S J Goetz

List of Publications by Citations

204 papers	22,650 citations	69 h-index	148 g-index
222 ext. papers	26,609 ext. citations	8.2 avg, IF	6.83 L-index

#	Paper	IF	Citations
204	High-resolution global maps of 21st-century forest cover change. *Science*, **2013**, 342, 850-3	33.3	5670
203	Estimated carbon dioxide emissions from tropical deforestation improved by carbon-density maps. *Nature Climate Change*, **2012**, 2, 182-185	21.4	1072
202	Shrub expansion in tundra ecosystems: dynamics, impacts and research priorities. *Environmental Research Letters*, **2011**, 6, 045509	6.2	802
201	Satellite-observed photosynthetic trends across boreal North America associated with climate and fire disturbance. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 13521-5	11.5	481
200	Shifts in Arctic vegetation and associated feedbacks under climate change. *Nature Climate Change*, **2013**, 3, 673-677	21.4	463
199	Radiometric rectification: Toward a common radiometric response among multidate, multisensor images. *Remote Sensing of Environment*, **1991**, 35, 11-27	13.2	415
198	Temperature and vegetation seasonality diminishment over northern lands. *Nature Climate Change*, **2013**, 3, 581-586	21.4	381
197	Importance of biomass in the global carbon cycle. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		340
196	A meta-analysis of terrestrial aboveground biomass estimation using lidar remote sensing. *Remote Sensing of Environment*, **2013**, 128, 289-298	13.2	339
195	Satellite remote sensing of surface energy balance: Success, failures, and unresolved issues in FIFE. *Journal of Geophysical Research*, **1992**, 97, 19061		313
194	A first map of tropical Africa above-ground biomass derived from satellite imagery. *Environmental Research Letters*, **2008**, 3, 045011	6.2	274
193	Plant functional trait change across a warming tundra biome. *Nature*, **2018**, 562, 57-62	50.4	264
192	Laser remote sensing of canopy habitat heterogeneity as a predictor of bird species richness in an eastern temperate forest, USA. *Remote Sensing of Environment*, **2007**, 108, 254-263	13.2	246
191	Multi-sensor analysis of NDVI, surface temperature and biophysical variables at a mixed grassland site. *International Journal of Remote Sensing*, **1997**, 18, 71-94	3.1	240
190	Changes in forest productivity across Alaska consistent with biome shift. *Ecology Letters*, **2011**, 14, 373-910		238
189	Expansion of industrial logging in Central Africa. *Science*, **2007**, 316, 1451	33.3	229
188	Mapping and monitoring carbon stocks with satellite observations: a comparison of methods. *Carbon Balance and Management*, **2009**, 4, 2	3.6	216

187	IKONOS imagery for resource management: Tree cover, impervious surfaces, and riparian buffer analyses in the mid-Atlantic region. *Remote Sensing of Environment*, **2003**, 88, 195-208	13.2	216
186	Complexity revealed in the greening of the Arctic. *Nature Climate Change*, **2020**, 10, 106-117	21.4	211
185	Seasonal and interannual variability of climate and vegetation indices across the Amazon. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14685-90	11.5	208
184	Mapping and monitoring deforestation and forest degradation in Sumatra (Indonesia) using Landsat time series data sets from 1990 to 2010. *Environmental Research Letters*, **2012**, 7, 034010	6.2	205
183	Advances in remote sensing technology and implications for measuring and monitoring forest carbon stocks and change. *Carbon Management*, **2011**, 2, 231-244	3.3	204
182	The Global Ecosystem Dynamics Investigation: High-resolution laser ranging of the Earth's forests and topography. *Science of Remote Sensing*, **2020**, 1, 100002	11.8	201
181	Large-Scale Patterns of Forest Succession as Determined by Remote Sensing. *Ecology*, **1991**, 72, 628-640	4.6	193
180	Vegetation productivity patterns at high northern latitudes: a multi-sensor satellite data assessment. *Global Change Biology*, **2014**, 20, 3147-58	11.4	190
179	Satellite based analysis of northern ET trends and associated changes in the regional water balance from 1983 to 2005. *Journal of Hydrology*, **2009**, 379, 92-110	6	189
178	Using the Sleuth Urban Growth Model to Simulate the Impacts of Future Policy Scenarios on Urban Land Use in the Baltimore-Washington Metropolitan Area. *Environment and Planning B: Planning and Design*, **2004**, 31, 251-271		179
177	Remote sensing of vegetation 3-D structure for biodiversity and habitat: Review and implications for lidar and radar spaceborne missions. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		176
176	Global restoration opportunities in tropical rainforest landscapes. *Science Advances*, **2019**, 5, eaav3223	14.3	172
175	Satellite observations of high northern latitude vegetation productivity changes between 1982 and 2008: ecological variability and regional differences. *Environmental Research Letters*, **2011**, 6, 045501	6.2	168
174	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. *Environmental Research Letters*, **2016**, 11, 034014	6.2	165
173	Using satellite time-series data sets to analyze fire disturbance and forest recovery across Canada. *Remote Sensing of Environment*, **2006**, 101, 352-365	13.2	156
172	Satellite remote sensing of primary production: an improved production efficiency modeling approach. *Ecological Modelling*, **1999**, 122, 239-255	3	156
171	Increasing wildfires threaten historic carbon sink of boreal forest soils. *Nature*, **2019**, 572, 520-523	50.4	152
170	Designing and implementing a regional urban modeling system using the SLEUTH cellular urban model. *Computers, Environment and Urban Systems*, **2010**, 34, 1-16	5.9	149

169	Ecosystem responses to recent climate change and fire disturbance at northern high latitudes: observations and model results contrasting northern Eurasia and North America. *Environmental Research Letters*, **2007**, 2, 045031	6.2	140
168	Ten ways remote sensing can contribute to conservation. *Conservation Biology*, **2015**, 29, 350-9	6	139
167	Remotely Sensed Interannual Variations and Trends in Terrestrial Net Primary Productivity 19812000. *Ecosystems*, **2004**, 7, 233	3.9	139
166	Lidar remote sensing variables predict breeding habitat of a Neotropical migrant bird. *Ecology*, **2010**, 91, 1569-76	4.6	137
165	Trends in Satellite-Observed Circumpolar Photosynthetic Activity from 1982 to 2003: The Influence of Seasonality, Cover Type, and Vegetation Density. *Earth Interactions*, **2006**, 10, 1-19	1.5	132
164	Climate-driven risks to the climate mitigation potential of forests. *Science*, **2020**, 368,	33.3	131
163	Uncertainty in the spatial distribution of tropical forest biomass: a comparison of pan-tropical maps. *Carbon Balance and Management*, **2013**, 8, 10	3.6	131
162	Modelling Terrestrial Carbon Exchange and Storage: Evidence and Implications of Functional Convergence in Light-use Efficiency. *Advances in Ecological Research*, **1999**, 57-92	4.6	131
161	Remote sensing of net primary production in boreal forest stands. *Agricultural and Forest Meteorology*, **1996**, 78, 149-179	5.8	129
160	The impacts and implications of an intensifying fire regime on Alaskan boreal forest composition and albedo. *Global Change Biology*, **2011**, 17, 2853-2866	11.4	125
159	Modeling vegetation pattern using digital terrain data. *Landscape Ecology*, **1990**, 4, 69-80	4.3	125
158	Inference of surface and air temperature, atmospheric precipitable water and vapor pressure deficit using Advanced Very High-Resolution Radiometer satellite observations: comparison with field observations. *Journal of Hydrology*, **1998**, 212-213, 230-249	6	121
157	Global environmental data for mapping infectious disease distribution. *Advances in Parasitology*, **2006**, 62, 37-77	3.2	120
156	Vegetation controls on northern high latitude snow-albedo feedback: observations and CMIP5 model simulations. *Global Change Biology*, **2014**, 20, 594-606	11.4	119
155	Aboveground carbon loss in natural and managed tropical forests from 2000 to 2012. *Environmental Research Letters*, **2015**, 10, 074002	6.2	114
154	Monitoring conterminous United States (CONUS) land cover change with Web-Enabled Landsat Data (WELD). *Remote Sensing of Environment*, **2014**, 140, 466-484	13.2	114
153	The Science of Firescapes: Achieving Fire-Resilient Communities. *BioScience*, **2016**, 66, 130-146	5.7	112
152	Changing permafrost in a warming world and feedbacks to the Earth system. *Environmental Research Letters*, **2016**, 11, 040201	6.2	107

151	Analysis of scale dependencies in an urban land-use-change model. *International Journal of Geographical Information Science*, **2005**, 19, 217-241	4.1	106
150	Measurement and monitoring needs, capabilities and potential for addressing reduced emissions from deforestation and forest degradation under REDD+. *Environmental Research Letters*, **2015**, 10, 123001	6.2	96
149	Urbanization and the loss of resource lands in the chesapeake bay watershed. *Environmental Management*, **2005**, 36, 808-25	3.1	94
148	Observations and assessment of forest carbon dynamics following disturbance in North America. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		93
147	Animals and the zoogeochemistry of the carbon cycle. *Science*, **2018**, 362,	33.3	93
146	Model comparisons for estimating carbon emissions from North American wildland fire. *Journal of Geophysical Research*, **2011**, 116,		90
145	Interannual variability of global terrestrial primary production: Results of a model driven with satellite observations. *Journal of Geophysical Research*, **2000**, 105, 20077-20091		90
144	High-latitude tree growth and satellite vegetation indices: Correlations and trends in Russia and Canada (1982–2008). *Journal of Geophysical Research*, **2011**, 116,		88
143	The influence of burn severity on postfire vegetation recovery and albedo change during early succession in North American boreal forests. *Journal of Geophysical Research*, **2012**, 117,		83
142	Northern high-latitude ecosystems respond to climate change. *Eos*, **2007**, 88, 333-335	1.5	83
141	The footprint of Alaskan tundra fires during the past half-century: implications for surface properties and radiative forcing. *Environmental Research Letters*, **2012**, 7, 044039	6.2	81
140	REMOTE SENSING OF RIPARIAN BUFFERS: PAST PROGRESS AND FUTURE PROSPECTS1. *Journal of the American Water Resources Association*, **2006**, 42, 133-143	2.1	75
139	Climatic suitability for malaria transmission in Africa, 1911-1995. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 15341-5	11.5	74
138	Mapping tree height distributions in Sub-Saharan Africa using Landsat 7 and 8 data. *Remote Sensing of Environment*, **2016**, 185, 221-232	13.2	72
137	Summer warming explains widespread but not uniform greening in the Arctic tundra biome. *Nature Communications*, **2020**, 11, 4621	17.4	70
136	Plant response to climate change along the forest-tundra ecotone in northeastern Siberia. *Global Change Biology*, **2013**, 19, 3449-62	11.4	69
135	Evaluation of Impervious Surface Estimates in a Rapidly Urbanizing Watershed. *Photogrammetric Engineering and Remote Sensing*, **2004**, 70, 1275-1284	1.6	69
134	Carbon stock corridors to mitigate climate change and promote biodiversity in the tropics. *Nature Climate Change*, **2014**, 4, 138-142	21.4	67

133	Delineating the Ecosystems Containing Protected Areas for Monitoring and Management. *BioScience*, **2011**, 61, 363-373	5.7	66
132	. *IEEE Transactions on Geoscience and Remote Sensing*, **2006**, 44, 1818-1828	8.1	66
131	Advances in satellite remote sensing of environmental variables for epidemiological applications. *Advances in Parasitology*, **2000**, 47, 289-307	3.2	65
130	Spatiotemporal remote sensing of ecosystem change and causation across Alaska. *Global Change Biology*, **2019**, 25, 1171-1189	11.4	63
129	Terra and Aqua: new data for epidemiology and public health. *International Journal of Applied Earth Observation and Geoinformation*, **2004**, 6, 33-46	7.3	60
128	Tundra vegetation effects on pan-Arctic albedo. *Environmental Research Letters*, **2011**, 6, 024014	6.2	59
127	Connectivity of core habitat in the Northeastern United States: Parks and protected areas in a landscape context. *Remote Sensing of Environment*, **2009**, 113, 1421-1429	13.2	56
126	Anthropogenic modification of forests means only 40% of remaining forests have high ecosystem integrity. *Nature Communications*, **2020**, 11, 5978	17.4	55
125	Satellite observations of high northern latitude vegetation productivity changes between 1982 and 2008: ecological variability and regional differences. *Environmental Research Letters*, **2011**, 6, 049501	6.2	54
124	Shrub expansion and climate feedbacks in Arctic tundra. *Environmental Research Letters*, **2012**, 7, 011005	6.2	54
123	Remote sensing in BOREAS: Lessons learned. *Remote Sensing of Environment*, **2004**, 89, 139-162	13.2	54
122	Tundra plant above-ground biomass and shrub dominance mapped across the North Slope of Alaska. *Environmental Research Letters*, **2018**, 13, 035002	6.2	52
121	Impacts of disturbance on the terrestrial carbon budget of North America. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 303-316	3.7	52
120	Effects of spatial variability in topography, vegetation cover and soil moisture on area-averaged surface fluxes: A case study using the FIFE 1989 data. *Journal of Geophysical Research*, **1995**, 100, 25607		52
119	Surface temperature retrieval in a temperate grassland with multiresolution sensors. *Journal of Geophysical Research*, **1995**, 100, 25397		51
118	Focus on changing fire regimes: interactions with climate, ecosystems, and society. *Environmental Research Letters*, **2020**, 15, 030201	6.2	49
117	Watersheds at Risk to Increased Impervious Surface Cover in the Conterminous United States. *Journal of Hydrologic Engineering - ASCE*, **2009**, 14, 362-368	1.8	49
116	Implications of increased deciduous cover on stand structure and aboveground carbon pools of Alaskan boreal forests. *Ecosphere*, **2012**, 3, art45	3.1	49

115	Observed and predicted responses of plant growth to climate across Canada. *Geophysical Research Letters*, **2005**, 32,	4.9	49
114	Comparison and sensitivity analysis of instruments and radiometric methods for LAI estimation: assessments from a boreal forest site. *Agricultural and Forest Meteorology*, **2004**, 122, 157-174	5.8	49
113	Comparison of methods for measuring and assessing carbon stocks and carbon stock changes in terrestrial carbon pools. How do the accuracy and precision of current methods compare? A systematic review protocol. *Environmental Evidence*, **2012**, 1, 6	3.3	48
112	Variability in carbon exchange and light utilization among boreal forest stands: implications for remote sensing of net primary production. *Canadian Journal of Forest Research*, **1998**, 28, 375-389	1.9	48
111	Mapping migratory bird prevalence using remote sensing data fusion. *PLoS ONE*, **2012**, 7, e28922	3.7	47
110	Land use and west nile virus seroprevalence in wild mammals. *Emerging Infectious Diseases*, **2008**, 14, 962-5	10.2	47
109	Carbon Accumulation Patterns During Post-Fire Succession in Cajander Larch (Larix cajanderi) Forests of Siberia. *Ecosystems*, **2012**, 15, 1065-1082	3.9	46
108	Application of remote sensing to parks and protected area monitoring: Introduction to the special issue. *Remote Sensing of Environment*, **2009**, 113, 1343-1345	13.2	46
107	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. *Environmental Research Letters*, **2011**, 6, 045503	6.2	46
106	National-scale estimation of gross forest aboveground carbon loss: a case study of the Democratic Republic of the Congo. *Environmental Research Letters*, **2013**, 8, 044039	6.2	45
105	Greater shrub dominance alters breeding habitat and food resources for migratory songbirds in Alaskan arctic tundra. *Global Change Biology*, **2015**, 21, 1508-20	11.4	44
104	Ecosystem responses to climate change at a Low Arctic and a High Arctic long-term research site. *Ambio*, **2017**, 46, 160-173	6.5	43
103	Detecting early warning signals of tree mortality in boreal North America using multiscale satellite data. *Global Change Biology*, **2018**, 24, 2284-2304	11.4	43
102	Satellite-based primary forest degradation assessment in the Democratic Republic of the Congo, 20002010. *Environmental Research Letters*, **2013**, 8, 024034	6.2	42
101	Variability in carbon e□hange and light utilization among boreal forest stands: implications for remote sensing of net primary production. *Canadian Journal of Forest Research*, **1998**, 28, 375-389	1.9	42
100	Characterizing global forest canopy cover distribution using spaceborne lidar. *Remote Sensing of Environment*, **2019**, 231, 111262	13.2	41
99	Biomass allometry for alder, dwarf birch, and willow in boreal forest and tundra ecosystems of far northeastern Siberia and north-central Alaska. *Forest Ecology and Management*, **2015**, 337, 110-118	3.9	40
98	Cajander larch (<i>Larix cajanderi</i>) biomass distribution, fire regime and post-fire recovery in northeastern Siberia. *Biogeosciences*, **2012**, 9, 3943-3959	4.6	40

97	Shrub Cover on the North Slope of Alaska: a circa 2000 Baseline Map. *Arctic, Antarctic, and Alpine Research*, **2011**, 43, 355-363	1.8	40
96	STREAM HEALTH RANKINGS PREDICTED BY SATELLITE DERIVED LAND COVER METRICS1. *Journal of the American Water Resources Association*, **2005**, 41, 659-677	2.1	40
95	Monitoring primary production from Earth observing satellites. *Water, Air, and Soil Pollution*, **1995**, 82, 509-522	2.6	40
94	Vulnerability of eastern US tree species to climate change. *Global Change Biology*, **2017**, 23, 3302-3320	11.4	39
93	Missing pieces to modeling the Arctic-Boreal puzzle. *Environmental Research Letters*, **2018**, 13, 020202	6.2	39
92	Citizen-science data provides new insight into annual and seasonal variation in migration patterns. *Ecosphere*, **2015**, 6, art15	3.1	38
91	Photosynthesis and stomatal conductance related to reflectance on the canopy scale. *Remote Sensing of Environment*, **1993**, 44, 103-116	13.2	38
90	Change in Terrestrial Human Footprint Drives Continued Loss of Intact Ecosystems. *One Earth*, **2020**, 3, 371-382	8.1	38
89	Pan-tropical hinterland forests: mapping minimally disturbed forests. *Global Ecology and Biogeography*, **2016**, 25, 151-163	6.1	38
88	Scaling an Instantaneous Model of Tundra NEE to the Arctic Landscape. *Ecosystems*, **2011**, 14, 76-93	3.9	37
87	Road expansion and persistence in forests of the Congo Basin. *Nature Sustainability*, **2019**, 2, 628-634	22.1	36
86	A large-scale coherent signal of canopy status in maximum latewood density of tree rings at arctic treeline in North America. *Global and Planetary Change*, **2013**, 100, 109-118	4.2	36
85	Fifty Years of Earth Observation Satellites: Views from above have lead to countless advances on the ground in both scientific knowledge and daily life. *American Scientist*, **2008**, 96, 390-398	2.7	36
84	Linking the diversity and abundance of stream biota to landscapes in the mid-Atlantic USA. *Remote Sensing of Environment*, **2008**, 112, 4075-4085	13.2	35
83	Cross-scale controls on carbon emissions from boreal forest megafires. *Global Change Biology*, **2018** , 24, 4251-4265	11.4	34
82	Synergistic use of spaceborne lidar and optical imagery for assessing forest disturbance: An Alaska case study. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		34
81	Monitoring freshwater, estuarine and near-shore benthic ecosystems with multi-sensor remote sensing: An introduction to the special issue. *Remote Sensing of Environment*, **2008**, 112, 3993-3995	13.2	34
80	Assessing development pressure in the Chesapeake Bay watershed: an evaluation of two land-use change models. *Environmental Monitoring and Assessment*, **2004**, 94, 129-46	3.1	34

79	The relative importance of climate and vegetation properties on patterns of North American breeding bird species richness. *Environmental Research Letters*, **2014**, 9, 034013	6.2	33
78	Effects of orbital drift on land surface temperature measured by AVHRR thermal sensors. *Remote Sensing of Environment*, **2002**, 79, 147-165	13.2	33
77	A new land cover map of central Africa derived from multi-resolution, multi-temporal AVHRR data. *International Journal of Remote Sensing*, **1998**, 19, 3537-3550	3.1	33
76	Mapping net primary production and related biophysical variables with remote sensing: Application to the BOREAS region. *Journal of Geophysical Research*, **1999**, 104, 27719-27734		33
75	Spatial variation in vegetation productivity trends, fire disturbance, and soil carbon across arctic-boreal permafrost ecosystems. *Environmental Research Letters*, **2016**, 11, 095008	6.2	31
74	Effects of projected future urban land cover on nitrogen and phosphorus runoff to Chesapeake Bay. *Ecological Engineering*, **2009**, 35, 1758-1772	3.9	31
73	Mapping residential density patterns using multi-temporal Landsat data and a decision-tree classifier. *International Journal of Remote Sensing*, **2004**, 25, 1077-1094	3.1	31
72	New Satellites Help Quantify Carbon Sources and Sinks. *Eos*, **2008**, 89, 417-418	1.5	30
71	The influence of vegetation height heterogeneity on forest and woodland bird species richness across the United States. *PLoS ONE*, **2014**, 9, e103236	3.7	29
70	Post-fire changes in net shortwave radiation along a latitudinal gradient in boreal North America. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	29
69	Integrated Analysis of Ecosystem Interactions with Land Use Change: The Chesapeake Bay Watershed. *Geophysical Monograph Series*, **2004**, 263-275	1.1	29
68	Focus on the role of forests and soils in meeting climate change mitigation goals: summary. *Environmental Research Letters*, **2020**, 15, 045009	6.2	28
67	Projected Tree Species Redistribution Under Climate Change: Implications for Ecosystem Vulnerability Across Protected Areas in the Eastern United States. *Ecosystems*, **2015**, 18, 202-220	3.9	27
66	Surface reflectance retrieval from satellite and aircraft sensors: Results of sensor and algorithm comparisons during FIFE. *Journal of Geophysical Research*, **1992**, 97, 18785		26
65	Fuel availability not fire weather controls boreal wildfire severity and carbon emissions. *Nature Climate Change*, **2020**, 10, 1130-1136	21.4	26
64	An overview of ABoVE airborne campaign data acquisitions and science opportunities. *Environmental Research Letters*, **2019**, 14, 080201	6.2	25
63	Arctic tundra shrubification: a review of mechanisms and impacts on ecosystem carbon balance. *Environmental Research Letters*, **2021**, 16, 053001	6.2	25
62	Regional-scale application of lidar: Variation in forest canopy structure across the southeastern US. *Forest Ecology and Management*, **2014**, 329, 214-226	3.9	24

61	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. *Global Ecology and Biogeography*, **2019**, 28, 78-95	6.1	24
60	UAV-derived estimates of forest structure to inform ponderosa pine forest restoration. *Remote Sensing in Ecology and Conservation*, **2020**, 6, 181-197	5.3	23
59	Updating Historical Maps of Malaria Transmission Intensity in East Africa Using Remote Sensing. *Photogrammetric Engineering and Remote Sensing*, **2002**, 68, 161-166	1.6	23
58	The role of science in Reducing Emissions from Deforestation and Forest Degradation (REDD). *Carbon Management*, **2010**, 1, 253-259	3.3	22
57	A policy-driven framework for conserving the best of Earth's remaining moist tropical forests. *Nature Ecology and Evolution*, **2020**, 4, 1377-1384	12.3	21
56	Importance of tree- and species-level interactions with wildfire, climate, and soils in interior Alaska: Implications for forest change under a warming climate. *Ecological Modelling*, **2019**, 409, 108765	3	20
55	The Arctic. *Bulletin of the American Meteorological Society*, **2020**, 101, S239-S286	6.1	20
54	Global plant trait relationships extend to the climatic extremes of the tundra biome. *Nature Communications*, **2020**, 11, 1351	17.4	19
53	A field test of attractant traps for invasive Burmese pythons (Python molurus bivittatus) in southern Florida. *Wildlife Research*, **2011**, 38, 114	1.8	19
52	Definition and measurement of tree cover: A comparative analysis of field-, lidar- and landsat-based tree cover estimations in the Sierra national forests, USA. *Agricultural and Forest Meteorology*, **2019** , 268, 258-268	5.8	17
51	Anticipating social equity impacts in REDD+ policy design: An example from the Democratic Republic of Congo. *Land Use Policy*, **2018**, 75, 102-115	5.6	15
50	Siberian tundra ecosystem vegetation and carbon stocks four decades after wildfire. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 2144-2154	3.7	15
49	Assessment and extension of the MODIS FPAR products in temperate forests of the eastern United States. *International Journal of Remote Sensing*, **2009**, 30, 169-187	3.1	14
48	A three-fund approach to incorporating government, public and private forest stewards into a REDD funding mechanism. *International Forestry Review*, **2008**, 10, 458-464	0.9	14
47	Global humid tropics forest structural condition and forest structural integrity maps. *Scientific Data* , **2019**, 6, 232	8.2	14
46	Impacts of climate and insect herbivory on productivity and physiology of trembling aspen (Populus tremuloides) in Alaskan boreal forests. *Environmental Research Letters*, **2019**, 14, 085010	6.2	13
45	Lichen cover mapping for caribou ranges in interior Alaska and Yukon. *Environmental Research Letters*, **2020**, 15, 055001	6.2	13
44	Incorporating canopy structure from simulated GEDI lidar into bird species distribution models. *Environmental Research Letters*, **2020**, 15, 095002	6.2	13

43	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. *Environmental Research Letters*, **2011**, 6, 049502	6.2	11
42	Passive microwave (SSM/I) satellite predictions of valley glacier hydrology, Matanuska Glacier, Alaska. *Geophysical Research Letters*, **2008**, 35,	4.9	11
41	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. *Remote Sensing of Environment*, **2022**, 270, 112845	13.2	11
40	Integrating LiDAR, Multispectral and SAR Data to Estimate and Map Canopy Height in Tropical Forests. *Remote Sensing*, **2019**, 11, 2697	5	11
39	Scoping Completed for an Experiment to Assess Vulnerability of Arctic and Boreal Ecosystems. *Eos*, **2011**, 92, 150-151	1.5	10
38	Recent Changes in Arctic Vegetation: Satellite Observations and Simulation Model Predictions **2010**, 9-36		10
37	Climate change decreases the cooling effect from postfire albedo in boreal North America. *Global Change Biology*, **2020**, 26, 1592-1607	11.4	10
36	Using Widely Available Geospatial Data Sets to Assess the Influence of Roads and Buffers on Habitat Core Areas and Connectivity. *Natural Areas Journal*, **2008**, 28, 261-274	0.8	9
35	Satellite maps show Chesapeake Bay urban development. *Eos*, **2006**, 87, 149	1.5	9
34	Interannual Atmosphere-Biosphere Variation: Implications for observation and modeling. *Journal of Geophysical Research*, **2000**, 105, 20055-20063		9
33	Toward monitoring forest ecosystem integrity within the post-2020 Global Biodiversity Framework. *Conservation Letters*, **2021**, 14, e12822	6.9	8
32	Soil respiration strongly offsets carbon uptake in Alaska and Northwest Canada. *Environmental Research Letters*, **2021**, 16, 084051	6.2	8
31	Human and natural controls of the variation in aboveground tree biomass in African dry tropical forests **2017**, 27, 1578-1593		7
30	Baseline data on forest loss and associated uncertainty: advances in national forest monitoring. *Environmental Research Letters*, **2015**, 10, 021001	6.2	7
29	A narrow window of summer temperatures associated with shrub growth in Arctic Alaska. *Environmental Research Letters*, **2020**, 15, 105012	6.2	7
28	Cajander larch (<i>Larix cajanderi</i>) biomass distribution, fire regime and post-fire recovery in northeastern Siberia		5
27	Winter conditions influence biological responses of migrating hummingbirds. *Ecosphere*, **2016**, 7, e01470	3.1	4
26	Reply to Comment on 'A first map of tropical Africa's above-ground biomass derived from satellite imagery'. *Environmental Research Letters*, **2011**, 6, 049002	6.2	4

25	Comparison of surface meteorological variables from TOVS and AVHRR. *Remote Sensing of Environment*, **2002**, 79, 176-188	13.2	4
24	Potential Impacts of Climate and Land Use Change on Ecosystem Processes in the Great Northern and Appalachian Landscape Conservation Cooperatives **2016**, 119-150		4
23	UAV-Based Estimate of Snow Cover Dynamics: Optimizing Semi-Arid Forest Structure for Snow Persistence. *Remote Sensing*, **2021**, 13, 1036	5	4
22	Mapping tree diversity in the tropical forest region of Choc□Colombia. *Environmental Research Letters*, **2021**, 16, 054024	6.2	4
21	Remote Sensing for Inventory and Monitoring of U.S. National Parks. *Taylor & Francis Series in Remote Sensing Applications*, **2011**, 29-56		3
20	Measurement and Monitoring for REDD+: The Needs, Current Technological Capabilities, and Future Potential. *SSRN Electronic Journal*,	1	3
19	Can Smart Growth Save the Chesapeake Bay?. *Journal of Green Building*, **2007**, 2, 41-51	1.3	3
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