

# Greg Asner

## List of Publications by Year in descending order

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Version: 2024-02-01

576  
papers

68,442  
citations

764

119  
h-index

942

239  
g-index

603  
all docs

603  
docs citations

603  
times ranked

52423  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A framework for establishing a rapid "a death resistance program. <i>New Forests</i> , 2023, 54, 637-660.  | 0.7 | 4         |
| 2  | From polyps to pixels: understanding coral reef resilience to local and global change across scales. <i>Landscape Ecology</i> , 2023, 38, 737-752.   | 1.9 | 10        |
| 3  | Optimizing invasive species management using mathematical programming to support stewardship of water and carbon-based ecosystem services. <i>Journal of Environmental Management</i> , 2022, 301, 113803. | 3.8 | 5         |
| 4  | Deforestation scenarios show the importance of secondary forest for meeting Panama's carbon goals. <i>Landscape Ecology</i> , 2022, 37, 673-694.   | 1.9 | 13        |
| 5  | Empirically validated drought vulnerability mapping in the mixed conifer forests of the <sc>Sierra Nevada</sc>. <i>Ecological Applications</i> , 2022, 32, e2514.  | 1.8 | 9         |
| 6  | Early detection of a tree pathogen using airborne remote sensing. <i>Ecological Applications</i> , 2022, 32, e2519.  | 1.8 | 7         |
| 7  | Integrating ecosystem services modeling and efficiencies in decision-support models conceptualization for watershed management. <i>Ecological Modelling</i> , 2022, 466, 109879.                           | 1.2 | 6         |
| 8  | Are Sunken Warships Biodiversity Havens for Corals?. <i>Diversity</i> , 2022, 14, 139.   | 0.7 | 5         |
| 9  | Warming Alters the Relationship Between Benthic Cover and Herbivores on Hawaiian Reefs. <i>Frontiers in Marine Science</i> , 2022, 9, .  | 1.2 | 4         |
| 10 | Species-level tree crown maps improve predictions of tree recruit abundance in a tropical landscape. <i>Ecological Applications</i> , 2022, 32, e2585.   | 1.8 | 4         |
| 11 | Ecosystem-scale mapping of coral species and thermal tolerance. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 285-291.   | 1.9 | 11        |
| 12 | Shallow coastal water turbidity monitoring using Planet Dove satellites. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 521-535.   | 2.2 | 2         |
| 13 | Mapped coral mortality and refugia in an archipelago-scale marine heat wave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123331119.              | 3.3 | 14        |
| 14 | Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.   | 3.4 | 8         |
| 15 | Improving landscape-scale productivity estimates by integrating trait-based models and remotely sensed foliar trait and canopy structural data. <i>Ecography</i> , 2022, 2022, .                           | 2.1 | 4         |
| 16 | Monitoring tropical forest succession at landscape scales despite uncertainty in Landsat time series. <i>Ecological Applications</i> , 2021, 31, e02208.   | 1.8 | 12        |
| 17 | Impacts of remotely sensed environmental drivers on coral outplant survival. <i>Restoration Ecology</i> , 2021, 29, .  | 1.4 | 8         |
| 18 | Impacts of pollution, fishing pressure, and reef rugosity on resource fish biomass in West Hawaii. <i>Ecological Applications</i> , 2021, 31, e2213.   | 1.8 | 19        |

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|----|---|-----|-----------|
| 19 | Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 252, 112122.   | 4.6 | 38        |
| 20 | Environmental controls on African herbivore responses to landscapes of fear. <i>Oikos</i> , 2021, 130, 171-186.   | 1.2 | 12        |
| 21 | Imaging Spectroscopy for Conservation Applications. <i>Remote Sensing</i> , 2021, 13, 292.  | 1.8 | 10        |
| 22 | Space-use patterns of Malay civets ( <i>Viverra zibellina</i> ) persisting within a landscape fragmented by oil palm plantations. <i>Landscape Ecology</i> , 2021, 36, 915-930.   | 1.9 | 4         |
| 23 | Surface slicks are pelagic nurseries for diverse ocean fauna. <i>Scientific Reports</i> , 2021, 11, 3197.   | 1.6 | 26        |
| 24 | Advancing Landscape and Seascape Ecology from a 2D to a 3D Science. <i>BioScience</i> , 2021, 71, 596-608.  | 2.2 | 25        |
| 25 | Abiotic and Human Drivers of Reef Habitat Complexity Throughout the Main Hawaiian Islands. <i>Frontiers in Marine Science</i> , 2021, 8, .  | 1.2 | 7         |
| 26 | Exploring the links between secondary metabolites and leaf spectral reflectance in a diverse genus of Amazonian trees. <i>Ecosphere</i> , 2021, 12, e03362.   | 1.0 | 12        |
| 27 | Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El Niño. <i>Nature Communications</i> , 2021, 12, 1526.   | 5.8 | 31        |
| 28 | Workflow for the Generation of Expert-Derived Training and Validation Data: A View to Global Scale Habitat Mapping. <i>Frontiers in Marine Science</i> , 2021, 8, .   | 1.2 | 20        |
| 29 | Automated Global Shallow Water Bathymetry Mapping Using Google Earth Engine. <i>Remote Sensing</i> , 2021, 13, 1469.  | 1.8 | 40        |
| 30 | Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021, 5, 757-767.   | 3.4 | 27        |
| 31 | Spatial heterogeneity facilitates carnivore coexistence. <i>Ecology</i> , 2021, 102, e03319.  | 1.5 | 31        |
| 32 | Quantifying Global Power Plant Carbon Dioxide Emissions With Imaging Spectroscopy. <i>AGU Advances</i> , 2021, 2, e2020AV000350.  | 2.3 | 32        |
| 33 | Intermittency of Large Methane Emitters in the Permian Basin. <i>Environmental Science and Technology Letters</i> , 2021, 8, 567-573.   | 3.9 | 83        |
| 34 | Landslide age, elevation and residual vegetation determine tropical montane forest canopy recovery and biomass accumulation after landslide disturbances in the Peruvian Andes. <i>Journal of Ecology</i> , 2021, 109, 3555-3571. | 1.9 | 9         |
| 35 | Mapping the vulnerability of giant sequoias after extreme drought in California using remote sensing. <i>Ecological Applications</i> , 2021, 31, e02395.  | 1.8 | 2         |
| 36 | Site Selection for Coral Reef Restoration Using Airborne Imaging Spectroscopy. <i>Frontiers in Marine Science</i> , 2021, 8, .  | 1.2 | 2         |

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|----|--|-----|-----------|
| 37 | Regional Reef Fish Survey Design and Scaling Using High-Resolution Mapping and Analysis. <i>Frontiers in Marine Science</i> , 2021, 8, .   | 1.2 | 5         |
| 38 | Litter inputs drive patterns of soil nitrogen heterogeneity in a diverse tropical forest: Results from a litter manipulation experiment. <i>Soil Biology and Biochemistry</i> , 2021, 158, 108247. | 4.2 | 13        |
| 39 | Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.   | 1.9 | 71        |
| 40 | Synergistic benefits of conserving land-sea ecosystems. <i>Global Ecology and Conservation</i> , 2021, 28, e01684.   | 1.0 | 23        |
| 41 | A new remote sensing-based carbon sequestration potential index (CSPI): A tool to support land carbon management. <i>Forest Ecology and Management</i> , 2021, 494, 119343.                        | 1.4 | 6         |
| 42 | Depth-dependent indicators of algal turf herbivory throughout the Main Hawaiian Islands. <i>Coral Reefs</i> , 2021, 40, 1397-1408.   | 0.9 | 2         |
| 43 | Ecosystem carbon balance in the Hawaiian Islands under different scenarios of future climate and land use change. <i>Environmental Research Letters</i> , 2021, 16, 104020.                        | 2.2 | 4         |
| 44 | Regional High-Resolution Benthic Habitat Data from Planet Dove Imagery for Conservation Decision-Making and Marine Planning. <i>Remote Sensing</i> , 2021, 13, 4215.                               | 1.8 | 15        |
| 45 | Using spatially explicit, time-dependent analysis to understand how social factors influence conservation outcomes. <i>Conservation Biology</i> , 2020, 34, 505-514.                               | 2.4 | 1         |
| 46 | 3D Imaging Insights into Forests and Coral Reefs. <i>Trends in Ecology and Evolution</i> , 2020, 35, 6-9.  | 4.2 | 36        |
| 47 | Natural and anthropogenic drivers of Bornean elephant movement strategies. <i>Global Ecology and Conservation</i> , 2020, 22, e00906.  | 1.0 | 25        |
| 48 | Hydrological effects of tree invasion on a dry coastal Hawaiian ecosystem. <i>Forest Ecology and Management</i> , 2020, 458, 117653.   | 1.4 | 4         |
| 49 | TRY plant trait database " enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.  | 4.2 | 1,038     |
| 50 | Incorporating connectivity into conservation planning for the optimal representation of multiple species and ecosystem services. <i>Conservation Biology</i> , 2020, 34, 934-942.                  | 2.4 | 16        |
| 51 | Landscape scale variation in the hydrologic niche of California coast redwood. <i>Ecography</i> , 2020, 43, 1305-1315.   | 2.1 | 5         |
| 52 | Quantifying Tropical Plant Diversity Requires an Integrated Technological Approach. <i>Trends in Ecology and Evolution</i> , 2020, 35, 1100-1109.  | 4.2 | 16        |
| 53 | A global coral reef probability map generated using convolutional neural networks. <i>Coral Reefs</i> , 2020, 39, 1805-1815.   | 0.9 | 43        |
| 54 | Sea surface temperature in coral reef restoration outcomes. <i>Environmental Research Letters</i> , 2020, 15, 074045.  | 2.2 | 18        |

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|----|--|-----|-----------|
| 55 | Active restoration accelerates the carbon recovery of human-modified tropical forests. <i>Science</i> , 2020, 369, 838-841.  | 6.0 | 68        |
| 56 | Coral Bleaching Detection in the Hawaiian Islands Using Spatio-Temporal Standardized Bottom Reflectance and Planet Dove Satellites. <i>Remote Sensing</i> , 2020, 12, 3219.  | 1.8 | 13        |
| 57 | A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. <i>Science Advances</i> , 2020, 6, .   | 4.7 | 174       |
| 58 | Impacts of Pollution, Fishing Pressure, and Reef Rugosity on Resource Fish Biomass in West Hawai'i. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01778.  | 0.2 | 0         |
| 59 | The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .   | 1.0 | 19        |
| 60 | Challenges in Estimating Tropical Forest Canopy Height from Planet Dove Imagery. <i>Remote Sensing</i> , 2020, 12, 1160.   | 1.8 | 21        |
| 61 | The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .   | 1.0 | 19        |
| 62 | Carbon declines along tropical forest edges correspond to heterogeneous effects on canopy structure and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7863-7870. | 3.3 | 57        |
| 63 | Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020, 228, 485-493.   | 3.5 | 72        |
| 64 | Resistance of mound-building termites to anthropogenic land-use change. <i>Environmental Research Letters</i> , 2020, 15, 094038.  | 2.2 | 17        |
| 65 | High-Resolution Reef Bathymetry and Coral Habitat Complexity from Airborne Imaging Spectroscopy. <i>Remote Sensing</i> , 2020, 12, 310.  | 1.8 | 26        |
| 66 | Leaf litter inputs reinforce islands of nitrogen fertility in a lowland tropical forest. <i>Biogeochemistry</i> , 2020, 147, 293-306.  | 1.7 | 19        |
| 67 | Opportunistic feeding by lions: non-preferred prey comprise an important part of lion diets in a habitat where preferred prey are abundant. <i>Mammal Research</i> , 2020, 65, 235-243.  | 0.6 | 12        |
| 68 | Aboveground carbon emissions from gold mining in the Peruvian Amazon. <i>Environmental Research Letters</i> , 2020, 15, 014006.  | 2.2 | 25        |
| 69 | Spatial drivers of composition and connectivity across endangered tropical dry forests. <i>Journal of Applied Ecology</i> , 2020, 57, 1593-1604.   | 1.9 | 10        |
| 70 | Mapping the world's coral reefs using a global multiscale earth observation framework. <i>Remote Sensing in Ecology and Conservation</i> , 2020, 6, 557-568.   | 2.2 | 73        |
| 71 | Beyond Refugia: New Insights on Quaternary Climate Variation and the Evolution of Biotic Diversity in Tropical South America. <i>Fascinating Life Sciences</i> , 2020, , 51-70.  | 0.5 | 29        |
| 72 | Large-scale mapping of live corals to guide reef conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33711-33718.  | 3.3 | 29        |

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|----|---|-----|-----------|
| 73 | Geomorphologic transience moderates topographic controls on tropical canopy foliar traits. <i>Ecology Letters</i> , 2020, 23, 1276-1286.  | 3.0 | 7         |
| 74 | Near-real time aboveground carbon emissions in Peru. <i>PLoS ONE</i> , 2020, 15, e0241418.  | 1.1 | 10        |
| 75 | The Sensitivity of Multi-spectral Satellite Sensors to Benthic Habitat Change. <i>Remote Sensing</i> , 2020, 12, 532.   | 1.8 | 20        |
| 76 | Toward the Integrated Marine Debris Observing System. <i>Frontiers in Marine Science</i> , 2019, 6, .   | 1.2 | 178       |
| 77 | Adaptive bathymetry estimation for shallow coastal waters using Planet Dove satellites. <i>Remote Sensing of Environment</i> , 2019, 232, 111302.   | 4.6 | 84        |
| 78 | A Density-Based Approach for Leaf Area Index Assessment in a Complex Forest Environment Using a Terrestrial Laser Scanner. <i>Remote Sensing</i> , 2019, 11, 1791.                                    | 1.8 | 15        |
| 79 | Land Use Impacts on Coral Reef Health: A Ridge-to-Reef Perspective. <i>Frontiers in Marine Science</i> , 2019, 6, .   | 1.2 | 85        |
| 80 | Dominant tree species drive beta diversity patterns in western Amazonia. <i>Ecology</i> , 2019, 100, e02636.  | 1.5 | 23        |
| 81 | Forest structure and pattern vary by climate and landform across active-fire landscapes in the montane Sierra Nevada. <i>Forest Ecology and Management</i> , 2019, 437, 70-86.                        | 1.4 | 48        |
| 82 | Forest Drought Resistance at Large Geographic Scales. <i>Geophysical Research Letters</i> , 2019, 46, 2752-2760.  | 1.5 | 30        |
| 83 | Object-Based Mapping of Coral Reef Habitats Using Planet Dove Satellites. <i>Remote Sensing</i> , 2019, 11, 1445.   | 1.8 | 37        |
| 84 | High-Resolution Remote Sensing Data as a Boundary Object to Facilitate Interdisciplinary Collaboration. , 2019, , 295-326.  |     | 3         |
| 85 | Prolonged tropical forest degradation due to compounding disturbances: Implications for CO <sub>2</sub> and H <sub>2</sub> O fluxes. <i>Global Change Biology</i> , 2019, 25, 2855-2868.              | 4.2 | 43        |
| 86 | Remote sensing of forest die-off in the Anthropocene: From plant ecophysiology to canopy structure. <i>Remote Sensing of Environment</i> , 2019, 231, 111233.   | 4.6 | 45        |
| 87 | Object-Based Time-Constrained Dynamic Time Warping Classification of Crops Using Sentinel-2. <i>Remote Sensing</i> , 2019, 11, 1257.  | 1.8 | 64        |
| 88 | Uncovering Ecological Patterns with Convolutional Neural Networks. <i>Trends in Ecology and Evolution</i> , 2019, 34, 734-745.  | 4.2 | 104       |
| 89 | Spatial patterning among savanna trees in high-resolution, spatially extensive data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10681-10685. | 3.3 | 30        |
| 90 | A Global Deal For Nature: Guiding principles, milestones, and targets. <i>Science Advances</i> , 2019, 5, eaaw2869.   | 4.7 | 477       |

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|-----|---|-----|-----------|
| 91  | Scaling Up Coral Reef Restoration Using Remote Sensing Technology. <i>Frontiers in Marine Science</i> , 2019, 6, .  | 1.2 | 51        |
| 92  | High-Resolution Mapping of Redwood ( <i>Sequoia sempervirens</i> ) Distributions in Three Californian Forests. <i>Remote Sensing</i> , 2019, 11, 351.   | 1.8 | 5         |
| 93  | Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. <i>Frontiers in Earth Science</i> , 2019, 7, .                           | 0.8 | 19        |
| 94  | Lack of association between deforestation and either sustainability commitments or fines in private concessions in the Peruvian Amazon. <i>Forest Policy and Economics</i> , 2019, 104, 1-8.      | 1.5 | 8         |
| 95  | Elephants limit aboveground carbon gains in African savannas. <i>Global Change Biology</i> , 2019, 25, 1368-1382.   | 4.2 | 26        |
| 96  | Combining behavioural and LiDAR data to reveal relationships between canopy structure and orangutan nest site selection in disturbed forests. <i>Biological Conservation</i> , 2019, 232, 97-107. | 1.9 | 19        |
| 97  | Monitoring tropical forest carbon stocks and emissions using Planet satellite data. <i>Scientific Reports</i> , 2019, 9, 17831.   | 1.6 | 81        |
| 98  | Prey-size plastics are invading larval fish nurseries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24143-24149.                           | 3.3 | 108       |
| 99  | Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. <i>Science Advances</i> , 2019, 5, eaaw8114.                        | 4.7 | 51        |
| 100 | Imaging spectroscopy predicts variable distance decay across contrasting Amazonian tree communities. <i>Journal of Ecology</i> , 2019, 107, 696-710.  | 1.9 | 25        |
| 101 | Climate shapes and shifts functional biodiversity in forests worldwide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 587-592.              | 3.3 | 131       |
| 102 | Forest biomass retrieval approaches from earth observation in different biomes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 77, 53-68.                   | 1.4 | 60        |
| 103 | Fuelwood extraction intensity drives compensatory regrowth in African savanna communal lands. <i>Land Degradation and Development</i> , 2019, 30, 190-201.  | 1.8 | 7         |
| 104 | Effect of microsite quality and species composition on tree growth: A semi-empirical modeling approach. <i>Forest Ecology and Management</i> , 2019, 432, 534-545.                                | 1.4 | 17        |
| 105 | Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. <i>Frontiers in Plant Science</i> , 2019, 10, 1810.   | 1.7 | 23        |
| 106 | Landscape evolution and nutrient rejuvenation reflected in Amazon forest canopy chemistry. <i>Ecology Letters</i> , 2018, 21, 978-988.  | 3.0 | 25        |
| 107 | Leaf- and crown-level adjustments help giant sequoias maintain favorable water status during severe drought. <i>Forest Ecology and Management</i> , 2018, 419-420, 257-267.                       | 1.4 | 15        |
| 108 | Structural and defensive roles of angiosperm leaf venation network reticulation across an Andes-Amazon elevation gradient. <i>Journal of Ecology</i> , 2018, 106, 1683-1699.                      | 1.9 | 18        |

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|-----|---|-----|-----------|
| 109 | On the relationship between fire regime and vegetation structure in the tropics. <i>New Phytologist</i> , 2018, 218, 153-166.   | 3.5 | 64        |
| 110 | An above-ground biomass map of African savannahs and woodlands at 25 m resolution derived from ALOS PALSAR. <i>Remote Sensing of Environment</i> , 2018, 206, 156-173.                        | 4.6 | 167       |
| 111 | Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. <i>Oecologia</i> , 2018, 186, 765-782.                                       | 0.9 | 22        |
| 112 | Leaf to landscape responses of giant sequoia to hotter drought: An introduction and synthesis for the special section. <i>Forest Ecology and Management</i> , 2018, 419-420, 249-256.         | 1.4 | 9         |
| 113 | Protected area management priorities crucial for the future of Bornean elephants. <i>Biological Conservation</i> , 2018, 221, 365-373.  | 1.9 | 29        |
| 114 | Biotic and Abiotic Controls Over Canopy Function and Structure in Humid Hawaiian Forests. <i>Ecosystems</i> , 2018, 21, 331-348.  | 1.6 | 11        |
| 115 | Scale-dependence of environmental and socioeconomic drivers of albizia invasion in Hawaii. <i>Landscape and Urban Planning</i> , 2018, 169, 70-80.  | 3.4 | 16        |
| 116 | Landscape-scale variation in canopy water content of giant sequoias during drought. <i>Forest Ecology and Management</i> , 2018, 419-420, 291-304.  | 1.4 | 19        |
| 117 | Mapped aboveground carbon stocks to advance forest conservation and recovery in Malaysian Borneo. <i>Biological Conservation</i> , 2018, 217, 289-310.  | 1.9 | 91        |
| 118 | Megafaunal effects on vegetation structure throughout a densely wooded African landscape. <i>Ecological Applications</i> , 2018, 28, 398-408.   | 1.8 | 28        |
| 119 | Remote measurement of canopy water content in giant sequoias ( <i>Sequoiadendron giganteum</i> ) during drought. <i>Forest Ecology and Management</i> , 2018, 419-420, 279-290.               | 1.4 | 31        |
| 120 | An Approach for High-Resolution Mapping of Hawaiian <i>Metrosideros</i> Forest Mortality Using Laser-Guided Imaging Spectroscopy. <i>Remote Sensing</i> , 2018, 10, 502.                      | 1.8 | 31        |
| 121 | Tropical forest leaves may darken in response to climate change. <i>Nature Ecology and Evolution</i> , 2018, 2, 1918-1924.  | 3.4 | 23        |
| 122 | Indirect Estimation of Structural Parameters in South African Forests Using MISR-HR and LiDAR Remote Sensing Data. <i>Remote Sensing</i> , 2018, 10, 1537.                                    | 1.8 | 5         |
| 123 | A tree-based approach to biomass estimation from remote sensing data in a tropical agricultural landscape. <i>Remote Sensing of Environment</i> , 2018, 218, 32-43.                           | 4.6 | 28        |
| 124 | The cost and distribution of forest conservation for national emissions reductions. <i>Global Environmental Change</i> , 2018, 53, 39-51.   | 3.6 | 16        |
| 125 | Estimating aboveground carbon density across forest landscapes of Hawaii: Combining FIA plot-derived estimates and airborne LiDAR. <i>Forest Ecology and Management</i> , 2018, 424, 323-337. | 1.4 | 17        |
| 126 | Remotely sensed canopy nitrogen correlates with nitrous oxide emissions in a lowland tropical rainforest. <i>Ecology</i> , 2018, 99, 2080-2089.   | 1.5 | 23        |



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|-----|---|-----|-----------|
| 127 | An Approach for Foliar Trait Retrieval from Airborne Imaging Spectroscopy of Tropical Forests. <i>Remote Sensing</i> , 2018, 10, 199.   | 1.8 | 54        |
| 128 | A Spectral Mapping Signature for the Rapid Ohia Death (ROD) Pathogen in Hawaiian Forests. <i>Remote Sensing</i> , 2018, 10, 404.  | 1.8 | 37        |
| 129 | Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. <i>Biogeosciences</i> , 2018, 15, 3811-3830. | 1.3 | 47        |
| 130 | Overlapping land allocations reduce deforestation in Peru. <i>Land Use Policy</i> , 2018, 79, 174-178.  | 2.5 | 15        |
| 131 | Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. <i>New Phytologist</i> , 2017, 214, 1049-1063.  | 3.5 | 132       |
| 132 | Topographic distributions of emergent trees in tropical forests of the Osa Peninsula, Costa Rica. <i>Ecography</i> , 2017, 40, 829-839.   | 2.1 | 10        |
| 133 | Climate, Topography, and Canopy Chemistry Exert Hierarchical Control Over Soil N Cycling in a Neotropical Lowland Forest. <i>Ecosystems</i> , 2017, 20, 1089-1103.                      | 1.6 | 33        |
| 134 | Predicting trait-environment relationships for venation networks along an Andes-Amazon elevation gradient. <i>Ecology</i> , 2017, 98, 1239-1255.  | 1.5 | 31        |
| 135 | Airborne laser-guided imaging spectroscopy to map forest trait diversity and guide conservation. <i>Science</i> , 2017, 355, 385-389.   | 6.0 | 196       |
| 136 | Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 449-469.            | 1.3 | 28        |
| 137 | Altitude effect on leaf wax carbon isotopic composition in humid tropical forests. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 206, 1-17.  | 1.6 | 46        |
| 138 | Termites and trees. Response to comment on "Termite mounds alter the spatial distribution of African savanna tree species". <i>Journal of Biogeography</i> , 2017, 44, 952-956.         | 1.4 | 0         |
| 139 | Nutrient acquisition, soil phosphorus partitioning and competition among trees in a lowland tropical rain forest. <i>New Phytologist</i> , 2017, 214, 1506-1517.                        | 3.5 | 65        |
| 140 | Titling indigenous communities protects forests in the Peruvian Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4123-4128.  | 3.3 | 209       |
| 141 | Deforestation risk due to commodity crop expansion in sub-Saharan Africa. <i>Environmental Research Letters</i> , 2017, 12, 044015.   | 2.2 | 157       |
| 142 | Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. <i>Ecology Letters</i> , 2017, 20, 730-740.               | 3.0 | 100       |
| 143 | Conservation assessment of the Peruvian Andes and Amazon based on mapped forest functional diversity. <i>Biological Conservation</i> , 2017, 210, 80-88.                                | 1.9 | 11        |
| 144 | Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2017, 194, 77-88.   | 4.6 | 142       |

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|-----|---|-----|-----------|
| 145 | Coral reef atoll assessment in the South China Sea using Planet Dove satellites. <i>Remote Sensing in Ecology and Conservation</i> , 2017, 3, 57-65.  | 2.2 | 51        |
| 146 | Prioritizing landscapes for restoration based on spatial patterns of ecosystem controls and plant-plant interactions. <i>Journal of Applied Ecology</i> , 2017, 54, 1459-1468.  | 1.9 | 17        |
| 147 | Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2952-2965.                             | 1.3 | 17        |
| 148 | Cover of tall trees best predicts California spotted owl habitat. <i>Forest Ecology and Management</i> , 2017, 405, 166-178.  | 1.4 | 80        |
| 149 | Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <i>Global Ecology and Biogeography</i> , 2017, 26, 1357-1373.   | 2.7 | 57        |
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