Greg Asner

List of Publications by Year
in descending order

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Version: 2024-02-01

576	68,442	764	942
papers	citations	119 h-index	239 g-index

603	603	603	52423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Consequences of Land Use. Science, 2005, 309, 570-574.	6.0	9,451
2	Nitrogen Cycles: Past, Present, and Future. Biogeochemistry, 2004, 70, 153-226.	1.7	4,203
3	The velocity of climate change. Nature, 2009, 462, 1052-1055.	13.7	1,930
4	PROSPECT+SAIL models: A review of use for vegetation characterization. Remote Sensing of Environment, 2009, 113, S56-S66.	4.6	1,178
5	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
6	Biophysical and Biochemical Sources of Variability in Canopy Reflectance. Remote Sensing of Environment, 1998, 64, 234-253.	4.6	948
7	Climate and Management Contributions to Recent Trends in U.S. Agricultural Yields. Science, 2003, 299, 1032-1032.	6.0	893
8	GRAZING SYSTEMS, ECOSYSTEM RESPONSES, AND GLOBAL CHANGE. Annual Review of Environment and Resources, 2004, 29, 261-299.	5.6	886
9	Selective Logging in the Brazilian Amazon. Science, 2005, 310, 480-482.	6.0	844
10	PROSPECT-4 and 5: Advances in the leaf optical properties model separating photosynthetic pigments. Remote Sensing of Environment, 2008, 112, 3030-3043.	4.6	773
11	Global synthesis of leaf area index observations: implications for ecological and remote sensing studies. Global Ecology and Biogeography, 2003, 12, 191-205.	2.7	690
12	Land-use choices: balancing human needs and ecosystem function. Frontiers in Ecology and the Environment, 2004, 2, 249-257.	1.9	674
13	Dissolved Organic Carbon in Terrestrial Ecosystems: Synthesis and a Model. Ecosystems, 2001, 4, 29-48.	1.6	597
14	Retrieval of foliar information about plant pigment systems from high resolution spectroscopy. Remote Sensing of Environment, 2009, 113, S67-S77.	4.6	576
15	High-resolution forest carbon stocks and emissions in the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16738-16742.	3.3	568
16	Endmember variability in Spectral Mixture Analysis: A review. Remote Sensing of Environment, 2011, 115, 1603-1616.	4.6	536
17	Characterizing canopy biochemistry from imaging spectroscopy and its application to ecosystem studies. Remote Sensing of Environment, 2009, 113, S78-S91.	4.6	478
18	A Global Deal For Nature: Guiding principles, milestones, and targets. Science Advances, 2019, 5, eaaw2869.	4.7	477

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19	An integrated panâ€tropical biomass map using multiple reference datasets. Global Change Biology, 2016, 22, 1406-1420.	4.2	469
20	Moisture Effects on Soil Reflectance. Soil Science Society of America Journal, 2002, 66, 722-727.	1.2	452
21	Changing Drivers of Deforestation and New Opportunities for Conservation. Conservation Biology, 2009, 23, 1396-1405.	2.4	446
22	Using Imaging Spectroscopy to Study Ecosystem Processes and Properties. BioScience, 2004, 54, 523.	2.2	441
23	Amazonia revealed: forest degradation and loss of ecosystem goods and services in the Amazon Basin. Frontiers in Ecology and the Environment, 2007, 5, 25-32.	1.9	439
24	Forest fragmentation and edge effects from deforestation and selective logging in the Brazilian Amazon. Biological Conservation, 2008, 141, 1745-1757.	1.9	408
25	A Contemporary Assessment of Change in Humid Tropical Forests. Conservation Biology, 2009, 23, 1386-1395.	2.4	401
26	Cloud cover in Landsat observations of the Brazilian Amazon. International Journal of Remote Sensing, 2001, 22, 3855-3862.	1.3	382
27	CONTROLS OVER FOLIAR N:P RATIOS IN TROPICAL RAIN FORESTS. Ecology, 2007, 88, 107-118.	1.5	375
28	Spectral and chemical analysis of tropical forests: Scaling from leaf to canopy levels. Remote Sensing of Environment, 2008, 112, 3958-3970.	4.6	361
29	Committed carbon emissions, deforestation, and community land conversion from oil palm plantation expansion in West Kalimantan, Indonesia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7559-7564.	3.3	351
30	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist, 2015, 206, 614-636.	3.5	350
31	Carbon emissions from forest conversion by Kalimantan oil palm plantations. Nature Climate Change, 2013, 3, 283-287.	8.1	346
32	Spectral unmixing of vegetation, soil and dry carbon cover in arid regions: Comparing multispectral and hyperspectral observations. International Journal of Remote Sensing, 2002, 23, 3939-3958.	1.3	345
33	Observing terrestrial ecosystems and the carbon cycle from space. Global Change Biology, 2015, 21, 1762-1776.	4.2	339
34	A Biogeophysical Approach for Automated SWIR Unmixing of Soils and Vegetation. Remote Sensing of Environment, 2000, 74, 99-112.	4.6	324
35	Endmember bundles: a new approach to incorporating endmember variability into spectral mixture analysis. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1083-1094.	2.7	321
36	Airborne spectranomics: mapping canopy chemical and taxonomic diversity in tropical forests. Frontiers in Ecology and the Environment, 2009, 7, 269-276.	1.9	321

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37	A universal airborne LiDAR approach for tropical forest carbon mapping. Oecologia, 2012, 168, 1147-1160.	0.9	317
38	Remote sensing of regional crop production in the Yaqui Valley, Mexico: estimates and uncertainties. Agriculture, Ecosystems and Environment, 2003, 94, 205-220.	2.5	301
39	Regional ecosystem structure and function: ecological insights from remote sensing of tropical forests. Trends in Ecology and Evolution, 2007, 22, 414-423.	4.2	295
40	Progressive forest canopy water loss during the 2012â€“2015 California drought. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E249-55.	3.3	290
41	Condition and fate of logged forests in the Brazilian Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12947-12950.	3.3	286
42	Carnegie Airborne Observatory-2: Increasing science data dimensionality via high-fidelity multi-sensor fusion. Remote Sensing of Environment, 2012, 124, 454-465.	4.6	283
43	Land-Use Allocation Protects the Peruvian Amazon. Science, 2007, 317, 1233-1236.	6.0	279
44	Net changes in regional woody vegetation cover and carbon storage in Texas Drylands, 1937-1999. Global Change Biology, 2003, 9, 316-335.	4.2	278
45	Optimizing spectral indices and chemometric analysis of leaf chemical properties using radiative transfer modeling. Remote Sensing of Environment, 2011, 115, 2742-2750.	4.6	274
46	Quantifying forest canopy traits: Imaging spectroscopy versus field survey. Remote Sensing of Environment, 2015, 158, 15-27.	4.6	274
47	Cropland distributions from temporal unmixing of MODIS data. Remote Sensing of Environment, 2004, 93, 412-422.	4.6	272
48	Combining paleo-data and modern exclosure experiments to assess the impact of megafauna extinctions on woody vegetation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 847-855.	3.3	270
49	The biogeochemical heterogeneity of tropical forests. Trends in Ecology and Evolution, 2008, 23, 424-431.	4.2	266
50	Projections of future meteorological drought and wet periods in the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13172-13177.	3.3	265
51	Carnegie Airborne Observatory: in-flight fusion of hyperspectral imaging and waveform light detection and ranging for three-dimensional studies of ecosystems. Journal of Applied Remote Sensing, 2007, 1, 013536.	0.6	264
52	From The Cover: Drought stress and carbon uptake in an Amazon forest measured with spaceborne imaging spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6039-6044.	3.3	253
53	Mapping tropical forest carbon: Calibrating plot estimates to a simple LiDAR metric. Remote Sensing of Environment, 2014, 140, 614-624.	4.6	250
54	Advances in animal ecology from 3D-LiDAR ecosystem mapping. Trends in Ecology and Evolution, 2014, 29, 681-691.	4.2	250

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55	Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions. Remote Sensing in Ecology and Conservation, 2016, 2, 122-131.	2.2	243
56	Invasive plants transform the three-dimensional structure of rain forests. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4519-4523.	3.3	236
57	Large-scale impacts of herbivores on the structural diversity of African savannas. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4947-4952.	3.3	234
58	Elevated rates of gold mining in the Amazon revealed through high-resolution monitoring. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18454-18459.	3.3	231
59	Classification of savanna tree species, in the Greater Kruger National Park region, by integrating hyperspectral and LiDAR data in a Random Forest data mining environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 69, 167-179.	4.9	230
60	Beyond 3-D: The new spectrum of lidar applications for earth and ecological sciences. Remote Sensing of Environment, 2016, 186, 372-392.	4.6	229
61	Analysis of wheat yield and climatic trends in Mexico. Field Crops Research, 2005, 94, 250-256.	2.3	228
62	Remote analysis of biological invasion and biogeochemical change. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4383-4386.	3.3	227
63	Automated mapping of tropical deforestation and forest degradation: CLASlite. Journal of Applied Remote Sensing, 2009, 3, 033543.	0.6	226
64	Measuring Fractional Cover and Leaf Area Index in Arid Ecosystems. Remote Sensing of Environment, 2000, 74, 45-57.	4.6	224
65	Applications of Remote Sensing to Alien Invasive Plant Studies. Sensors, 2009, 9, 4869-4889.	2.1	224
66	Monitoring plant functional diversity from space. Nature Plants, 2016, 2, 16024.	4.7	221
67	Remote sensing of native and invasive species in Hawaiian forests. Remote Sensing of Environment, 2008, 112, 1912-1926.	4.6	209
68	Titling indigenous communities protects forests in the Peruvian Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4123-4128.	3.3	209
69	Direct impacts on local climate of sugar-cane expansion in Brazil. Nature Climate Change, 2011, 1, 105-109.	8.1	208
70	Drought impacts on the Amazon forest: the remote sensing perspective. New Phytologist, 2010, 187, 569-578.	3.5	205
71	New Directions in Earth Observing: Scientific Applications ofMultiangle Remote Sensing. Bulletin of the American Meteorological Society, 1999, 80, 2209-2228.	1.7	204
72	Satellite estimates of productivity and light use efficiency in United States agriculture, 1982-98. Global Change Biology, 2002, 8, 722-735.	4.2	203

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73	MULTIâ€TROPHIC INVASION RESISTANCE IN HAWAII: BIOACOUSTICS, FIELD SURVEYS, AND AIRBORNE REMOTE SENSING. Ecological Applications, 2007, 17, 2137-2144.	1.8	198
74	Spectroscopy of canopy chemicals in humid tropical forests. Remote Sensing of Environment, 2011, 115, 3587-3598.	4.6	197
75	Landscape fragmentation, severe drought, and the new Amazon forest fire regime. Ecological Applications, 2015, 25, 1493-1505.	1.8	196
76	Airborne laser-guided imaging spectroscopy to map forest trait diversity and guide conservation. Science, 2017, 355, 385-389.	6.0	196
77	Comparison of gully erosion estimates using airborne and ground-based LiDAR on Santa Cruz Island, California. Geomorphology, 2010, 118, 288-300.	1.1	195
78	Evaluating uncertainty in mapping forest carbon with airborne LiDAR. Remote Sensing of Environment, 2011, 115, 3770-3774.	4.6	194
79	Extreme Differences in Forest Degradation in Borneo: Comparing Practices in Sarawak, Sabah, and Brunei. PLoS ONE, 2013, 8, e69679.	1.1	189
80	Tropical forest carbon assessment: integrating satellite and airborne mapping approaches. Environmental Research Letters, 2009, 4, 034009.	2.2	186
81	Forest carbon densities and uncertainties from Lidar, QuickBird, and field measurements in California. Remote Sensing of Environment, 2010, 114, 1561-1575.	4.6	186
82	Remote sensing of selective logging in Amazonia. Remote Sensing of Environment, 2002, 80, 483-496.	4.6	180
83	Toward the Integrated Marine Debris Observing System. Frontiers in Marine Science, 2019, 6, .	1.2	178
84	Mapping tree species composition in South African savannas using an integrated airborne spectral and LiDAR system. Remote Sensing of Environment, 2012, 125, 214-226.	4.6	177
85	Herbivory makes major contributions to ecosystem carbon and nutrient cycling in tropical forests. Ecology Letters, 2014, 17, 324-332.	3.0	176
86	Mapping Savanna Tree Species at Ecosystem Scales Using Support Vector Machine Classification and BRDF Correction on Airborne Hyperspectral and LiDAR Data. Remote Sensing, 2012, 4, 3462-3480.	1.8	175
87	A â€œGlobal Safety Netâ€•to reverse biodiversity loss and stabilize Earthâ€™s climate. Science Advances, 2020, 6, .	4.7	174
88	Canopy phylogenetic, chemical and spectral assembly in a lowland Amazonian forest. New Phytologist, 2011, 189, 999-1012.	3.5	170
89	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. Nature Communications, 2014, 5, 3434.	5.8	169
90	Invasive species detection in Hawaiian rainforests using airborne imaging spectroscopy and LiDAR. Remote Sensing of Environment, 2008, 112, 1942-1955.	4.6	168

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91	Tree Species Discrimination in Tropical Forests Using Airborne Imaging Spectroscopy. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 73-84.	2.7	167
92	An above-ground biomass map of African savannahs and woodlands at 25 m resolution derived from ALOS PALSAR. Remote Sensing of Environment, 2018, 206, 156-173.	4.6	167
93	Warming-related increases in soil CO2 efflux are explained by increased below-ground carbon flux. Nature Climate Change, 2014, 4, 822-827.	8.1	166
94	Toward an integrated monitoring framework to assess the effects of tropical forest degradation and recovery on carbon stocks and biodiversity. Global Change Biology, 2016, 22, 92-109.	4.2	165
95	CANOPY DAMAGE AND RECOVERY AFTER SELECTIVE LOGGING IN AMAZONIA: FIELD AND SATELLITE STUDIES. , 2004, 14, 280-298.		163
96	Uncertainty in the spatial distribution of tropical forest biomass: a comparison of pan-tropical maps. Carbon Balance and Management, 2013, 8, 10.	1.4	162
97	Forest canopy damage and recovery in reduced-impact and conventional selective logging in eastern Para, Brazil. Forest Ecology and Management, 2002, 168, 77-89.	1.4	159
98	Automated Extraction of Image-Based Endmember Bundles for Improved Spectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 396-408.	2.3	159
99	Coarse woody debris in undisturbed and logged forests in the eastern Brazilian Amazon. Global Change Biology, 2004, 10, 784-795.	4.2	158
100	Hyperspectral Remote Sensing of Canopy Biodiversity in Hawaiian Lowland Rainforests. Ecosystems, 2007, 10, 536-549.	1.6	158
101	Deforestation risk due to commodity crop expansion in sub-Saharan Africa. Environmental Research Letters, 2017, 12, 044015.	2.2	157
102	Mapping tropical forest canopy diversity using highâ€fidelity imaging spectroscopy. Ecological Applications, 2014, 24, 1289-1296.	1.8	155
103	Postfire response of North American boreal forest net primary productivity analyzed with satellite observations. Global Change Biology, 2003, 9, 1145-1157.	4.2	147
104	Multi-method ensemble selection of spectral bands related to leaf biochemistry. Remote Sensing of Environment, 2015, 164, 57-65.	4.6	147
105	Moisture Effects on Soil Reflectance. Soil Science Society of America Journal, 2002, 66, 722.	1.2	145
106	Changes in aboveground primary production and carbon and nitrogen pools accompanying woody plant encroachment in a temperate savanna. Global Change Biology, 2006, 12, 1733-1747.	4.2	143
107	Ecological Research Needs from Multiangle Remote Sensing Data. Remote Sensing of Environment, 1998, 63, 155-165.	4.6	142
108	Impact of Tissue, Canopy, and Landscape Factors on the Hyperspectral Reflectance Variability of Arid Ecosystems. Remote Sensing of Environment, 2000, 74, 69-84.	4.6	142

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109	Environmental and Biotic Controls over Aboveground Biomass Throughout a Tropical Rain Forest. Ecosystems, 2009, 12, 261-278.	1.6	142
110	Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. Remote Sensing of Environment, 2017, 194, 77-88.	4.6	142
111	Landscapeâ€scale effects of herbivores on treefall in African savannas. Ecology Letters, 2012, 15, 1211-1217.	3.0	141
112	Satellite observation of El NiÃ±o effects on Amazon Forest phenology and productivity. Geophysical Research Letters, 2000, 27, 981-984.	1.5	140
113	Synergies of multiple remote sensing data sources for REDD+ monitoring. Current Opinion in Environmental Sustainability, 2012, 4, 696-706.	3.1	140
114	Amazonian functional diversity from forest canopy chemical assembly. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5604-5609.	3.3	140
115	Taxonomy and remote sensing of leaf mass per area (LMA) in humid tropical forests. , 2011, 21, 85-98.		139
116	Effects of fire on woody vegetation structure in African savanna. Ecological Applications, 2010, 20, 1865-1875.	1.8	135
117	Leaf chemical and spectral diversity in Australian tropical forests. Ecological Applications, 2009, 19, 236-253.	1.8	134
118	Trends in North American net primary productivity derived from satellite observations, 1982-1998. Global Biogeochemical Cycles, 2002, 16, 2-1-2-14.	1.9	133
119	Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. New Phytologist, 2017, 214, 1049-1063.	3.5	132
120	Climate shapes and shifts functional biodiversity in forests worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 587-592.	3.3	131
121	ECOLOGICAL RESEARCH IN THE LARGE-SCALE BIOSPHEREâ€“ ATMOSPHERE EXPERIMENT IN AMAZONIA: EARLY RESULTS. , 2004, 14, 3-16.		130
122	Plants reverse warming effect on ecosystem water balance. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9892-9893.	3.3	129
123	Spectranomics: Emerging science and conservation opportunities at the interface of biodiversity and remote sensing. Global Ecology and Conservation, 2016, 8, 212-219.	1.0	127
124	Variability in Leaf and Litter Optical Properties: Implications for BRDF Model Inversions Using AVHRR, MODIS, and MISR. Remote Sensing of Environment, 1998, 63, 243-257.	4.6	124
125	Brightness-normalized Partial Least Squares Regression for hyperspectral data. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 1947-1957.	1.1	124
126	Soilâ€“Atmosphere Exchange of Nitrous Oxide, Nitric Oxide, Methane, and Carbon Dioxide in Logged and Undisturbed Forest in the Tapajos National Forest, Brazil. Earth Interactions, 2005, 9, 1-28.	0.7	122

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127	A Tale of Two â€œForestsâ€• Random Forest Machine Learning Aids Tropical Forest Carbon Mapping. PLoS ONE, 2014, 9, e85993.	1.1	122
128	Multi-temporal hyperspectral mixture analysis and feature selection for invasive species mapping in rainforests. Remote Sensing of Environment, 2013, 136, 14-27.	4.6	121
129	Functional and biological diversity of foliar spectra in tree canopies throughout the Andes to Amazon region. New Phytologist, 2014, 204, 127-139.	3.5	121
130	Nitrogen cycling in tropical and temperate savannas. Biogeochemistry, 2006, 79, 209-237.	1.7	118
131	WOODY PLANTS IN GRASSLANDS: POSTâ€ENCROACHMENT STAND DYNAMICS. Ecological Applications, 2008, 18, 928-944.	1.8	118
132	SCALE DEPENDENCE OF ABSORPTION OF PHOTOSYNTHETICALLY ACTIVE RADIATION IN TERRESTRIAL ECOSYSTEMS. , 1998, 8, 1003-1021.		116
133	Integrating technologies for scalable ecology and conservation. Global Ecology and Conservation, 2016, 7, 262-275.	1.0	116
134	Forest Attributes from Radar Interferometric Structure and Its Fusion with Optical Remote Sensing. BioScience, 2004, 54, 561.	2.2	115
135	Spectroscopic classification of tropical forest species using radiative transfer modeling. Remote Sensing of Environment, 2011, 115, 2415-2422.	4.6	115
136	LiDAR measurements of canopy structure predict spatial distribution of a tropical mature forest primate. Remote Sensing of Environment, 2012, 127, 98-105.	4.6	115
137	The Decoupling of Terrestrial Carbon and Nitrogen Cycles. BioScience, 1997, 47, 226-234.	2.2	114
138	Spatial and temporal dynamics of forest canopy gaps following selective logging in the eastern Amazon. Global Change Biology, 2004, 10, 765-783.	4.2	114
139	Effects of Protected Areas on Forest Cover Change and Local Communities: Evidence from the Peruvian Amazon. World Development, 2016, 78, 288-307.	2.6	114
140	Canopy shadow in IKONOS satellite observations of tropical forests and savannas. Remote Sensing of Environment, 2003, 87, 521-533.	4.6	110
141	Genetic variation in leaf pigment, optical and photosynthetic function among diverse phenotypes of Metrosideros polymorpha grown in a common garden. Oecologia, 2007, 151, 387-400.	0.9	110
142	Spatial and temporal probabilities of obtaining cloudâ€free Landsat images over the Brazilian tropical savanna. International Journal of Remote Sensing, 2007, 28, 2739-2752.	1.3	109
143	Convergent structural responses of tropical forests to diverse disturbance regimes. Ecology Letters, 2009, 12, 887-897.	3.0	109
144	Options for monitoring and estimating historical carbon emissions from forest degradation in the context of REDD+. Carbon Balance and Management, 2011, 6, 13.	1.4	109

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145	Prey-size plastics are invading larval fish nurseries. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24143-24149.	3.3	108
146	Predicting tropical plant physiology from leaf and canopy spectroscopy. Oecologia, 2011, 165, 289-299.	0.9	106
147	High-fidelity national carbon mapping for resource management and REDD+. Carbon Balance and Management, 2013, 8, 7.	1.4	104
148	Influence of Deforestation, Logging, and Fire on Malaria in the Brazilian Amazon. PLoS ONE, 2014, 9, e85725.	1.1	104
149	Uncovering Ecological Patterns with Convolutional Neural Networks. Trends in Ecology and Evolution, 2019, 34, 734-745.	4.2	104
150	Observing changing ecological diversity in the Anthropocene. Frontiers in Ecology and the Environment, 2013, 11, 129-137.	1.9	101
151	Amazonian landscapes and the bias in field studies of forest structure and biomass. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5224-32.	3.3	101
152	Operational Tree Species Mapping in a Diverse Tropical Forest with Airborne Imaging Spectroscopy. PLoS ONE, 2015, 10, e0118403.	1.1	101
153	Satellite-derived increases in net primary productivity across North America, 1982-1998. Geophysical Research Letters, 2002, 29, 69-1-69-4.	1.5	100
154	Estimating Canopy Structure in an Amazon Forest from Laser Range Finder and IKONOS Satellite Observations1. Biotropica, 2002, 34, 483-492.	0.8	100
155	Controls over aboveground forest carbon density on Barro Colorado Island, Panama. Biogeosciences, 2011, 8, 1615-1629.	1.3	100
156	Landscape-scale changes in forest structure and functional traits along an Andes-to-Amazon elevation gradient. Biogeosciences, 2014, 11, 843-856.	1.3	100
157	Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. Ecology Letters, 2017, 20, 730-740.	3.0	100
158	Amazon Forest Structure from IKONOS Satellite Data and the Automated Characterization of Forest Canopy Properties. Biotropica, 2008, 40, 141-150.	0.8	97
159	Forest Canopy Gap Distributions in the Southern Peruvian Amazon. PLoS ONE, 2013, 8, e60875.	1.1	97
160	The relative influence of fire and herbivory on savanna three-dimensional vegetation structure. Biological Conservation, 2009, 142, 1693-1700.	1.9	96
161	Lion hunting behaviour and vegetation structure in an African savanna. Animal Behaviour, 2013, 85, 899-906.	0.8	96
162	Accelerated losses of protected forests from gold mining in the Peruvian Amazon. Environmental Research Letters, 2016, 12, 094004.	2.2	94

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163	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. Geochimica Et Cosmochimica Acta, 2016, 182, 155-172.	1.6	94
164	Large-scale climatic and geophysical controls on the leaf economics spectrum. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4043-51.	3.3	93
165	Effects of land-use change on the carbon balance of terrestrial ecosystems. Geophysical Monograph Series, 2004, , 85-98.	0.1	92
166	Imaging spectroscopy for desertification studies: comparing aviris and eo-1 hyperion in argentina drylands. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1283-1296.	2.7	91
167	High-resolution mapping of forest carbon stocks in the Colombian Amazon. Biogeosciences, 2012, 9, 2683-2696.	1.3	91
168	Mapped aboveground carbon stocks to advance forest conservation and recovery in Malaysian Borneo. Biological Conservation, 2018, 217, 289-310.	1.9	91
169	Spatial variability and abiotic determinants of termite mounds throughout a savanna catchment. Ecography, 2014, 37, 852-862.	2.1	90
170	Leafâ€level photosynthetic capacity in lowland Amazonian and highâ€elevation Andean tropical moist forests of Peru. New Phytologist, 2017, 214, 1002-1018.	3.5	89
171	Topographic controls on soil nitrogen availability in a lowland tropical forest. Ecology, 2015, 96, 1561-1574.	1.5	87
172	Highâ€resolution carbon mapping on the millionâ€hectare Island of Hawaii. Frontiers in Ecology and the Environment, 2011, 9, 434-439.	1.9	86
173	Long-term effects of fragmentation and fragment properties on bird species richness in Hawaiian forests. Biological Conservation, 2010, 143, 280-288.	1.9	85
174	Land Use Impacts on Coral Reef Health: A Ridge-to-Reef Perspective. Frontiers in Marine Science, 2019, 6, .	1.2	85
175	Targeted carbon conservation at national scales with high-resolution monitoring. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5016-22.	3.3	84
176	Rapid Assessments of Amazon Forest Structure and Biomass Using Small Unmanned Aerial Systems. Remote Sensing, 2016, 8, 615.	1.8	84
177	Adaptive bathymetry estimation for shallow coastal waters using Planet Dove satellites. Remote Sensing of Environment, 2019, 232, 111302.	4.6	84
178	Contrasting leaf chemical traits in tropical lianas and trees: implications for future forest composition. Ecology Letters, 2012, 15, 1001-1007.	3.0	83
179	Intermittency of Large Methane Emitters in the Permian Basin. Environmental Science and Technology Letters, 2021, 8, 567-573.	3.9	83
180	Ground-based and remotely sensed nutrient availability across a tropical landscape. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10909-10912.	3.3	81

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181	Temporal variability of forest fires in eastern Amazonia. , 2011, 21, 2397-2412.		81
182	Mapping Recent Deforestation and Forest Disturbance in Northeastern Madagascar. Tropical Conservation Science, 2013, 6, 1-15.	0.6	81
183	Ecosystemâ€scale effects of megafauna in African savannas. Ecography, 2016, 39, 240-252.	2.1	81
184	Monitoring tropical forest carbon stocks and emissions using Planet satellite data. Scientific Reports, 2019, 9, 17831.	1.6	81
185	Nitrogen cycling in tropical and temperate savannas. , 2006, , 209-237.		80
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