# Greg Asner

List of Publications by Year
in descending order

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|---|---|---|---|
| 579<br>papers | 68,442<br>citations | 767<br>119<br>h-index | 947<br>239<br>g-index |
| 603<br>all docs | 603<br>docs citations | 603<br>times ranked | 52423<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A framework for establishing a rapid â€˜ÅŒhiâ€˜a death resistance program. New Forests, 2023, 54, 637-660. | 1.7 | 4 |
| 2 | From polyps to pixels: understanding coral reef resilience to local and global change across scales. Landscape Ecology, 2023, 38, 737-752. | 4.2 | 10 |
| 3 | Optimizing invasive species management using mathematical programming to support stewardship of water and carbon-based ecosystem services. Journal of Environmental Management, 2022, 301, 113803. | 7.8 | 5 |
| 4 | Deforestation scenarios show the importance of secondary forest for meeting Panamaâ€™s carbon goals. Landscape Ecology, 2022, 37, 673-694. | 4.2 | 13 |
| 5 | Empirically validated drought vulnerability mapping in the mixed conifer forests of the <scp>Sierra Nevada</scp>. Ecological Applications, 2022, 32, e2514. | 3.8 | 9 |
| 6 | Early detection of a tree pathogen using airborne remote sensing. Ecological Applications, 2022, 32, e2519. | 3.8 | 7 |
| 7 | Integrating ecosystem services modeling and efficiencies in decision-support models conceptualization for watershed management. Ecological Modelling, 2022, 466, 109879. | 2.5 | 6 |
| 8 | Are Sunken Warships Biodiversity Havens for Corals?. Diversity, 2022, 14, 139. | 1.7 | 5 |
| 9 | Warming Alters the Relationship Between Benthic Cover and Herbivores on Hawaiian Reefs. Frontiers in Marine Science, 2022, 9, . | 2.5 | 4 |
| 10 | Speciesâ€level tree crown maps improve predictions of tree recruit abundance in a tropical landscape. Ecological Applications, 2022, 32, e2585. | 3.8 | 4 |
| 11 | Ecosystemâ€scale mapping of coral species and thermal tolerance. Frontiers in Ecology and the Environment, 2022, 20, 285-291. | 4.0 | 11 |
| 12 | Shallow coastal water turbidity monitoring using Planet Dove satellites. Remote Sensing in Ecology and Conservation, 2022, 8, 521-535. | 4.3 | 2 |
| 13 | Mapped coral mortality and refugia in an archipelago-scale marine heat wave. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123331119. | 7.1 | 14 |
| 14 | Functional susceptibility of tropical forests to climate change. Nature Ecology and Evolution, 2022, 6, 878-889. | 7.8 | 8 |
| 15 | Improving landscapeâ€scale productivity estimates by integrating traitâ€based models and remotelyâ€sensed foliarâ€trait and canopyâ€structural data. Ecography, 2022, 2022, . | 4.5 | 4 |
| 16 | Monitoring tropical forest succession at landscape scales despite uncertainty in Landsat time series. Ecological Applications, 2021, 31, e02208. | 3.8 | 12 |
| 17 | Impacts of remotely sensed environmental drivers on coral outplant survival. Restoration Ecology, 2021, 29, . | 2.9 | 8 |
| 18 | Impacts of pollution, fishing pressure, and reef rugosity on resource fish biomass in West Hawaii. Ecological Applications, 2021, 31, e2213. | 3.8 | 19 |

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| 19 | Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. Remote Sensing of Environment, 2021, 252, 112122. | 11.0 | 38 |
| 20 | Environmental controls on African herbivore responses to landscapes of fear. Oikos, 2021, 130, 171-186. | 2.7 | 12 |
| 21 | Imaging Spectroscopy for Conservation Applications. Remote Sensing, 2021, 13, 292. | 4.0 | 10 |
| 22 | Space-use patterns of Malay civets (Viverra tangalunga) persisting within a landscape fragmented by oil palm plantations. Landscape Ecology, 2021, 36, 915-930. | 4.2 | 4 |
| 23 | Surface slicks are pelagic nurseries for diverse ocean fauna. Scientific Reports, 2021, 11, 3197. | 3.3 | 26 |
| 24 | Advancing Landscape and Seascape Ecology from a 2D to a 3D Science. BioScience, 2021, 71, 596-608. | 4.9 | 25 |
| 25 | Abiotic and Human Drivers of Reef Habitat Complexity Throughout the Main Hawaiian Islands. Frontiers in Marine Science, 2021, 8, . | 2.5 | 7 |
| 26 | Exploring the links between secondary metabolites and leaf spectral reflectance in a diverse genus of Amazonian trees. Ecosphere, 2021, 12, e03362. | 2.2 | 12 |
| 27 | Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El NiÃ±o. Nature Communications, 2021, 12, 1526. | 12.8 | 31 |
| 28 | Workflow for the Generation of Expert-Derived Training and Validation Data: A View to Global Scale Habitat Mapping. Frontiers in Marine Science, 2021, 8, . | 2.5 | 20 |
| 29 | Automated Global Shallow Water Bathymetry Mapping Using Google Earth Engine. Remote Sensing, 2021, 13, 1469. | 4.0 | 40 |
| 30 | Amazon tree dominance across forest strata. Nature Ecology and Evolution, 2021, 5, 757-767. | 7.8 | 27 |
| 31 | Spatial heterogeneity facilitates carnivore coexistence. Ecology, 2021, 102, e03319. | 3.2 | 31 |
| 32 | Quantifying Global Power Plant Carbon Dioxide Emissions With Imaging Spectroscopy. AGU Advances, 2021, 2, e2020AV000350. | 5.4 | 32 |
| 33 | Intermittency of Large Methane Emitters in the Permian Basin. Environmental Science and Technology Letters, 2021, 8, 567-573. | 8.7 | 83 |
| 34 | Landslide age, elevation and residual vegetation determine tropical montane forest canopy recovery and biomass accumulation after landslide disturbances in the Peruvian Andes. Journal of Ecology, 2021, 109, 3555-3571. | 4.0 | 9 |
| 35 | Mapping the vulnerability of giant sequoias after extreme drought in California using remote sensing. Ecological Applications, 2021, 31, e02395. | 3.8 | 2 |
| 36 | Site Selection for Coral Reef Restoration Using Airborne Imaging Spectroscopy. Frontiers in Marine Science, 2021, 8, . | 2.5 | 2 |

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| 37 | Regional Reef Fish Survey Design and Scaling Using High-Resolution Mapping and Analysis. Frontiers in Marine Science, 2021, 8, . | 2.5 | 5 |
| 38 | Litter inputs drive patterns of soil nitrogen heterogeneity in a diverse tropical forest: Results from a litter manipulation experiment. Soil Biology and Biochemistry, 2021, 158, 108247. | 8.8 | 13 |
| 39 | Taking the pulse of Earth's tropical forests using networks of highly distributed plots. Biological Conservation, 2021, 260, 108849. | 4.1 | 71 |
| 40 | Synergistic benefits of conserving land-sea ecosystems. Global Ecology and Conservation, 2021, 28, e01684. | 2.1 | 23 |
| 41 | A new remote sensing-based carbon sequestration potential index (CSPI): A tool to support land carbon management. Forest Ecology and Management, 2021, 494, 119343. | 3.2 | 6 |
| 42 | Depth-dependent indicators of algal turf herbivory throughout the Main Hawaiian Islands. Coral Reefs, 2021, 40, 1397-1408. | 2.2 | 2 |
| 43 | Ecosystem carbon balance in the Hawaiian Islands under different scenarios of future climate and land use change. Environmental Research Letters, 2021, 16, 104020. | 5.2 | 4 |
| 44 | Regional High-Resolution Benthic Habitat Data from Planet Dove Imagery for Conservation Decision-Making and Marine Planning. Remote Sensing, 2021, 13, 4215. | 4.0 | 15 |
| 45 | Using spatially explicit, timeâ€dependent analysis to understand how social factors influence conservation outcomes. Conservation Biology, 2020, 34, 505-514. | 4.7 | 1 |
| 46 | 3D Imaging Insights into Forests and Coral Reefs. Trends in Ecology and Evolution, 2020, 35, 6-9. | 8.7 | 36 |
| 47 | Natural and anthropogenic drivers of Bornean elephant movement strategies. Global Ecology and Conservation, 2020, 22, e00906. | 2.1 | 25 |
| 48 | Hydrological effects of tree invasion on a dry coastal Hawaiian ecosystem. Forest Ecology and Management, 2020, 458, 117653. | 3.2 | 4 |
| 49 | TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188. | 9.5 | 1,038 |
| 50 | Incorporating connectivity into conservation planning for the optimal representation of multiple species and ecosystem services. Conservation Biology, 2020, 34, 934-942. | 4.7 | 16 |
| 51 | Landscape scale variation in the hydrologic niche of California coast redwood. Ecography, 2020, 43, 1305-1315. | 4.5 | 5 |
| 52 | Quantifying Tropical Plant Diversity Requires an Integrated Technological Approach. Trends in Ecology and Evolution, 2020, 35, 1100-1109. | 8.7 | 16 |
| 53 | A global coral reef probability map generated using convolutional neural networks. Coral Reefs, 2020, 39, 1805-1815. | 2.2 | 43 |
| 54 | Sea surface temperature in coral reef restoration outcomes. Environmental Research Letters, 2020, 15, 074045. | 5.2 | 18 |

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| 55 | Active restoration accelerates the carbon recovery of human-modified tropical forests. Science, 2020, 369, 838-841. | 12.6 | 68 |
| 56 | Coral Bleaching Detection in the Hawaiian Islands Using Spatio-Temporal Standardized Bottom Reflectance and Planet Dove Satellites. Remote Sensing, 2020, 12, 3219. | 4.0 | 13 |
| 57 | A â€œGlobal Safety Netâ€•to reverse biodiversity loss and stabilize Earthâ€™s climate. Science Advances, 2020, 6, . | 10.3 | 174 |
| 58 | Impacts of Pollution, Fishing Pressure, and Reef Rugosity on Resource Fish Biomass in West Hawaiâ€˜i. Bulletin of the Ecological Society of America, 2020, 101, e01778. | 0.2 | 0 |
| 59 | The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. Frontiers in Forests and Global Change, 2020, 3, . | 2.3 | 19 |
| 60 | Challenges in Estimating Tropical Forest Canopy Height from Planet Dove Imagery. Remote Sensing, 2020, 12, 1160. | 4.0 | 21 |
| 61 | The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. Frontiers in Forests and Global Change, 2020, 3, . | 2.3 | 19 |
| 62 | Carbon declines along tropical forest edges correspond to heterogeneous effects on canopy structure and function. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7863-7870. | 7.1 | 57 |
| 63 | Leaf reflectance spectra capture the evolutionary history of seed plants. New Phytologist, 2020, 228, 485-493. | 7.3 | 72 |
| 64 | Resistance of mound-building termites to anthropogenic land-use change. Environmental Research Letters, 2020, 15, 094038. | 5.2 | 17 |
| 65 | High-Resolution Reef Bathymetry and Coral Habitat Complexity from Airborne Imaging Spectroscopy. Remote Sensing, 2020, 12, 310. | 4.0 | 26 |
| 66 | Leaf litter inputs reinforce islands of nitrogen fertility in a lowland tropical forest. Biogeochemistry, 2020, 147, 293-306. | 3.5 | 19 |
| 67 | Opportunistic feeding by lions: non-preferred prey comprise an important part of lion diets in a habitat where preferred prey are abundant. Mammal Research, 2020, 65, 235-243. | 1.3 | 12 |
| 68 | Aboveground carbon emissions from gold mining in the Peruvian Amazon. Environmental Research Letters, 2020, 15, 014006. | 5.2 | 25 |
| 69 | Spatial drivers of composition and connectivity across endangered tropical dry forests. Journal of Applied Ecology, 2020, 57, 1593-1604. | 4.0 | 10 |
| 70 | Mapping the world's coral reefs using a global multiscale earth observation framework. Remote Sensing in Ecology and Conservation, 2020, 6, 557-568. | 4.3 | 73 |
| 71 | Beyond Refugia: New Insights on Quaternary Climate Variation and the Evolution of Biotic Diversity in Tropical South America. Fascinating Life Sciences, 2020, , 51-70. | 0.9 | 29 |
| 72 | Large-scale mapping of live corals to guide reef conservation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33711-33718. | 7.1 | 29 |

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| 73 | Geomorphic transience moderates topographic controls on tropical canopy foliar traits. Ecology Letters, 2020, 23, 1276-1286. | 6.4 | 7 |
| 74 | Near-real time aboveground carbon emissions in Peru. PLoS ONE, 2020, 15, e0241418. | 2.5 | 10 |
| 75 | The Sensitivity of Multi-spectral Satellite Sensors to Benthic Habitat Change. Remote Sensing, 2020, 12, 532. | 4.0 | 20 |
| 76 | Toward the Integrated Marine Debris Observing System. Frontiers in Marine Science, 2019, 6, . | 2.5 | 178 |
| 77 | Adaptive bathymetry estimation for shallow coastal waters using Planet Dove satellites. Remote Sensing of Environment, 2019, 232, 111302. | 11.0 | 84 |
| 78 | A Density-Based Approach for Leaf Area Index Assessment in a Complex Forest Environment Using a Terrestrial Laser Scanner. Remote Sensing, 2019, 11, 1791. | 4.0 | 15 |
| 79 | Land Use Impacts on Coral Reef Health: A Ridge-to-Reef Perspective. Frontiers in Marine Science, 2019, 6, . | 2.5 | 85 |
| 80 | Dominant tree species drive beta diversity patterns in western Amazonia. Ecology, 2019, 100, e02636. | 3.2 | 23 |
| 81 | Forest structure and pattern vary by climate and landform across active-fire landscapes in the montane Sierra Nevada. Forest Ecology and Management, 2019, 437, 70-86. | 3.2 | 48 |
| 82 | Forest Drought Resistance at Large Geographic Scales. Geophysical Research Letters, 2019, 46, 2752-2760. | 4.0 | 30 |
| 83 | Object-Based Mapping of Coral Reef Habitats Using Planet Dove Satellites. Remote Sensing, 2019, 11, 1445. | 4.0 | 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. Global Change Biology, 2019, 25, 2855-2868. | 9.5 | 43 |
| 86 | Remote sensing of forest die-off in the Anthropocene: From plant ecophysiology to canopy structure. Remote Sensing of Environment, 2019, 231, 111233. | 11.0 | 45 |
| 87 | Object-Based Time-Constrained Dynamic Time Warping Classification of Crops Using Sentinel-2. Remote Sensing, 2019, 11, 1257. | 4.0 | 64 |
| 88 | Uncovering Ecological Patterns with Convolutional Neural Networks. Trends in Ecology and Evolution, 2019, 34, 734-745. | 8.7 | 104 |
| 89 | Spatial patterning among savanna trees in high-resolution, spatially extensive data. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10681-10685. | 7.1 | 30 |
| 90 | A Global Deal For Nature: Guiding principles, milestones, and targets. Science Advances, 2019, 5, eaaw2869. | 10.3 | 477 |

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| 91 | Scaling Up Coral Reef Restoration Using Remote Sensing Technology. Frontiers in Marine Science, 2019, 6, . | 2.5 | 51 |
| 92 | High-Resolution Mapping of Redwood (Sequoia sempervirens) Distributions in Three Californian Forests. Remote Sensing, 2019, 11, 351. | 4.0 | 5 |
| 93 | Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. Frontiers in Earth Science, 2019, 7, . | 1.8 | 19 |
| 94 | Lack of association between deforestation and either sustainability commitments or fines in private concessions in the Peruvian Amazon. Forest Policy and Economics, 2019, 104, 1-8. | 3.4 | 8 |
| 95 | Elephants limit aboveground carbon gains in African savannas. Global Change Biology, 2019, 25, 1368-1382. | 9.5 | 26 |
| 96 | Combining behavioural and LiDAR data to reveal relationships between canopy structure and orangutan nest site selection in disturbed forests. Biological Conservation, 2019, 232, 97-107. | 4.1 | 19 |
| 97 | Monitoring tropical forest carbon stocks and emissions using Planet satellite data. Scientific Reports, 2019, 9, 17831. | 3.3 | 81 |
| 98 | 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. | 7.1 | 108 |
| 99 | Informing trait-based ecology by assessing remotely sensed functional diversity across a broad tropical temperature gradient. Science Advances, 2019, 5, eaaw8114. | 10.3 | 51 |
| 100 | Imaging spectroscopy predicts variable distance decay across contrasting Amazonian tree communities. Journal of Ecology, 2019, 107, 696-710. | 4.0 | 25 |
| 101 | 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. | 7.1 | 131 |
| 102 | Forest biomass retrieval approaches from earth observation in different biomes. International Journal of Applied Earth Observation and Geoinformation, 2019, 77, 53-68. | 2.8 | 60 |
| 103 | Fuelwood extraction intensity drives compensatory regrowth in African savanna communal lands. Land Degradation and Development, 2019, 30, 190-201. | 3.9 | 7 |
| 104 | Effect of microsite quality and species composition on tree growth: A semi-empirical modeling approach. Forest Ecology and Management, 2019, 432, 534-545. | 3.2 | 17 |
| 105 | Covariance of Sun and Shade Leaf Traits Along a Tropical Forest Elevation Gradient. Frontiers in Plant Science, 2019, 10, 1810. | 3.6 | 23 |
| 106 | Landscape evolution and nutrient rejuvenation reflected in Amazon forest canopy chemistry. Ecology Letters, 2018, 21, 978-988. | 6.4 | 25 |
| 107 | Leaf- and crown-level adjustments help giant sequoias maintain favorable water status during severe drought. Forest Ecology and Management, 2018, 419-420, 257-267. | 3.2 | 15 |
| 108 | Structural and defensive roles of angiosperm leaf venation network reticulation across an Andesâ€“Amazon elevation gradient. Journal of Ecology, 2018, 106, 1683-1699. | 4.0 | 18 |

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| 109 | On the relationship between fire regime and vegetation structure in the tropics. New Phytologist, 2018, 218, 153-166. | 7.3 | 64 |
| 110 | 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. | 11.0 | 167 |
| 111 | Decoupled dimensions of leaf economic and anti-herbivore defense strategies in a tropical canopy tree community. Oecologia, 2018, 186, 765-782. | 2.0 | 22 |
| 112 | Leaf to landscape responses of giant sequoia to hotter drought: An introduction and synthesis for the special section. Forest Ecology and Management, 2018, 419-420, 249-256. | 3.2 | 9 |
| 113 | Protected area management priorities crucial for the future of Bornean elephants. Biological Conservation, 2018, 221, 365-373. | 4.1 | 29 |
| 114 | Biotic and Abiotic Controls Over Canopy Function and Structure in Humid Hawaiian Forests. Ecosystems, 2018, 21, 331-348. | 3.4 | 11 |
| 115 | Scale-dependence of environmental and socioeconomic drivers of albizia invasion in Hawaii. Landscape and Urban Planning, 2018, 169, 70-80. | 7.5 | 16 |
| 116 | Landscape-scale variation in canopy water content of giant sequoias during drought. Forest Ecology and Management, 2018, 419-420, 291-304. | 3.2 | 19 |
| 117 | Mapped aboveground carbon stocks to advance forest conservation and recovery in Malaysian Borneo. Biological Conservation, 2018, 217, 289-310. | 4.1 | 91 |
| 118 | Megafaunal effects on vegetation structure throughout a densely wooded African landscape. Ecological Applications, 2018, 28, 398-408. | 3.8 | 28 |
| 119 | Remote measurement of canopy water content in giant sequoias (Sequoiadendron giganteum) during drought. Forest Ecology and Management, 2018, 419-420, 279-290. | 3.2 | 31 |
| 120 | An Approach for High-Resolution Mapping of Hawaiian Metrosideros Forest Mortality Using Laser-Guided Imaging Spectroscopy. Remote Sensing, 2018, 10, 502. | 4.0 | 31 |
| 121 | Tropical forest leaves may darken in response to climate change. Nature Ecology and Evolution, 2018, 2, 1918-1924. | 7.8 | 23 |
| 122 | Indirect Estimation of Structural Parameters in South African Forests Using MISR-HR and LiDAR Remote Sensing Data. Remote Sensing, 2018, 10, 1537. | 4.0 | 5 |
| 123 | A tree-based approach to biomass estimation from remote sensing data in a tropical agricultural landscape. Remote Sensing of Environment, 2018, 218, 32-43. | 11.0 | 28 |
| 124 | The cost and distribution of forest conservation for national emissions reductions. Global Environmental Change, 2018, 53, 39-51. | 7.8 | 16 |
| 125 | Estimating aboveground carbon density across forest landscapes of Hawaii: Combining FIA plot-derived estimates and airborne LiDAR. Forest Ecology and Management, 2018, 424, 323-337. | 3.2 | 17 |
| 126 | Remotely sensed canopy nitrogen correlates with nitrous oxide emissions in a lowland tropical rainforest. Ecology, 2018, 99, 2080-2089. | 3.2 | 23 |

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| 127 | An Approach for Foliar Trait Retrieval from Airborne Imaging Spectroscopy of Tropical Forests. Remote Sensing, 2018, 10, 199. | 4.0 | 54 |
| 128 | A Spectral Mapping Signature for the Rapid Ohia Death (ROD) Pathogen in Hawaiian Forests. Remote Sensing, 2018, 10, 404. | 4.0 | 37 |
| 129 | Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. Biogeosciences, 2018, 15, 3811-3830. | 3.3 | 47 |
| 130 | Overlapping land allocations reduce deforestation in Peru. Land Use Policy, 2018, 79, 174-178. | 5.6 | 15 |
| 131 | Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. New Phytologist, 2017, 214, 1049-1063. | 7.3 | 132 |
| 132 | Topographic distributions of emergent trees in tropical forests of the Osa Peninsula, Costa Rica. Ecography, 2017, 40, 829-839. | 4.5 | 10 |
| 133 | Climate, Topography, and Canopy Chemistry Exert Hierarchical Control Over Soil N Cycling in a Neotropical Lowland Forest. Ecosystems, 2017, 20, 1089-1103. | 3.4 | 33 |
| 134 | Predicting traitâ€environment relationships for venation networks along an Andesâ€Amazon elevation gradient. Ecology, 2017, 98, 1239-1255. | 3.2 | 31 |
| 135 | Airborne laser-guided imaging spectroscopy to map forest trait diversity and guide conservation. Science, 2017, 355, 385-389. | 12.6 | 196 |
| 136 | Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 449-469. | 3.0 | 28 |
| 137 | Altitude effect on leaf wax carbon isotopic composition in humid tropical forests. Geochimica Et Cosmochimica Acta, 2017, 206, 1-17. | 3.9 | 46 |
| 138 | Termites and trees. Response to comment on â€˜Termite mounds alter the spatial distribution of African savanna tree speciesâ€™. Journal of Biogeography, 2017, 44, 952-956. | 3.0 | 0 |
| 139 | Nutrient acquisition, soil phosphorus partitioning and competition among trees in a lowland tropical rain forest. New Phytologist, 2017, 214, 1506-1517. | 7.3 | 65 |
| 140 | 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. | 7.1 | 209 |
| 141 | Deforestation risk due to commodity crop expansion in sub-Saharan Africa. Environmental Research Letters, 2017, 12, 044015. | 5.2 | 157 |
| 142 | Solar radiation and functional traits explain the decline of forest primary productivity along a tropical elevation gradient. Ecology Letters, 2017, 20, 730-740. | 6.4 | 100 |
| 143 | Conservation assessment of the Peruvian Andes and Amazon based on mapped forest functional diversity. Biological Conservation, 2017, 210, 80-88. | 4.1 | 11 |
| 144 | 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. | 11.0 | 142 |

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| 145 | Coral reef atoll assessment in the South China Sea using Planet Dove satellites. Remote Sensing in Ecology and Conservation, 2017, 3, 57-65. | 4.3 | 51 |
| 146 | Prioritizing landscapes for restoration based on spatial patterns of ecosystem controls and plantâ€"plant interactions. Journal of Applied Ecology, 2017, 54, 1459-1468. | 4.0 | 17 |
| 147 | Can Leaf Spectroscopy Predict Leaf and Forest Traits Along a Peruvian Tropical Forest Elevation Gradient?. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2952-2965. | 3.0 | 17 |
| 148 | Cover of tall trees best predicts California spotted owl habitat. Forest Ecology and Management, 2017, 405, 166-178. | 3.2 | 80 |
| 149 | Assessing traitâ€based scaling theory in tropical forests spanning a broad temperature gradient. Global Ecology and Biogeography, 2017, 26, 1357-1373. | 5.8 | 57 |
| 150 | What mediates tree mortality during drought in the southern Sierra Nevada?. Ecological Applications, 2017, 27, 2443-2457. | 3.8 | 74 |
| 151 | Canopy structure drives orangutan habitat selection in disturbed Bornean forests. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8307-8312. | 7.1 | 32 |
| 152 | Underproductive agriculture aids connectivity in tropical forests. Forest Ecology and Management, 2017, 401, 159-165. | 3.2 | 12 |
| 153 | Airborne mapping of benthic reflectance spectra with Bayesian linear mixtures. Remote Sensing of Environment, 2017, 200, 18-30. | 11.0 | 59 |
| 154 | Remotely sensed predictors of conifer tree mortality during severe drought. Environmental Research Letters, 2017, 12, 115013. | 5.2 | 52 |
| 155 | Reply to Robinson et al.: Building the evidence base on the forest cover effects of community titling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5765-E5765. | 7.1 | 2 |
| 156 | Humans and elephants as treefall drivers in African savannas. Ecography, 2017, 40, 1274-1284. | 4.5 | 28 |
| 157 | Scale dependence of canopy trait distributions along a tropical forest elevation gradient. New Phytologist, 2017, 214, 973-988. | 7.3 | 57 |
| 158 | Remote sensing for restoration planning: how the big picture can inform stakeholders. Restoration Ecology, 2017, 25, S147. | 2.9 | 41 |
| 159 | Landscapeâ€scale GPP and carbon density inform patterns and impacts of an invasive tree across wet forests of Hawaii. Ecological Applications, 2017, 27, 403-415. | 3.8 | 10 |
| 160 | Leafâ€level photosynthetic capacity in lowland Amazonian and highâ€elevation Andean tropical moist forests of Peru. New Phytologist, 2017, 214, 1002-1018. | 7.3 | 89 |
| 161 | Variation in leaf wettability traits along a tropical montane elevation gradient. New Phytologist, 2017, 214, 989-1001. | 7.3 | 51 |
| 162 | Exploring dispersal barriers using landscape genetic resistance modelling in scarlet macaws of the Peruvian Amazon. Landscape Ecology, 2017, 32, 445-456. | 4.2 | 18 |

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|---|---|---|---|
| 163 | Performance of one-class classifiers for invasive species mapping using airborne imaging spectroscopy. Ecological Informatics, 2017, 37, 66-76. | 5.2 | 36 |
| 164 | Episodic Canopy Structural Transformations and Biological Invasion in a Hawaiian Forest. Frontiers in Plant Science, 2017, 8, 1256. | 3.6 | 6 |
| 165 | Drivers of woody canopy water content responses to drought in a Mediterraneanâ€type ecosystem. Ecological Applications, 2017, 27, 2220-2233. | 3.8 | 9 |
| 166 | Riparian vegetation structure and the hunting behavior of adult estuarine crocodiles. PLoS ONE, 2017, 12, e0184804. | 2.5 | 7 |
| 167 | Spatially-Explicit Testing of a General Aboveground Carbon Density Estimation Model in a Western Amazonian Forest Using Airborne LiDAR. Remote Sensing, 2016, 8, 9. | 4.0 | 19 |
| 168 | Storm-triggered landslides in the Peruvian Andes and implications for topography, carbon cycles, and biodiversity. Earth Surface Dynamics, 2016, 4, 47-70. | 2.4 | 60 |
| 169 | Motivating residents to combat invasive species on private lands: social norms and community reciprocity. Ecology and Society, 2016, 21, . | 2.3 | 65 |
| 170 | Coherence among the Northern Hemisphere land, cryosphere, and ocean responses to natural variability and anthropogenic forcing during the satellite era. Earth System Dynamics, 2016, 7, 717-734. | 7.1 | 9 |
| 171 | Sustainable Management of Tropical Forests Can Reduce Carbon Emissions and Stabilize Timber Production. Frontiers in Environmental Science, 2016, 4, . | 3.3 | 53 |
| 172 | Determining Subcanopy Psidium cattleianum Invasion in Hawaiian Forests Using Imaging Spectroscopy. Remote Sensing, 2016, 8, 33. | 4.0 | 31 |
| 173 | Organismic-Scale Remote Sensing of Canopy Foliar Traits in Lowland Tropical Forests. Remote Sensing, 2016, 8, 87. | 4.0 | 68 |
| 174 | Tree Species Abundance Predictions in a Tropical Agricultural Landscape with a Supervised Classification Model and Imbalanced Data. Remote Sensing, 2016, 8, 161. | 4.0 | 61 |
| 175 | Phylogenetic Structure of Foliar Spectral Traits in Tropical Forest Canopies. Remote Sensing, 2016, 8, 196. | 4.0 | 40 |
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