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	Overview of the radiometric and biophysical performance of the MODIS vegetation indices. Remote Sensing of Environment, 2002, 83, 195-213.	11.0	6,617
2	A soil-adjusted vegetation index (SAVI). Remote Sensing of Environment, 1988, 25, 295-309.	11.0	4,943
3	A modified soil adjusted vegetation index. Remote Sensing of Environment, 1994, 48, 119-126.	11.0	2,134
4	Monitoring vegetation phenology using MODIS. Remote Sensing of Environment, 2003, 84, 471-475.	11.0	1,948
5	A comparison of vegetation indices over a global set of TM images for EOS-MODIS. Remote Sensing of Environment, 1997, 59, 440-451.	11.0	1,364
6	Development of a two-band enhanced vegetation index without a blue band. Remote Sensing of Environment, 2008, 112, 3833-3845.	11.0	1,310
7	The Moderate Resolution Imaging Spectroradiometer (MODIS): land remote sensing for global change research. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 1228-1249.	6.3	1,178
8	A review of vegetation indices. International Journal of Remote Sensing, 1995, 13, 95-120.	1.0	1,014
9	Analysis of Cerrado Physiognomies and Conversion in the MODIS Seasonalâ€“Temporal Domain. Earth Interactions, 2005, 9, 1-22.	1.5	820
10	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
11	Spectral response of a plant canopy with different soil backgrounds. Remote Sensing of Environment, 1985, 17, 37-53.	11.0	663
12	Amazon rainforests green-up with sunlight in dry season. Geophysical Research Letters, 2006, 33, .	4.0	631
13	Development of vegetation and soil indices for MODIS-EOS. Remote Sensing of Environment, 1994, 49, 224-234.	11.0	555
14	Relationship Between Remotely-sensed Vegetation Indices, Canopy Attributes and Plant Physiological Processes: What Vegetation Indices Can and Cannot Tell Us About the Landscape. Sensors, 2008, 8, 2136-2160.	3.8	541
15	Amazon Forests Green-Up During 2005 Drought. Science, 2007, 318, 612-612.	12.6	480
16	Opticalâ€“Biophysical Relationships of Vegetation Spectra without Background Contamination. Remote Sensing of Environment, 2000, 74, 609-620.	11.0	471
17	Ecosystem resilience despite large-scale altered hydroclimatic conditions. Nature, 2013, 494, 349-352.	27.8	450
18	Analysis of NDVI and scaled difference vegetation index retrievals of vegetation fraction. Remote Sensing of Environment, 2006, 101, 366-378.	11.0	449

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19	Interpreting vegetation indices. Preventive Veterinary Medicine, 1991, 11, 185-200.	1.9	443
20	Large seasonal swings in leaf area of Amazon rainforests. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4820-4823.	7.1	376
21	Leaf development and demography explain photosynthetic seasonality in Amazon evergreen forests. Science, 2016, 351, 972-976.	12.6	336
22	A feedback based modification of the NDVI to minimize canopy background and atmospheric noise. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 457-465.	6.3	316
23	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
24	Integrating Remote Sensing and Ground Methods to Estimate Evapotranspiration. Critical Reviews in Plant Sciences, 2007, 26, 139-168.	5.7	282
25	Remote sensing of the terrestrial carbon cycle: A review of advances over 50 years. Remote Sensing of Environment, 2019, 233, 111383.	11.0	276
26	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
27	Evapotranspiration on western U.S. rivers estimated using the Enhanced Vegetation Index from MODIS and data from eddy covariance and Bowen ratio flux towers. Remote Sensing of Environment, 2005, 97, 337-351.	11.0	253
28	MODIS Vegetation Index Compositing Approach. Remote Sensing of Environment, 1999, 69, 264-280.	11.0	213
29	Vegetation Index Methods for Estimating Evapotranspiration by Remote Sensing. Surveys in Geophysics, 2010, 31, 531-555.	4.6	209
30	Predicting riparian evapotranspiration from MODIS vegetation indices and meteorological data. Remote Sensing of Environment, 2005, 94, 17-30.	11.0	208
31	Suitability of spectral indices for evaluating vegetation characteristics on arid rangelands. Remote Sensing of Environment, 1987, 23, 213-IN8.	11.0	207
32	The landâ€“atmosphere water flux in the tropics. Global Change Biology, 2009, 15, 2694-2714.	9.5	198
33	An error and sensitivity analysis of the atmospheric- and soil-correcting variants of the NDVI for the MODIS-EOS. IEEE Transactions on Geoscience and Remote Sensing, 1994, 32, 897-905.	6.3	195
34	Optical vegetation indices for monitoring terrestrial ecosystems globally. Nature Reviews Earth & Environment, 2022, 3, 477-493.	29.7	191
35	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
36	Developing a continental-scale measure of gross primary production by combining MODIS and AmeriFlux data through Support Vector Machine approach. Remote Sensing of Environment, 2007, 110, 109-122.	11.0	169

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37	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
38	A 20-year study of NDVI variability over the Northeast Region of Brazil. Journal of Arid Environments, 2006, 67, 288-307.	2.4	166
39	Analysis and optimization of the MODIS leaf area index algorithm retrievals over broadleaf forests. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1855-1865.	6.3	161
40	An introduction to the Australian and New Zealand flux tower network â€“ OzFlux. Biogeosciences, 2016, 13, 5895-5916.	3.3	159
41	Soil and atmosphere influences on the spectra of partial canopies. Remote Sensing of Environment, 1988, 25, 89-105.	11.0	157
42	Effects of standing litter on the biophysical interpretation of plant canopies with spectral indices. Remote Sensing of Environment, 1996, 55, 123-138.	11.0	154
43	Developing Two Spectral Disease Indices for Detection of Wheat Leaf Rust (Pucciniatriticina). Remote Sensing, 2014, 6, 4723-4740.	4.0	154
44	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
45	Investigation of soil influences in AVHRR red and near-infrared vegetation index imagery. International Journal of Remote Sensing, 1991, 12, 1223-1242.	2.9	151
46	Abrupt shifts in phenology and vegetation productivity under climate extremes. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2036-2052.	3.0	149
47	Hyperspectral versus multispectral crop-productivity modeling and type discrimination for the HyspIRI mission. Remote Sensing of Environment, 2013, 139, 291-305.	11.0	144
48	Leaf Area Index Estimates Using Remotely Sensed Data and BRDF Models in a Semiarid Region. Remote Sensing of Environment, 2000, 73, 18-30.	11.0	137
49	Dry-season greening of Amazon forests. Nature, 2016, 531, E4-E5.	27.8	130
50	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
51	Soil spectral effects on 4-space vegetation discrimination. Remote Sensing of Environment, 1984, 15, 155-165.	11.0	127
52	Relationship between evapotranspiration and precipitation pulses in a semiarid rangeland estimated by moisture flux towers and MODIS vegetation indices. Journal of Arid Environments, 2007, 70, 443-462.	2.4	119
53	Evaluation of optical remote sensing to estimate actual evapotranspiration and canopy conductance. Remote Sensing of Environment, 2013, 129, 250-261.	11.0	119
54	Groundwater-dependent ecosystems: recent insights from satellite and field-based studies. Hydrology and Earth System Sciences, 2015, 19, 4229-4256.	4.9	116

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55	Normalization of multidirectional red and NIR reflectances with the SAVI. Remote Sensing of Environment, 1992, 41, 143-154.	11.0	112
56	Buffelgrass (Pennisetum ciliare) land conversion and productivity in the plains of Sonora, Mexico. Biological Conservation, 2006, 127, 62-71.	4.1	105
57	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
58	Vegetation Indices, Remote Sensing and Forest Monitoring. Geography Compass, 2012, 6, 513-532.	2.7	100
59	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
60	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
61	Separation of soil-plant spectral mixtures by factor analysis. Remote Sensing of Environment, 1986, 19, 237-251.	11.0	97
62	Dependence of NDVI and SAVI on sun/sensor geometry and its effect on fAPAR relationships in Alfalfa. Remote Sensing of Environment, 1995, 51, 351-360.	11.0	97
63	Assessing the seasonal dynamics of the Brazilian Cerrado vegetation through the use of spectral vegetation indices. International Journal of Remote Sensing, 2004, 25, 1837-1860.	2.9	97
64	Seasonal landscape and spectral vegetation index dynamics in the Brazilian Cerrado: An analysis within the Large-Scale Biosphereâ€“Atmosphere Experiment in AmazÃ´nia (LBA). Remote Sensing of Environment, 2003, 87, 534-550.	11.0	96
65	An Interdisciplinary Field Study of the Energy and Water Fluxes in the Atmospheric-Biosphere System over Semiarid Rangelands: Description and Some Preliminary Results. Bulletin of the American Meteorological Society, 1991, 72, 1683-1705.	3.3	93
66	Evaluating the Effect of Different Wheat Rust Disease Symptoms on Vegetation Indices Using Hyperspectral Measurements. Remote Sensing, 2014, 6, 5107-5123.	4.0	93
67	Sunlight mediated seasonality in canopy structure and photosynthetic activity of Amazonian rainforests. Environmental Research Letters, 2015, 10, 064014.	5.2	90
68	Multiple site tower flux and remote sensing comparisons of tropical forest dynamics in Monsoon Asia. Agricultural and Forest Meteorology, 2008, 148, 748-760.	4.8	88
69	Assessment of biophysical soil properties through spectral decomposition techniques. Remote Sensing of Environment, 1991, 35, 149-159.	11.0	87
70	Leaf area index and normalized difference vegetation index as predictors of canopy characteristics and light interception by riparian species on the Lower Colorado River. Agricultural and Forest Meteorology, 2004, 125, 1-17.	4.8	87
71	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
72	Land surface phenological response to decadal climate variability across Australia using satellite remote sensing. Biogeosciences, 2014, 11, 5181-5198.	3.3	85

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73	Optimizing the Processing of UAV-Based Thermal Imagery. Remote Sensing, 2017, 9, 476.	4.0	84
74	Drought rapidly diminishes the large net CO2 uptake in 2011 over semi-arid Australia. Scientific Reports, 2016, 6, 37747.	3.3	83
75	An empirical investigation of cross-sensor relationships of NDVI and red/near-infrared reflectance using EO-1 Hyperion data. Remote Sensing of Environment, 2006, 100, 223-236.	11.0	81
76	An error and sensitivity analysis of atmospheric resistant vegetation indices derived from dark target-based atmospheric correction. Remote Sensing of Environment, 2001, 78, 284-298.	11.0	80
77	Assessment of spectral vegetation indices for riparian vegetation in the Colorado River delta, Mexico. Journal of Arid Environments, 2001, 49, 91-110.	2.4	79
78	Actual evapotranspiration estimation by ground and remote sensing methods: the Australian experience. Hydrological Processes, 2011, 25, 4103-4116.	2.6	77
79	Terrestrial Carbon Sinks for the United States Predicted from MODIS Satellite Data and Ecosystem Modeling. Earth Interactions, 2007, 11, 1-21.	1.5	75
80	Functional response of U.S. grasslands to the early 21stâ€ century drought. Ecology, 2014, 95, 2121-2133.	3.2	75
81	Reviews and syntheses: Australian vegetation phenology: new insights from satellite remote sensing and digital repeat photography. Biogeosciences, 2016, 13, 5085-5102.	3.3	75
82	Extreme precipitation patterns and reductions of terrestrial ecosystem production across biomes. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 148-157.	3.0	74
83	An improved SPEI drought forecasting approach using the long short-term memory neural network. Journal of Environmental Management, 2021, 283, 111979.	7.8	73
84	Constraining rooting depths in tropical rainforests using satellite data and ecosystem modeling for accurate simulation of gross primary production seasonality. Global Change Biology, 2007, 13, 67-77.	9.5	71
85	Evapotranspiration seasonality across the Amazon Basin. Earth System Dynamics, 2017, 8, 439-454.	7.1	71
86	Mapping paddy rice with multi-date moderate-resolution imaging spectroradiometer (MODIS) data in China. Journal of Zhejiang University: Science A, 2009, 10, 1509-1522.	2.4	70
87	Evaluation of sensor calibration uncertainties on vegetation indices for MODIS. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1399-1409.	6.3	68
88	MODIS Vegetation Indices. Remote Sensing and Digital Image Processing, 2010, , 579-602.	0.7	68
89	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
90	Biological processes dominate seasonality of remotely sensed canopy greenness in an Amazon evergreen forest. New Phytologist, 2018, 217, 1507-1520.	7.3	66

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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	Regeneration of Native Trees in the Presence of Invasive Saltcedar in the Colorado River Delta, Mexico. Conservation Biology, 2005, 19, 1842-1852.	4.7	64
93	Regeneration of native trees in response to flood releases from the United States into the delta of the Colorado River, Mexico. Journal of Arid Environments, 2001, 49, 49-64.	2.4	62
94	Spectral compatibility of vegetation indices across sensors: band decomposition analysis with Hyperion data. Journal of Applied Remote Sensing, 2010, 4, 043520.	1.3	61
95	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
96	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
97	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
98	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
99	The Macroecology of Airborne Pollen in Australian and New Zealand Urban Areas. PLoS ONE, 2014, 9, e97925.	2.5	58
100	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
101	Soilâ€Dependent Spectral Response in a Developing Plant Canopy¹. Agronomy Journal, 1987, 79, 61-68.	1.8	55
102	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
103	Vegetation's responses to climate variability. Nature, 2016, 531, 181-182.	27.8	54
104	The use of vegetation indices in forested regions: issues of linearity and saturation. , 0, , .		53
105	A multi-scale analysis of dynamic optical signals in a Southern California chaparral ecosystem: A comparison of field, AVIRIS and MODIS data. Remote Sensing of Environment, 2006, 103, 369-378.	11.0	53
106	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
107	Soil and Sun angle interactions on partial canopy spectra. International Journal of Remote Sensing, 1987, 8, 1307-1317.	2.9	51
108	Interpretation of vegetation indices derived from multi-temporal SPOT images. Remote Sensing of Environment, 1993, 44, 89-101.	11.0	50

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109	Vegetation detection through smoke-filled AVIRIS images: An assessment using MODIS band passes. Journal of Geophysical Research, 1998, 103, 32001-32011.	3.3	50
110	REMOTE SENSING FOR ENVIRONMENTAL MONITORING. , 2004, , 183-206.		50
111	Relation between ERS-1 synthetic aperture radar data and measurements of surface roughness and moisture content of rocky soils in a semiarid rangeland. Water Resources Research, 1998, 34, 1491-1498.	4.2	48
112	Multisensor comparisons and validation of modis vegetation indices at the semiarid jornada experimental range. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 2368-2381.	6.3	46
113	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
114	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
115	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
116	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
117	Differences in grass pollen allergen exposure across Australia. Australian and New Zealand Journal of Public Health, 2015, 39, 51-55.	1.8	42
118	A new wet reference target method for continuous infrared thermography of vegetations. Agricultural and Forest Meteorology, 2016, 226-227, 119-131.	4.8	42
119	Estimating biophysical parameters of rice with remote sensing data using support vector machines. Science China Life Sciences, 2011, 54, 272-281.	4.9	41
120	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
121	Analysis of Vegetation Isolines in Red-NIR Reflectance Space. Remote Sensing of Environment, 2000, 74, 313-326.	11.0	40
122	Vegetation Mapping for Change Detection on an Arid-Zone River. Environmental Monitoring and Assessment, 2005, 109, 255-274.	2.7	40
123	Land cover conversion and degradation analyses through coupled soil~plant biophysical parameters derived from hyperspectral eo-1 hyperion. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1268-1276.	6.3	39
124	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
125	Derivation of vegetation isoline equations in red-NIR reflectance space. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 838-848.	6.3	37
126	Interpretation of the modified soil-adjusted vegetation index isolines in red-NIR reflectance space. Journal of Applied Remote Sensing, 2007, 1, 013503.	1.3	37

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127	Dynamic ecological observations from satellites inform aerobiology of allergenic grass pollen. Science of the Total Environment, 2018, 633, 441-451.	8.0	37
128	Investigation of land surface phenology detections in shrublands using multiple scale satellite data. Remote Sensing of Environment, 2021, 252, 112133.	11.0	35
129	Hyperspectral Remote Sensing of Vegetation and Agricultural Crops. , 2011, , 663-688.		34
130	Regional and seasonal variation in airborne grass pollen levels between cities of Australia and New Zealand. Aerobiologia, 2016, 32, 289-302.	1.7	34
131	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
132	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
133	An operational deforestation mapping system using MODIS data and spatial context analysis. International Journal of Remote Sensing, 2007, 28, 47-62.	2.9	33
134	Performance of Three Reflectance Calibration Methods for Airborne Hyperspectral Spectrometer Data. Sensors, 2009, 9, 794-813.	3.8	33
135	Enhanced canopy growth precedes senescence in 2005 and 2010 Amazonian droughts. Remote Sensing of Environment, 2018, 211, 26-37.	11.0	33
136	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
137	Synthetic Aperture Radar (L band) and Optical Vegetation Indices for Discriminating the Brazilian Savanna Physiognomies: A Comparative Analysis. Earth Interactions, 2005, 9, 1-15.	1.5	32
138	An isoline-based translation technique of spectral vegetation index using eo-1 hyperion data. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 1363-1372.	6.3	31
139	Optical characterization of the Brazilian Savanna physiognomies for improved land cover monitoring of the cerrado biome: preliminary assessments from an airborne campaign over an LBA core site. Journal of Arid Environments, 2004, 56, 425-447.	2.4	31
140	Multi-climate mode interactions drive hydrological and vegetation responses to hydroclimatic extremes in Australia. Remote Sensing of Environment, 2019, 231, 111270.	11.0	31
141	Linearization of NDVI Based on its Relationship with Vegetation Fraction. Photogrammetric Engineering and Remote Sensing, 2010, 76, 965-975.	0.6	30
142	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
143	Shortwave radiation budget of Sahelian vegetation 1. Techniques of measurement and results during HAPEX-Sahel. Agricultural and Forest Meteorology, 1996, 79, 79-96.	4.8	29
144	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

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145	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
146	Developing an Index for Detection and Identification of Disease Stages. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 851-855.	3.1	29
147	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
148	Basin-scale solar irradiance estimates in semiarid regions using GOES 7. Water Resources Research, 1994, 30, 1375-1386.	4.2	27
149	Terrestrial carbon sinks in the Brazilian Amazon and Cerrado region predicted from MODIS satellite data and ecosystem modeling. Biogeosciences, 2009, 6, 937-945.	3.3	27
150	Intrinsic climate dependency of ecosystem light and water-use-efficiencies across Australian biomes. Environmental Research Letters, 2014, 9, 104002.	5.2	27
151	A Radiative Transfer Model for Heterogeneous Agro-Forestry Scenarios. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4613-4628.	6.3	27
152	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
153	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
154	Deconvolution of remotely sensed spectral mixtures for retrieval of LAI, fAPAR and soil brightness. Journal of Hydrology, 1997, 188-189, 697-724.	5.4	25
155	Advances in Hyperspectral Remote Sensing of Vegetation and Agricultural Croplands. , 2011, , 3-36.		25
156	Assessing the Impact of Extreme Droughts on Dryland Vegetation by Multi-Satellite Solar-Induced Chlorophyll Fluorescence. Remote Sensing, 2022, 14, 1581.	4.0	25
157	Assessment of vegetation and soil water regimes in partial canopies with optical remotely sensed data. Remote Sensing of Environment, 1990, 32, 155-167.	11.0	24
158	C- and Multiangle Ku-Band Synthetic Aperture Radar Data for Bare Soil Moisture Estimation in Agricultural Areas. Remote Sensing of Environment, 1998, 64, 77-90.	11.0	24
159	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
160	Soil Cation Leaching by â€œAcid Rainâ€•with Varying Nitrateâ€toâ€Sulfate Ratios. Journal of Environmental Quality, 1984, 13, 366-371.	2.0	23
161	Landscape context determinants to plant diversity in the permanent meadows of Southern European Alps. Biodiversity and Conservation, 2013, 22, 937-958.	2.6	23
162	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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163	Interaction of Seasonal Sun-Angle and Savanna Phenology Observed and Modelled using MODIS. Remote Sensing, 2019, 11, 1398.	4.0	23
164	Mangrove Phenology and Environmental Drivers Derived from Remote Sensing in Southern Thailand. Remote Sensing, 2019, 11, 955.	4.0	23
165	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
166	An Analysis of Angle-Based With Ratio-Based Vegetation Indices. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2506-2513.	6.3	22
167	Soil Line Influences on Two-Band Vegetation Indices and Vegetation Isolines: A Numerical Study. Remote Sensing, 2010, 2, 545-561.	4.0	22
168	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
169	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
170	Scaling up spring phenology derived from remote sensing images. Agricultural and Forest Meteorology, 2018, 256-257, 207-219.	4.8	21
171	Multi-Scale Phenology of Temperate Grasslands: Improving Monitoring and Management With Near-Surface Phenocams. Frontiers in Environmental Science, 2019, 7, .	3.3	21
172	Sun-Angle Effects on Remote-Sensing Phenology Observed and Modelled Using Himawari-8. Remote Sensing, 2020, 12, 1339.	4.0	21
173	Methodology for Bare Soil Detection and Discrimination by Landsat TM Image. The Open Remote Sensing Journal, 2009, 2, 24-35.	0.5	21
174	Spectral response of the seagrass Zostera noltii with different sediment backgrounds. Aquatic Botany, 2012, 98, 45-56.	1.6	20
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