018 , 10, 175	5	8
36	A large but transient carbon sink from urbanization and rural depopulation in China. <i>Nature Sustainability</i> ,	22.1	7
35	Dryland Vegetation Functional Response to Altered Rainfall Amounts and Variability Derived from Satellite Time Series Data. <i>Remote Sensing</i> , 2016 , 8, 1026	5	7
34	Application of Fractal and Gray-Level Co-Occurrence Matrix Indices to Assess the Forest Dynamics in the Curvature CarpathiansRomania. <i>Sustainability</i> , 2019 , 11, 6927	3.6	7
33	Recent Deforestation Pattern Changes (2000-2017) in the Central Carpathians: A Gray-Level Co-Occurrence Matrix and Fractal Analysis Approach. <i>Forests</i> , 2019 , 10, 308	2.8	6
32	Approaching the potential of model-data comparisons of global land carbon storage. <i>Scientific Reports</i> , 2019 , 9, 3367	4.9	6
31	Assessment of Vegetation Trends in Drylands from Time Series of Earth Observation Data. <i>Remote Sensing and Digital Image Processing</i> , 2015 , 159-182	0.2	6
30	Assessing Drivers of Vegetation Changes in Drylands from Time Series of Earth Observation Data. <i>Remote Sensing and Digital Image Processing</i> , 2015 , 183-202	0.2	6
29	Asymmetric patterns and temporal changes in phenology-based seasonal gross carbon uptake of global terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1020-1033	6.1	6
28	Decline of woody vegetation in a saline landscape in the Groundnut Basin, Senegal. <i>Regional Environmental Change</i> , 2016 , 16, 1765-1777	4.3	6
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