S J Goetz

List of Publications by Year in Descending Order

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	Bottom-up drivers of future fire regimes in western boreal North America. *Environmental Research Letters*, **2022**, 17, 025006	6.2	0
203	Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. *Remote Sensing of Environment*, **2022**, 270, 112845	13.2	11
202	Soundscape classification with convolutional neural networks reveals temporal and geographic patterns in ecoacoustic data. *Ecological Indicators*, **2022**, 138, 108831	5.8	0
201	Time-series maps reveal widespread change in plant functional type cover across Arctic and boreal Alaska and Yukon. *Environmental Research Letters*, **2022**, 17, 054042	6.2	1
200	UAV-Based Estimate of Snow Cover Dynamics: Optimizing Semi-Arid Forest Structure for Snow Persistence. *Remote Sensing*, **2021**, 13, 1036	5	4
199	Tussocks Enduring or Shrubs Greening: Alternate Responses to Changing Fire Regimes in the Noatak River Valley, Alaska. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG006009	3.7	2
198	Arctic tundra shrubification: a review of mechanisms and impacts on ecosystem carbon balance. *Environmental Research Letters*, **2021**, 16, 053001	6.2	25
197	Mapping tree diversity in the tropical forest region of Chocó Colombia. *Environmental Research Letters*, **2021**, 16, 054024	6.2	4
196	Historic declines in growth portend trembling aspen death during a contemporary leaf miner outbreak in Alaska. *Ecosphere*, **2021**, 12, e03569	3.1	1
195	Toward monitoring forest ecosystem integrity within the post-2020 Global Biodiversity Framework. *Conservation Letters*, **2021**, 14, e12822	6.9	8
194	Soil respiration strongly offsets carbon uptake in Alaska and Northwest Canada. *Environmental Research Letters*, **2021**, 16, 084051	6.2	8
193	Climate mediates the relationship between plant biodiversity and forest structure across the United States. *Global Ecology and Biogeography*, **2021**, 30, 2245	6.1	3
192	Anthropogenic modification of forests means only 40% of remaining forests have high ecosystem integrity. *Nature Communications*, **2020**, 11, 5978	17.4	55
191	Climate-driven risks to the climate mitigation potential of forests. *Science*, **2020**, 368,	33.3	131
190	Global plant trait relationships extend to the climatic extremes of the tundra biome. *Nature Communications*, **2020**, 11, 1351	17.4	19
189	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
188	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

187	Focus on the role of forests and soils in meeting climate change mitigation goals: summary. *Environmental Research Letters*, **2020**, 15, 045009	6.2	28
186	Focus on changing fire regimes: interactions with climate, ecosystems, and society. *Environmental Research Letters*, **2020**, 15, 030201	6.2	49
185	Lichen cover mapping for caribou ranges in interior Alaska and Yukon. *Environmental Research Letters*, **2020**, 15, 055001	6.2	13
184	The Arctic. *Bulletin of the American Meteorological Society*, **2020**, 101, S239-S286	6.1	20
183	Complexity revealed in the greening of the Arctic. *Nature Climate Change*, **2020**, 10, 106-117	21.4	211
182	A narrow window of summer temperatures associated with shrub growth in Arctic Alaska. *Environmental Research Letters*, **2020**, 15, 105012	6.2	7
181	Climate change decreases the cooling effect from postfire albedo in boreal North America. *Global Change Biology*, **2020**, 26, 1592-1607	11.4	10
180	Fuel availability not fire weather controls boreal wildfire severity and carbon emissions. *Nature Climate Change*, **2020**, 10, 1130-1136	21.4	26
179	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
178	Summer warming explains widespread but not uniform greening in the Arctic tundra biome. *Nature Communications*, **2020**, 11, 4621	17.4	70
177	Change in Terrestrial Human Footprint Drives Continued Loss of Intact Ecosystems. *One Earth*, **2020**, 3, 371-382	8.1	38
176	Incorporating canopy structure from simulated GEDI lidar into bird species distribution models. *Environmental Research Letters*, **2020**, 15, 095002	6.2	13
175	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
174	Increasing wildfires threaten historic carbon sink of boreal forest soils. *Nature*, **2019**, 572, 520-523	50.4	152
173	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
172	Characterizing global forest canopy cover distribution using spaceborne lidar. *Remote Sensing of Environment*, **2019**, 231, 111262	13.2	41
171	Road expansion and persistence in forests of the Congo Basin. *Nature Sustainability*, **2019**, 2, 628-634	22.1	36
170	Spatiotemporal remote sensing of ecosystem change and causation across Alaska. *Global Change Biology*, **2019**, 25, 1171-1189	11.4	63

169	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
168	An overview of ABoVE airborne campaign data acquisitions and science opportunities. *Environmental Research Letters*, **2019**, 14, 080201	6.2	25
167	Global restoration opportunities in tropical rainforest landscapes. *Science Advances*, **2019**, 5, eaav3223	14.3	172
166	Integrating LiDAR, Multispectral and SAR Data to Estimate and Map Canopy Height in Tropical Forests. *Remote Sensing*, **2019**, 11, 2697	5	11
165	Global humid tropics forest structural condition and forest structural integrity maps. *Scientific Data* , **2019**, 6, 232	8.2	14
164	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
163	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
162	Tundra plant above-ground biomass and shrub dominance mapped across the North Slope of Alaska. *Environmental Research Letters*, **2018**, 13, 035002	6.2	52
161	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
160	Missing pieces to modeling the Arctic-Boreal puzzle. *Environmental Research Letters*, **2018**, 13, 020202	6.2	39
159	Cross-scale controls on carbon emissions from boreal forest megafires. *Global Change Biology*, **2018** , 24, 4251-4265	11.4	34
158	Animals and the zoogeochemistry of the carbon cycle. *Science*, **2018**, 362,	33.3	93
157	Plant functional trait change across a warming tundra biome. *Nature*, **2018**, 562, 57-62	50.4	264
156	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
155	Human and natural controls of the variation in aboveground tree biomass in African dry tropical forests **2017**, 27, 1578-1593		7
154	Vulnerability of eastern US tree species to climate change. *Global Change Biology*, **2017**, 23, 3302-3320	11.4	39
153	Winter conditions influence biological responses of migrating hummingbirds. *Ecosphere*, **2016**, 7, e01470	3.1	4
152	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

151	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
150	Vulnerability of Tree Species to Climate Change in the Appalachian Landscape Conservation Cooperative **2016**, 212-233		2
149	Historical and Projected Climates as a Basis for Climate Change Exposure and Adaptation Potential across the Appalachian Landscape Conservation Cooperative **2016**, 78-94		2
148	Potential Impacts of Climate and Land Use Change on Ecosystem Processes in the Great Northern and Appalachian Landscape Conservation Cooperatives **2016**, 119-150		4
147	Potential Impacts of Climate Change on Vegetation for National Parks in the Eastern United States **2016**, 151-173		2
146	Changing permafrost in a warming world and feedbacks to the Earth system. *Environmental Research Letters*, **2016**, 11, 040201	6.2	107
145	The Science of Firescapes: Achieving Fire-Resilient Communities. *BioScience*, **2016**, 66, 130-146	5.7	112
144	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
143	Pan-tropical hinterland forests: mapping minimally disturbed forests. *Global Ecology and Biogeography*, **2016**, 25, 151-163	6.1	38
142	Aboveground carbon loss in natural and managed tropical forests from 2000 to 2012. *Environmental Research Letters*, **2015**, 10, 074002	6.2	114
141	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
140	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
139	Ten ways remote sensing can contribute to conservation. *Conservation Biology*, **2015**, 29, 350-9	6	139
138	Citizen-science data provides new insight into annual and seasonal variation in migration patterns. *Ecosphere*, **2015**, 6, art15	3.1	38
137	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
136	Baseline data on forest loss and associated uncertainty: advances in national forest monitoring. *Environmental Research Letters*, **2015**, 10, 021001	6.2	7
135	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
134	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

133	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
132	Vegetation productivity patterns at high northern latitudes: a multi-sensor satellite data assessment. *Global Change Biology*, **2014**, 20, 3147-58	11.4	190
131	Vegetation controls on northern high latitude snow-albedo feedback: observations and CMIP5 model simulations. *Global Change Biology*, **2014**, 20, 594-606	11.4	119
130	Carbon stock corridors to mitigate climate change and promote biodiversity in the tropics. *Nature Climate Change*, **2014**, 4, 138-142	21.4	67
129	Reply to 'Priorities for conservation corridors'. *Nature Climate Change*, **2014**, 4, 406-406	21.4	
128	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
127	Siberian tundra ecosystem vegetation and carbon stocks four decades after wildfire. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 2144-2154	3.7	15
126	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
125	Geospatial Tools for Urban Water Resources **2013**,		2
124	Shifts in Arctic vegetation and associated feedbacks under climate change. *Nature Climate Change*, **2013**, 3, 673-677	21.4	463
123	High-resolution global maps of 21st-century forest cover change. *Science*, **2013**, 342, 850-3	33.3	5670
122	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
121	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
120	Temperature and vegetation seasonality diminishment over northern lands. *Nature Climate Change*, **2013**, 3, 581-586	21.4	381
119	A meta-analysis of terrestrial aboveground biomass estimation using lidar remote sensing. *Remote Sensing of Environment*, **2013**, 128, 289-298	13.2	339
118	Plant response to climate change along the forest-tundra ecotone in northeastern Siberia. *Global Change Biology*, **2013**, 19, 3449-62	11.4	69
117	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
116	Satellite-based primary forest degradation assessment in the Democratic Republic of the Congo, 2000–2010. *Environmental Research Letters*, **2013**, 8, 024034	6.2	42

115	Impacts of disturbance on the terrestrial carbon budget of North America. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 303-316	3.7	52
114	On the Relationship Between Stream Biotic Diversity and Exurbanization in the Northeastern USA **2013**, 61-78		0
113	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
112	Estimated carbon dioxide emissions from tropical deforestation improved by carbon-density maps. *Nature Climate Change*, **2012**, 2, 182-185	21.4	1072
111	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
110	Observations and assessment of forest carbon dynamics following disturbance in North America. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		93
109	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
108	Carbon Accumulation Patterns During Post-Fire Succession in Cajander Larch (Larix cajanderi) Forests of Siberia. *Ecosystems*, **2012**, 15, 1065-1082	3.9	46
107	Mapping migratory bird prevalence using remote sensing data fusion. *PLoS ONE*, **2012**, 7, e28922	3.7	47
106	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
105	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
104	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
103	Shrub expansion and climate feedbacks in Arctic tundra. *Environmental Research Letters*, **2012**, 7, 011005	6.2	54
102	Implications of increased deciduous cover on stand structure and aboveground carbon pools of Alaskan boreal forests. *Ecosphere*, **2012**, 3, art45	3.1	49
101	Model comparisons for estimating carbon emissions from North American wildland fire. *Journal of Geophysical Research*, **2011**, 116,		90
100	High-latitude tree growth and satellite vegetation indices: Correlations and trends in Russia and Canada (1982–2008). *Journal of Geophysical Research*, **2011**, 116,		88
99	Scoping Completed for an Experiment to Assess Vulnerability of Arctic and Boreal Ecosystems. *Eos*, **2011**, 92, 150-151	1.5	10
98	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

97	Shrub expansion in tundra ecosystems: dynamics, impacts and research priorities. *Environmental Research Letters*, **2011**, 6, 045509	6.2	802
96	A field test of attractant traps for invasive Burmese pythons (Python molurus bivittatus) in southern Florida. *Wildlife Research*, **2011**, 38, 114	1.8	19
95	Changes in forest productivity across Alaska consistent with biome shift. *Ecology Letters*, **2011**, 14, 373-9	10	238
94	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
93	Scaling an Instantaneous Model of Tundra NEE to the Arctic Landscape. *Ecosystems*, **2011**, 14, 76-93	3.9	37
92	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
91	Delineating the Ecosystems Containing Protected Areas for Monitoring and Management. *BioScience*, **2011**, 61, 363-373	5.7	66
90	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
89	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
88	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. *Environmental Research Letters*, **2011**, 6, 045503	6.2	46
87	Tundra vegetation effects on pan-Arctic albedo. *Environmental Research Letters*, **2011**, 6, 024014	6.2	59
86	Varying boreal forest response to Arctic environmental change at the Firth River, Alaska. *Environmental Research Letters*, **2011**, 6, 049502	6.2	11
85	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
84	Remote Sensing for Inventory and Monitoring of U.S. National Parks. *Taylor & Francis Series in Remote Sensing Applications*, **2011**, 29-56		3
83	The role of science in Reducing Emissions from Deforestation and Forest Degradation (REDD). *Carbon Management*, **2010**, 1, 253-259	3.3	22
82	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
81	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
80	Lidar remote sensing variables predict breeding habitat of a Neotropical migrant bird. *Ecology*, **2010**, 91, 1569-76	4.6	137

79	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
78	Recent Changes in Arctic Vegetation: Satellite Observations and Simulation Model Predictions **2010**, 9-36		10
77	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
76	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
75	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
74	Mapping and monitoring carbon stocks with satellite observations: a comparison of methods. *Carbon Balance and Management*, **2009**, 4, 2	3.6	216
73	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
72	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
71	Effects of projected future urban land cover on nitrogen and phosphorus runoff to Chesapeake Bay. *Ecological Engineering*, **2009**, 35, 1758-1772	3.9	31
70	Importance of biomass in the global carbon cycle. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		340
69	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
68	I.11 Remote Sensing and Geographic Information Systems **2009**, 79-86		1
67	New Satellites Help Quantify Carbon Sources and Sinks. *Eos*, **2008**, 89, 417-418	1.5	30
66	Passive microwave (SSM/I) satellite predictions of valley glacier hydrology, Matanuska Glacier, Alaska. *Geophysical Research Letters*, **2008**, 35,	4.9	11
65	A first map of tropical Africa above-ground biomass derived from satellite imagery. *Environmental Research Letters*, **2008**, 3, 045011	6.2	274
64	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
63	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
62	Land use and west nile virus seroprevalence in wild mammals. *Emerging Infectious Diseases*, **2008**, 14, 962-5	10.2	47

61	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
60	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
59	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
58	Northern high-latitude ecosystems respond to climate change. *Eos*, **2007**, 88, 333-335	1.5	83
57	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
56	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
55	Expansion of industrial logging in Central Africa. *Science*, **2007**, 316, 1451	33.3	229
54	Can Smart Growth Save the Chesapeake Bay?. *Journal of Green Building*, **2007**, 2, 41-51	1.3	3
53	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
52	. *IEEE Transactions on Geoscience and Remote Sensing*, **2006**, 44, 1818-1828	8.1	66
51	Global environmental data for mapping infectious disease distribution. *Advances in Parasitology*, **2006**, 62, 37-77	3.2	120
50	Satellite maps show Chesapeake Bay urban development. *Eos*, **2006**, 87, 149	1.5	9
49	REMOTE SENSING OF RIPARIAN BUFFERS: PAST PROGRESS AND FUTURE PROSPECTS1. *Journal of the American Water Resources Association*, **2006**, 42, 133-143	2.1	75
48	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
47	Analysis of scale dependencies in an urban land-use-change model. *International Journal of Geographical Information Science*, **2005**, 19, 217-241	4.1	106
46	Observed and predicted responses of plant growth to climate across Canada. *Geophysical Research Letters*, **2005**, 32,	4.9	49
45	STREAM HEALTH RANKINGS PREDICTED BY SATELLITE DERIVED LAND COVER METRICS1. *Journal of the American Water Resources Association*, **2005**, 41, 659-677	2.1	40
44	Urbanization and the loss of resource lands in the chesapeake bay watershed. *Environmental Management*, **2005**, 36, 808-25	3.1	94

43	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
42	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
41	Remotely Sensed Interannual Variations and Trends in Terrestrial Net Primary Productivity 19812000. *Ecosystems*, **2004**, 7, 233	3.9	139
40	Remote sensing in BOREAS: Lessons learned. *Remote Sensing of Environment*, **2004**, 89, 139-162	13.2	54
39	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
38	Integrated Analysis of Ecosystem Interactions with Land Use Change: The Chesapeake Bay Watershed. *Geophysical Monograph Series*, **2004**, 263-275	1.1	29
37	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
36	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
35	Evaluation of Impervious Surface Estimates in a Rapidly Urbanizing Watershed. *Photogrammetric Engineering and Remote Sensing*, **2004**, 70, 1275-1284	1.6	69
34	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
33	Estimating environmental variables using thermal remote sensing **2004**,		2
32	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
31	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
30	Effects of orbital drift on land surface temperature measured by AVHRR thermal sensors. *Remote Sensing of Environment*, **2002**, 79, 147-165	13.2	33
29	Comparison of surface meteorological variables from TOVS and AVHRR. *Remote Sensing of Environment*, **2002**, 79, 176-188	13.2	4
28	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
27	Interannual Atmosphere-Biosphere Variation: Implications for observation and modeling. *Journal of Geophysical Research*, **2000**, 105, 20055-20063		9
26	Interannual variability of global terrestrial primary production: Results of a model driven with satellite observations. *Journal of Geophysical Research*, **2000**, 105, 20077-20091		90

25	Advances in satellite remote sensing of environmental variables for epidemiological applications. *Advances in Parasitology*, **2000**, 47, 289-307	3.2	65
24	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
23	Satellite remote sensing of primary production: an improved production efficiency modeling approach. *Ecological Modelling*, **1999**, 122, 239-255	3	156
22	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
21	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
20	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
19	Reply [to Comment on Comparison of atmospheric correction models for thermal bands of the advanced very high resolution radiometer over FIFE by S. N. Kalluri and R. O. Dubayah] *Journal of Geophysical Research*, **1998**, 103, 6243-6244		
18	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
17	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	42
16	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
15	Remote sensing of net primary production in boreal forest stands. *Agricultural and Forest Meteorology*, **1996**, 78, 149-179	5.8	129
14	Monitoring primary production from Earth observing satellites. *Water, Air, and Soil Pollution*, **1995**, 82, 509-522	2.6	40
13	Surface temperature retrieval in a temperate grassland with multiresolution sensors. *Journal of Geophysical Research*, **1995**, 100, 25397		51
12	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
11	Monitoring Primary Production from Earth Observing Satellites **1995**, 509-522		2
10	Photosynthesis and stomatal conductance related to reflectance on the canopy scale. *Remote Sensing of Environment*, **1993**, 44, 103-116	13.2	38
9	Surface reflectance retrieval from satellite and aircraft sensors: Results of sensor and algorithm comparisons during FIFE. *Journal of Geophysical Research*, **1992**, 97, 18785		26
8	Satellite remote sensing of surface energy balance: Success, failures, and unresolved issues in FIFE. *Journal of Geophysical Research*, **1992**, 97, 19061		313

7	Radiometric rectification: Toward a common radiometric response among multidate, multisensor images. *Remote Sensing of Environment*, **1991**, 35, 11-27	13.2	415
6	Large-Scale Patterns of Forest Succession as Determined by Remote Sensing. *Ecology*, **1991**, 72, 628-640	4.6	193
5	Modeling vegetation pattern using digital terrain data. *Landscape Ecology*, **1990**, 4, 69-80	4.3	125
4	Remote Sensing for Mapping and Modeling of Land-Based Carbon Flux and Storage95-143		1
3	Measurement and Monitoring for REDD+: The Needs, Current Technological Capabilities, and Future Potential. *SSRN Electronic Journal*,	1	3
2	Cajander larch (<i>Larix cajanderi</i>) biomass distribution, fire regime and post-fire recovery in northeastern Siberia		5
1	Modification of forests by people means only 40% of remaining forests have high ecosystem integrity		3