# Alfredo R. Huete

List of Publications by Year
in descending order

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|---|---|---|---|
| 307 papers | 40,537 citations | 8181 76 h-index | 2571 195 g-index |
| 322 all docs | 322 docs citations | 322 times ranked | 24695 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Spatial modeling of soil erosion hazards and crop diversity change with rainfall variation in the Central Highlands of Sri Lanka. Science of the Total Environment, 2022, 806, 150405. | 8.0 | 8 |
| 2 | Heat wave tracker: A multi-method, multi-source heat wave measurement toolkit based on Google Earth Engine. Environmental Modelling and Software, 2022, 147, 105255. | 4.5 | 11 |
| 3 | Easternâ€Pacific and Centralâ€Pacific Types of ENSO Elicit Diverse Responses of Vegetation in the West Pacific Region. Geophysical Research Letters, 2022, 49, . | 4.0 | 1 |
| 4 | Land surface phenology retrievals for arid and semi-arid ecosystems. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 185, 129-145. | 11.1 | 20 |
| 5 | Forest fragmentation impacts the seasonality of Amazonian evergreen canopies. Nature Communications, 2022, 13, 917. | 12.8 | 20 |
| 6 | Assessing the Impact of Extreme Droughts on Dryland Vegetation by Multi-Satellite Solar-Induced Chlorophyll Fluorescence. Remote Sensing, 2022, 14, 1581. | 4.0 | 25 |
| 7 | Bridge to the future: Important lessons from 20Âyears of ecosystem observations made by the OzFlux network. Global Change Biology, 2022, 28, 3489-3514. | 9.5 | 14 |
| 8 | Satellite-observed shifts in C3/C4 abundance in Australian grasslands are associated with rainfall patterns. Remote Sensing of Environment, 2022, 273, 112983. | 11.0 | 15 |
| 9 | Forest structure and solar-induced fluorescence across intact and degraded forests in the Amazon. Remote Sensing of Environment, 2022, 274, 112998. | 11.0 | 6 |
| 10 | Centennial Annual Rainfall Pattern Changes Show an Increasing Trend with Higher Variation over Northern Australia. Journal of Hydrometeorology, 2022, 23, 1333-1349. | 1.9 | 6 |
| 11 | Characteristics of Greening along Altitudinal Gradients on the Qinghaiâ€“Tibet Plateau Based on Time-Series Landsat Images. Remote Sensing, 2022, 14, 2408. | 4.0 | 11 |
| 12 | Optical vegetation indices for monitoring terrestrial ecosystems globally. Nature Reviews Earth & Environment, 2022, 3, 477-493. | 29.7 | 191 |
| 13 | Spatiotemporal Variations of Dryland Vegetation Phenology Revealed by Satellite-Observed Fluorescence and Greenness across the North Australian Tropical Transect. Remote Sensing, 2022, 14, 2985. | 4.0 | 23 |
| 14 | Response of dryland vegetation under extreme wet events with satellite measures of greenness and fluorescence. Science of the Total Environment, 2022, 842, 156860. | 8.0 | 3 |
| 15 | Short-time-series grassland mapping using Sentinel-2 imagery and deep learning-based architecture. Egyptian Journal of Remote Sensing and Space Science, 2022, 25, 673-685. | 2.0 | 5 |
| 16 | Simulation of solar-induced chlorophyll fluorescence in a heterogeneous forest using 3-D radiative transfer modelling and airborne LiDAR. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 191, 1-17. | 11.1 | 7 |
| 17 | The AusPollen partnership project: Allergenic airborne grass pollen seasonality and magnitude across temperate and subtropical eastern Australia, 2016â€“2020. Environmental Research, 2022, 214, 113762. | 7.5 | 8 |
| 18 | Investigation of land surface phenology detections in shrublands using multiple scale satellite data. Remote Sensing of Environment, 2021, 252, 112133. | 11.0 | 35 |

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| 19 | Global trends in vegetation seasonality in the GIMMS NDVI3g and their robustness. International Journal of Applied Earth Observation and Geoinformation, 2021, 94, 102238. | 2.8 | 26 |
| 20 | A Pilot Forecasting System for Epidemic Thunderstorm Asthma in Southeastern Australia. Bulletin of the American Meteorological Society, 2021, 102, E399-E420. | 3.3 | 20 |
| 21 | An improved SPEI drought forecasting approach using the long short-term memory neural network. Journal of Environmental Management, 2021, 283, 111979. | 7.8 | 73 |
| 22 | Towards a remote sensing data based evapotranspiration estimation in Northern Australia using a simple random forest approach. Journal of Arid Environments, 2021, 191, 104513. | 2.4 | 22 |
| 23 | Proposing an ecologically viable and economically sound farming system using a matrix-based geo-informatics approach. Science of the Total Environment, 2021, 794, 148788. | 8.0 | 3 |
| 24 | Mangrove Phenology and Water Influences Measured with Digital Repeat Photography. Remote Sensing, 2021, 13, 307. | 4.0 | 5 |
| 25 | Monitoring Savanna Vegetation Phenology Using Advanced Himawari Imager. , 2021, , . | | 0 |
| 26 | Spatial pattern and seasonal dynamics of the photosynthesis activity across Australian rainfed croplands. Ecological Indicators, 2020, 108, 105669. | 6.3 | 5 |
| 27 | Spatio-Temporal Variation of the Urban Heat Island in Santiago, Chile during Summers 2005â€“2017. Remote Sensing, 2020, 12, 3345. | 4.0 | 18 |
| 28 | Seasonal Comparisons of Himawari-8 AHI and MODIS Vegetation Indices over Latitudinal Australian Grassland Sites. Remote Sensing, 2020, 12, 2494. | 4.0 | 11 |
| 29 | A Review on Assessing and Mapping Soil Erosion Hazard Using Geo-Informatics Technology for Farming System Management. Remote Sensing, 2020, 12, 4063. | 4.0 | 19 |
| 30 | Assessing Soil Erosion Hazards Using Land-Use Change and Landslide Frequency Ratio Method: A Case Study of Sabaragamuwa Province, Sri Lanka. Remote Sensing, 2020, 12, 1483. | 4.0 | 52 |
| 31 | Spatiotemporal partitioning of savanna plant functional type productivity along NATT. Remote Sensing of Environment, 2020, 246, 111855. | 11.0 | 19 |
| 32 | Creating New Near-Surface Air Temperature Datasets to Understand Elevation-Dependent Warming in the Tibetan Plateau. Remote Sensing, 2020, 12, 1722. | 4.0 | 12 |
| 33 | A Radiative Transfer Model for Patchy Landscapes Based on Stochastic Radiative Transfer Theory. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2571-2589. | 6.3 | 6 |
| 34 | Sun-Angle Effects on Remote-Sensing Phenology Observed and Modelled Using Himawari-8. Remote Sensing, 2020, 12, 1339. | 4.0 | 21 |
| 35 | Impacts of spatial heterogeneity patterns on long-term trends of Moderate Resolution Imaging Spectroradiometer (MODIS) land surface temperature time series. Journal of Applied Remote Sensing, 2020, 14, 1. | 1.3 | 7 |
| 36 | Effects of Tropical Forest Degradation on Amazon Forest Phenology. , 2020, , . | | 1 |

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| 37 | Enabling self-management of pollen allergies: a pre-season questionnaire evaluating the perceived benefit of providing local pollen information. Aerobiologia, 2019, 35, 777-782. | 1.7 | 13 |
| 38 | Interaction of Seasonal Sun-Angle and Savanna Phenology Observed and Modelled using MODIS. Remote Sensing, 2019, 11, 1398. | 4.0 | 23 |
| 39 | Multi-climate mode interactions drive hydrological and vegetation responses to hydroclimatic extremes in Australia. Remote Sensing of Environment, 2019, 231, 111270. | 11.0 | 31 |
| 40 | Remote sensing of the terrestrial carbon cycle: A review of advances over 50 years. Remote Sensing of Environment, 2019, 233, 111383. | 11.0 | 276 |
| 41 | Estimating the Aboveground Biomass for Planted Forests Based on Stand Age and Environmental Variables. Remote Sensing, 2019, 11, 2270. | 4.0 | 17 |
| 42 | Estimating Peanut Leaf Chlorophyll Content with Dorsiventral Leaf Adjusted Indices: Minimizing the Impact of Spectral Differences between Adaxial and Abaxial Leaf Surfaces. Remote Sensing, 2019, 11, 2148. | 4.0 | 9 |
| 43 | Urbanâ˜rural gradients reveal joint control of elevated CO2 and temperature on extended photosynthetic seasons. Nature Ecology and Evolution, 2019, 3, 1076-1085. | 7.8 | 98 |
| 44 | Effects of Light Component and Water Stress on Photosynthesis of Amazon Rainforests During the 2015/2016 El NiÃ±o Drought. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1574-1590. | 3.0 | 11 |
| 45 | Mangrove Phenology and Environmental Drivers Derived from Remote Sensing in Southern Thailand. Remote Sensing, 2019, 11, 955. | 4.0 | 23 |
| 46 | Retrieval of crop biophysical parameters from Sentinel-2 remote sensing imagery. International Journal of Applied Earth Observation and Geoinformation, 2019, 80, 187-195. | 2.8 | 98 |
| 47 | Estimation of latent heat flux using satellite land surface temperature and a variational data assimilation scheme over a eucalypt forest savanna in Northern Australia. Agricultural and Forest Meteorology, 2019, 268, 341-353. | 4.8 | 9 |
| 48 | Multi-Scale Phenology of Temperate Grasslands: Improving Monitoring and Management With Near-Surface Phenocams. Frontiers in Environmental Science, 2019, 7, . | 3.3 | 21 |
| 49 | Editorial: Building and Delivering Real-World, Integrated Sustainability Solutions: Insights, Methods and Case-Study Applications. Frontiers in Environmental Science, 2019, 7, . | 3.3 | 0 |
| 50 | Forecasting Pollen Aerobiology with Modis EVI, Land Cover, and Phenology Using Machine Learning Tools. , 2019, , . | | 4 |
| 51 | Mangrove lagoons of the Great Barrier Reef support coral populations persisting under extreme environmental conditions. Marine Ecology - Progress Series, 2019, 625, 1-14. | 1.9 | 59 |
| 52 | Image Processing and Analysis Methods. , 2019, , 631-868. | | 0 |
| 53 | Comparison of the performance of latent heat flux products over southern hemisphere forest ecosystems: estimating latent heat flux error structure using in situ measurements and the triple collocation method. International Journal of Remote Sensing, 2018, 39, 6300-6315. | 2.9 | 6 |
| 54 | Enhanced canopy growth precedes senescence in 2005 and 2010 Amazonian droughts. Remote Sensing of Environment, 2018, 211, 26-37. | 11.0 | 33 |

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| 55 | Biological processes dominate seasonality of remotely sensed canopy greenness in an Amazon evergreen forest. New Phytologist, 2018, 217, 1507-1520. | 7.3 | 66 |
| 56 | Dynamic ecological observations from satellites inform aerobiology of allergenic grass pollen. Science of the Total Environment, 2018, 633, 441-451. | 8.0 | 37 |
| 57 | Scaling up spring phenology derived from remote sensing images. Agricultural and Forest Meteorology, 2018, 256-257, 207-219. | 4.8 | 21 |
| 58 | Assessment of biophysical properties of Royal Belum tropical forest, Malaysia. Singapore Journal of Tropical Geography, 2018, 39, 90-106. | 0.9 | 10 |
| 59 | Diverse sensitivity of winter crops over the growing season to climate and land surface temperature across the rainfed cropland-belt of eastern Australia. Agriculture, Ecosystems and Environment, 2018, 254, 99-110. | 5.3 | 16 |
| 60 | Can UAV-Based Infrared Thermography Be Used to Study Plant-Parasite Interactions between Mistletoe and Eucalypt Trees?. Remote Sensing, 2018, 10, 2062. | 4.0 | 33 |
| 61 | Effects of Forest Canopy Vertical Stratification on the Estimation of Gross Primary Production by Remote Sensing. Remote Sensing, 2018, 10, 1329. | 4.0 | 14 |
| 62 | Water Loss Due to Increasing Planted Vegetation over the Badain Jaran Desert, China. Remote Sensing, 2018, 10, 134. | 4.0 | 12 |
| 63 | Satellite sunâ€induced chlorophyll fluorescence detects early response of winter wheat to heat stress in the Indian Indoâ€Gangetic Plains. Global Change Biology, 2018, 24, 4023-4037. | 9.5 | 152 |
| 64 | A 30-m landsat-derived cropland extent product of Australia and China using random forest machine learning algorithm on Google Earth Engine cloud computing platform. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 144, 325-340. | 11.1 | 316 |
| 65 | Disentangling Climate and LAI Effects on Seasonal Variability in Water Use Efficiency Across Terrestrial Ecosystems in China. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2429-2443. | 3.0 | 34 |
| 66 | The Melbourne epidemic thunderstorm asthma event 2016: an investigation of environmental triggers, effect on health services, and patient risk factors. Lancet Planetary Health, The, 2018, 2, e255-e263. | 11.4 | 169 |
| 67 | Fifty Years of Advances in Hyperspectral Remote Sensing of Agriculture and Vegetationâ€"Summary, Insights, and Highlights of Volume II. , 2018, , 251-286. | | 1 |
| 68 | Estimating Net Primary Productivity of Croplands in Indo-Gangetic Plains Using GOME-2 Sun-Induced Fluorescence and MODIS NDVI. Current Science, 2018, 114, 1333. | 0.8 | 9 |
| 69 | Grassland Phenology and Meteorology Co-Influence Grass Pollen Counts in Victoria, Australia. ISEE Conference Abstracts, 2018, 2018, . | 0.0 | 0 |
| 70 | Advances in Hyperspectral Remote Sensing of Vegetation and Agricultural Crops. , 2018, , 3-37. | | 8 |
| 71 | Hyperspectral Applications to Landscape Phenology. , 2018, , 131-144. | | 0 |
| 72 | Fifty-Years of Advances in Hyperspectral Remote Sensing of Agriculture and Vegetationâ€"Summary, Insights, and Highlights of Volume I. , 2018, , 395-436. | | 0 |

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| 73 | Spaceborne Hyperspectral EO-1 Hyperion Data Pre-Processing. , 2018, , 251-272. | | 1 |
| 74 | CO variability and its association with household cooking fuels consumption over the Indo-Gangetic Plains. Environmental Pollution, 2017, 222, 83-93. | 7.5 | 7 |
| 75 | Intercomparison and evaluation of spring phenology products using National Phenology Network and AmeriFlux observations in the contiguous United States. Agricultural and Forest Meteorology, 2017, 242, 33-46. | 4.8 | 58 |
| 76 | Responses of LAI to rainfall explain contrasting sensitivities to carbon uptake between forest and non-forest ecosystems in Australia. Scientific Reports, 2017, 7, 11720. | 3.3 | 12 |
| 77 | Scaling effects on spring phenology detections from MODIS data at multiple spatial resolutions over the contiguous United States. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 132, 185-198. | 11.1 | 58 |
| 78 | Estimation of latent heat flux over savannah vegetation across the North Australian Tropical Transect from multiple sensors and global meteorological data. Agricultural and Forest Meteorology, 2017, 232, 689-703. | 4.8 | 18 |
| 79 | Assessing the ability of MODIS EVI to estimate terrestrial ecosystem gross primary production of multiple land cover types. Ecological Indicators, 2017, 72, 153-164. | 6.3 | 59 |
| 80 | Partitioning controls on Amazon forest photosynthesis between environmental and biotic factors at hourly to interannual timescales. Global Change Biology, 2017, 23, 1240-1257. | 9.5 | 102 |
| 81 | Country-level net primary production distribution and response to drought and land cover change. Science of the Total Environment, 2017, 574, 65-77. | 8.0 | 43 |
| 82 | Optimizing the Processing of UAV-Based Thermal Imagery. Remote Sensing, 2017, 9, 476. | 4.0 | 84 |
| 83 | Annual Seasonality Extraction Using the Cubic Spline Function and Decadal Trend in Temporal Daytime MODIS LST Data. Remote Sensing, 2017, 9, 1254. | 4.0 | 34 |
| 84 | Evapotranspiration seasonality across the Amazon Basin. Earth System Dynamics, 2017, 8, 439-454. | 7.1 | 71 |
| 85 | Reviews and syntheses: Australian vegetation phenology: new insights from satellite remote sensing and digital repeat photography. Biogeosciences, 2016, 13, 5085-5102. | 3.3 | 75 |
| 86 | MODIS vegetation products as proxies of photosynthetic potential along a gradient of meteorologically and biologically driven ecosystem productivity. Biogeosciences, 2016, 13, 5587-5608. | 3.3 | 30 |
| 87 | An introduction to the Australian and New Zealand flux tower network â€“ OzFlux. Biogeosciences, 2016, 13, 5895-5916. | 3.3 | 159 |
| 88 | An Integrated Field and Remote Sensing Method for Mapping Seagrass Species, Cover, and Biomass in Southern Thailand. Remote Sensing, 2016, 8, 292. | 4.0 | 46 |
| 89 | Spectral Cross-Calibration of VIIRS Enhanced Vegetation Index with MODIS: A Case Study Using Year-Long Global Data. Remote Sensing, 2016, 8, 34. | 4.0 | 22 |
| 90 | Spatial partitioning and temporal evolution of Australia's total water storage under extreme hydroclimatic impacts. Remote Sensing of Environment, 2016, 183, 43-52. | 11.0 | 45 |

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| 91 | The importance of interacting climate modes on Australiaâ€™s contribution to global carbon cycle extremes. Scientific Reports, 2016, 6, 23113. | 3.3 | 65 |
| 92 | Mulga, a major tropical dry open forest of Australia: recent insights to carbon and water fluxes. Environmental Research Letters, 2016, 11, 125011. | 5.2 | 19 |
| 93 | Climate impacts on wheat phenology and production using mutisource data in NSW, Australia. , 2016, , . | | 0 |
| 94 | Drought rapidly diminishes the large net CO2 uptake in 2011 over semi-arid Australia. Scientific Reports, 2016, 6, 37747. | 3.3 | 83 |
| 95 | Peer review report 1 On â€œParameterizing ecosystem light use efficiency and water use efficiency to estimate maize gross primary production and evapotranspiration using MODIS EVIâ€• Agricultural and Forest Meteorology, 2016, 217, 167. | 4.8 | 0 |
| 96 | Productivity and evapotranspiration of two contrasting semiarid ecosystems following the 2011 global carbon land sink anomaly. Agricultural and Forest Meteorology, 2016, 220, 151-159. | 4.8 | 54 |
| 97 | Developing an Index for Detection and Identification of Disease Stages. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 851-855. | 3.1 | 29 |
| 98 | Spatio-temporal mapping and monitoring of Urban Heat Island patterns over Sydney, Australia using MODIS and Landsat-8. , 2016, , . | | 19 |
| 99 | A new wet reference target method for continuous infrared thermography of vegetations. Agricultural and Forest Meteorology, 2016, 226-227, 119-131. | 4.8 | 42 |
| 100 | Regional and seasonal variation in airborne grass pollen levels between cities of Australia and New Zealand. Aerobiologia, 2016, 32, 289-302. | 1.7 | 34 |
| 101 | An Iterative BRDF/NDVI Inversion Algorithm Based on <italic>A Posteriori</italic> Variance Estimation of Observation Errors. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6481-6496. | 6.3 | 12 |
| 102 | Climate and leaf phenology controls on tropical forest photosynthesis. , 2016, , . | | 0 |
| 103 | Landsat and GRACE observations of arid wetland dynamics in a dryland river system under multi-decadal hydroclimatic extremes. Journal of Hydrology, 2016, 543, 818-831. | 5.4 | 20 |
| 104 | Drought resilience of Australian rangelands under intense hydroclimatic variability. , 2016, , . | | 0 |
| 105 | Evaluating Spatial Representativeness of Station Observations for Remotely Sensed Leaf Area Index Products. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3267-3282. | 4.9 | 24 |
| 106 | A Radiative Transfer Model for Heterogeneous Agro-Forestry Scenarios. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4613-4628. | 6.3 | 27 |
| 107 | Soil moisture controls on phenology and productivity in a semi-arid critical zone. Science of the Total Environment, 2016, 568, 1227-1237. | 8.0 | 87 |
| 108 | Dry-season greening of Amazon forests. Nature, 2016, 531, E4-E5. | 27.8 | 130 |

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| 109 | Vegetation's responses to climate variability. Nature, 2016, 531, 181-182. | 27.8 | 54 |
| 110 | Leaf development and demography explain photosynthetic seasonality in Amazon evergreen forests. Science, 2016, 351, 972-976. | 12.6 | 336 |
| 111 | The Influences of Drought and Land-Cover Conversion on Inter-Annual Variation of NPP in the Three-North Shelterbelt Program Zone of China Based on MODIS Data. PLoS ONE, 2016, 11, e0158173. | 2.5 | 41 |
| 112 | Differences in grass pollen allergen exposure across Australia. Australian and New Zealand Journal of Public Health, 2015, 39, 51-55. | 1.8 | 42 |
| 113 | Terrestrial total water storage dynamics of Australia's recent dry and wet events. , 2015, , . | | 1 |
| 114 | Abrupt shifts in phenology and vegetation productivity under climate extremes. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2036-2052. | 3.0 | 149 |
| 115 | Groundwater-dependent ecosystems: recent insights from satellite and field-based studies. Hydrology and Earth System Sciences, 2015, 19, 4229-4256. | 4.9 | 116 |
| 116 | An Optimal Sampling Design for Observing and Validating Long-Term Leaf Area Index with Temporal Variations in Spatial Heterogeneities. Remote Sensing, 2015, 7, 1300-1319. | 4.0 | 29 |
| 117 | Passive microwave and optical index approaches for estimating surface conductance and evapotranspiration in forest ecosystems. Agricultural and Forest Meteorology, 2015, 213, 126-137. | 4.8 | 29 |
| 118 | Sunlight mediated seasonality in canopy structure and photosynthetic activity of Amazonian rainforests. Environmental Research Letters, 2015, 10, 064014. | 5.2 | 90 |
| 119 | Trans-disciplinary research in synthesis of grass pollen aerobiology and its importance for respiratory health in Australasia. Science of the Total Environment, 2015, 534, 85-96. | 8.0 | 38 |
| 120 | A spatially explicit land surface phenology data product for science, monitoring and natural resources management applications. Environmental Modelling and Software, 2015, 64, 191-204. | 4.5 | 67 |
| 121 | Groundwater Dependent Ecosystems. , 2015, , 460-483. | | 0 |
| 122 | Mapping Rubber Tree Stand Age using PlÃ©iades Satellite Imagery: A Case Study in Talang District, Phuket, Thailand. Engineering Journal, 2015, 19, 45-56. | 1.0 | 15 |
| 123 | Evaluating the Effect of Different Wheat Rust Disease Symptoms on Vegetation Indices Using Hyperspectral Measurements. Remote Sensing, 2014, 6, 5107-5123. | 4.0 | 93 |
| 124 | Developing Two Spectral Disease Indices for Detection of Wheat Leaf Rust (Pucciniatriticina). Remote Sensing, 2014, 6, 4723-4740. | 4.0 | 154 |
| 125 | Land surface phenological response to decadal climate variability across Australia using satellite remote sensing. Biogeosciences, 2014, 11, 5181-5198. | 3.3 | 85 |
| 126 | Scaling effects on area-averaged fraction of vegetation cover derived using a linear mixture model with two-band spectral vegetation index constraints. Journal of Applied Remote Sensing, 2014, 8, 083629. | 1.3 | 4 |

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| 127 | Reply to Magnani et al.: Linking large-scale chlorophyll fluorescence observations with cropland gross primary production. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2511. | 7.1 | 11 |
| 128 | Biophysical Applications of Satellite Remote Sensing. Springer Remote Sensing/photogrammetry, 2014, , . | 0.4 | 16 |
| 129 | Intrinsic climate dependency of ecosystem light and water-use-efficiencies across Australian biomes. Environmental Research Letters, 2014, 9, 104002. | 5.2 | 27 |
| 130 | Estimation of vegetation photosynthetic capacity from spaceâ€based measurements of chlorophyll fluorescence for terrestrial biosphere models. Global Change Biology, 2014, 20, 3727-3742. | 9.5 | 260 |
| 131 | Global and time-resolved monitoring of crop photosynthesis with chlorophyll fluorescence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1327-33. | 7.1 | 741 |
| 132 | Functional response of U.S. grasslands to the early 21stâ€century drought. Ecology, 2014, 95, 2121-2133. | 3.2 | 75 |
| 133 | Parameterization of an ecosystem light-use-efficiency model for predicting savanna GPP using MODIS EVI. Remote Sensing of Environment, 2014, 154, 253-271. | 11.0 | 56 |
| 134 | Behavior of multitemporal and multisensor passive microwave indices in Southern Hemisphere ecosystems. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 2231-2244. | 3.0 | 9 |
| 135 | Vegetation Indices. Encyclopedia of Earth Sciences Series, 2014, , 883-886. | 0.1 | 2 |
| 136 | Indices of Vegetation Activity. Springer Remote Sensing/photogrammetry, 2014, , 1-41. | 0.4 | 12 |
| 137 | The Macroecology of Airborne Pollen in Australian and New Zealand Urban Areas. PLoS ONE, 2014, 9, e97925. | 2.5 | 58 |
| 138 | Soil Properties. Encyclopedia of Earth Sciences Series, 2014, , 788-791. | 0.1 | 0 |
| 139 | Spectral Compatibility of the NDVI Across VIIRS, MODIS, and AVHRR: An Analysis of Atmospheric Effects Using EO-1 Hyperion. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1349-1359. | 6.3 | 28 |
| 140 | Spatial patterns and temporal dynamics in savanna vegetation phenology across the North Australian Tropical Transect. Remote Sensing of Environment, 2013, 139, 97-115. | 11.0 | 176 |
| 141 | Landscape context determinants to plant diversity in the permanent meadows of Southern European Alps. Biodiversity and Conservation, 2013, 22, 937-958. | 2.6 | 23 |
| 142 | Hyperspectral versus multispectral crop-productivity modeling and type discrimination for the HyspIRI mission. Remote Sensing of Environment, 2013, 139, 291-305. | 11.0 | 144 |
| 143 | Ecosystem resilience despite large-scale altered hydroclimatic conditions. Nature, 2013, 494, 349-352. | 27.8 | 450 |
| 144 | Determining crop acreage estimates for specific winter crops using shape attributes from sequential MODIS imagery. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 254-263. | 2.8 | 23 |

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| 145 | Extreme precipitation patterns and reductions of terrestrial ecosystem production across biomes. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 148-157. | 3.0 | 74 |
| 146 | Evaluation of optical remote sensing to estimate actual evapotranspiration and canopy conductance. Remote Sensing of Environment, 2013, 129, 250-261. | 11.0 | 119 |
| 147 | Derivation of a MODIS-compatible enhanced vegetation index from visible infrared imaging radiometer suite spectral reflectances using vegetation isoline equations. Journal of Applied Remote Sensing, 2013, 7, 073467. | 1.3 | 17 |
| 148 | Hyperspectral assesments of condition and species composition of Australian grasslands. , 2013, , . | | 1 |
| 149 | Approaches to establishing a metadata standard for field spectroscopy datasets. , 2013, , . | | 0 |
| 150 | Response of Spectral Reflectances and Vegetation Indices on Varying Juniper Cone Densities. Remote Sensing, 2013, 5, 5330-5345. | 4.0 | 7 |
| 151 | Spectral response of the seagrass Zostera noltii with different sediment backgrounds. Aquatic Botany, 2012, 98, 45-56. | 1.6 | 20 |
| 152 | Vegetation Indices, Remote Sensing and Forest Monitoring. Geography Compass, 2012, 6, 513-532. | 2.7 | 100 |
| 153 | Fraction images for monitoring intra-annual phenology of different vegetation physiognomies in Amazonia. International Journal of Remote Sensing, 2011, 32, 387-408. | 2.9 | 18 |
| 154 | Detection and estimation of mixed paddy rice cropping patterns with MODIS data. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 13-23. | 2.8 | 129 |
| 155 | Remote Sensing Image Classification. , 2011, , 219-240. | | 9 |
| 156 | Advances in Hyperspectral Remote Sensing of Vegetation and Agricultural Croplands. , 2011, , 3-36. | | 25 |
| 157 | Hyperspectral Remote Sensing of Vegetation and Agricultural Crops. , 2011, , 663-688. | | 34 |
| 158 | Estimating biophysical parameters of rice with remote sensing data using support vector machines. Science China Life Sciences, 2011, 54, 272-281. | 4.9 | 41 |
| 159 | Actual evapotranspiration estimation by ground and remote sensing methods: the Australian experience. Hydrological Processes, 2011, 25, 4103-4116. | 2.6 | 77 |
| 160 | Linearization of NDVI Based on its Relationship with Vegetation Fraction. Photogrammetric Engineering and Remote Sensing, 2010, 76, 965-975. | 0.6 | 30 |
| 161 | Spatial and seasonal characterization of net primary productivity and climate variables in southeastern China using MODIS data. Journal of Zhejiang University: Science B, 2010, 11, 275-285. | 2.8 | 26 |
| 162 | Vegetation Index Methods for Estimating Evapotranspiration by Remote Sensing. Surveys in Geophysics, 2010, 31, 531-555. | 4.6 | 209 |

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| 163 | Functional differences between summer and winter season rain assessed with MODIS-derived phenology in a semi-arid region. Journal of Vegetation Science, 2010, 21, 16-30. | 2.2 | 43 |
| 164 | Soil Line Influences on Two-Band Vegetation Indices and Vegetation Isolines: A Numerical Study. Remote Sensing, 2010, 2, 545-561. | 4.0 | 22 |
| 165 | Spectral compatibility of vegetation indices across sensors: band decomposition analysis with Hyperion data. Journal of Applied Remote Sensing, 2010, 4, 043520. | 1.3 | 61 |
| 166 | Assessing the response of the MODIS vegetation indices to landscape disturbance in the forested areas of the legal Brazilian Amazon. International Journal of Remote Sensing, 2010, 31, 745-759. | 2.9 | 12 |
| 167 | MODIS Vegetation Indices. Remote Sensing and Digital Image Processing, 2010, , 579-602. | 0.7 | 68 |
| 168 | Spatiotemporal trends of forest cover change in Southeast Asia. Environmental Science and Engineering, 2010, , 269-291. | 0.2 | 2 |
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