

JosÃ© A Sobrino

List of Publications by Year in descending order

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233
papers

16,750
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22153

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124
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240
all docs

240
docs citations

240
times ranked

10415
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Satellite-derived land surface temperature: Current status and perspectives. <i>Remote Sensing of Environment</i> , 2013, 131, 14-37. | 11.0 | 1,545 |
| 2 | Land surface temperature retrieval from LANDSAT TM 5. <i>Remote Sensing of Environment</i> , 2004, 90, 434-440. | 11.0 | 1,539 |
| 3 | A generalized single-channel method for retrieving land surface temperature from remote sensing data. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 656 |
| 4 | Land Surface Temperature Retrieval Methods From Landsat-8 Thermal Infrared Sensor Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 1840-1843. | 3.1 | 621 |
| 5 | Toward remote sensing methods for land cover dynamic monitoring: Application to Morocco. <i>International Journal of Remote Sensing</i> , 2000, 21, 353-366. | 2.9 | 545 |
| 6 | Land Surface Emissivity Retrieval From Different VNIR and TIR Sensors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 316-327. | 6.3 | 518 |
| 7 | Satellite Remote Sensing of Surface Urban Heat Islands: Progress, Challenges, and Perspectives. <i>Remote Sensing</i> , 2019, 11, 48. | 4.0 | 464 |
| 8 | Revision of the Single-Channel Algorithm for Land Surface Temperature Retrieval From Landsat Thermal-Infrared Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 339-349. | 6.3 | 443 |
| 9 | Record-breaking warming and extreme drought in the Amazon rainforest during the course of El NiÃ±o 2015-2016. <i>Scientific Reports</i> , 2016, 6, 33130. | 3.3 | 413 |
| 10 | Land surface emissivity retrieval from satellite data. <i>International Journal of Remote Sensing</i> , 2013, 34, 3084-3127. | 2.9 | 406 |
| 11 | A Comparative Study of Land Surface Emissivity Retrieval from NOAA Data. <i>Remote Sensing of Environment</i> , 2001, 75, 256-266. | 11.0 | 349 |
| 12 | Atmospheric correction for land surface temperature using NOAA-11 AVHRR channels 4 and 5. <i>Remote Sensing of Environment</i> , 1991, 38, 19-34. | 11.0 | 298 |
| 13 | Multi-channel and multi-angle algorithms for estimating sea and land surface temperature with ATSR data. <i>International Journal of Remote Sensing</i> , 1996, 17, 2089-2114. | 2.9 | 295 |
| 14 | Global land surface phenology trends from GIMMS database. <i>International Journal of Remote Sensing</i> , 2009, 30, 3495-3513. | 2.9 | 237 |
| 15 | Assessing canopy PRI for water stress detection with diurnal airborne imagery. <i>Remote Sensing of Environment</i> , 2008, 112, 560-575. | 11.0 | 224 |
| 16 | On the atmospheric dependence of the split-window equation for land surface temperature. <i>International Journal of Remote Sensing</i> , 1994, 15, 105-122. | 2.9 | 221 |
| 17 | Thermal remote sensing of land surface temperature from satellites: Current status and future prospects. <i>International Journal of Remote Sensing</i> , 1995, 12, 175-224. | 1.0 | 208 |
| 18 | Improvements in the split-window technique for land surface temperature determination. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1994, 32, 243-253. | 6.3 | 205 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Changes in land surface temperatures and NDVI values over Europe between 1982 and 1999. Remote Sensing of Environment, 2006, 103, 43-55. | 11.0 | 204 |
| 20 | Comparison of cloud-reconstruction methods for time series of composite NDVI data. Remote Sensing of Environment, 2010, 114, 618-625. | 11.0 | 189 |
| 21 | Detection of water stress in an olive orchard with thermal remote sensing imagery. Agricultural and Forest Meteorology, 2006, 136, 31-44. | 4.8 | 186 |
| 22 | Surface temperature and water vapour retrieval from MODIS data. International Journal of Remote Sensing, 2003, 24, 5161-5182. | 2.9 | 163 |
| 23 | Improved land surface emissivities over agricultural areas using ASTER NDVI. Remote Sensing of Environment, 2006, 103, 474-487. | 11.0 | 156 |
| 24 | Impact of spatial resolution and satellite overpass time on evaluation of the surface urban heat island effects. Remote Sensing of Environment, 2012, 117, 50-56. | 11.0 | 154 |
| 25 | Improving the timeliness of winter wheat production forecast in the United States of America, Ukraine and China using MODIS data and NCAR Growing Degree Day information. Remote Sensing of Environment, 2015, 161, 131-148. | 11.0 | 140 |
| 26 | Significance of the remotely sensed thermal infrared measurements obtained over a citrus orchard. ISPRS Journal of Photogrammetry and Remote Sensing, 1990, 44, 343-354. | 11.1 | 135 |
| 27 | Land surface temperature retrieval from MSG1-SEVIRI data. Remote Sensing of Environment, 2004, 92, 247-254. | 11.0 | 135 |
| 28 | Comparison Between Fractional Vegetation Cover Retrievals from Vegetation Indices and Spectral Mixture Analysis: Case Study of PROBA/CHRIS Data Over an Agricultural Area. Sensors, 2009, 9, 768-793. | 3.8 | 134 |
| 29 | Angular variation of thermal infrared emissivity for some natural surfaces from experimental measurements. Applied Optics, 1999, 38, 3931. | 2.1 | 132 |
| 30 | Radiometric correction effects in Landsat multi-date/multi-sensor change detection studies. International Journal of Remote Sensing, 2006, 27, 685-704. | 2.9 | 130 |
| 31 | Application of a simple algorithm to estimate daily evapotranspiration from NOAA's AVHRR images for the Iberian Peninsula. Remote Sensing of Environment, 2007, 110, 139-148. | 11.0 | 120 |
| 32 | Pheochromocytoma-Related Cardiomyopathy. Circulation, 2006, 113, e738-9. | 1.6 | 116 |
| 33 | The Yearly Land Cover Dynamics (YLCD) method: An analysis of global vegetation from NDVI and LST parameters. Remote Sensing of Environment, 2009, 113, 329-334. | 11.0 | 115 |
| 34 | CEFLES2: the remote sensing component to quantify photosynthetic efficiency from the leaf to the region by measuring sun-induced fluorescence in the oxygen absorption bands. Biogeosciences, 2009, 6, 1181-1198. | 3.3 | 115 |
| 35 | An integrated modelling and remote sensing approach for hydrological study in arid and semi-arid regions: the SUDMED Programme. International Journal of Remote Sensing, 2008, 29, 5161-5181. | 2.9 | 109 |
| 36 | Improvements in land surface temperature retrieval from the Landsat series thermal band using water vapor and air temperature. Journal of Geophysical Research, 2009, 114, . | 3.3 | 108 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Land surface temperature derived from airborne hyperspectral scanner thermal infrared data. Remote Sensing of Environment, 2006, 102, 99-115. | 11.0 | 104 |
| 38 | Review of Thermal Infrared Applications and Requirements for Future High-Resolution Sensors. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2963-2972. | 6.3 | 104 |
| 39 | An Improved Single-Channel Method to Retrieve Land Surface Temperature from the Landsat-8 Thermal Band. Remote Sensing, 2018, 10, 431. | 4.0 | 103 |
| 40 | Determination of frosts in orange groves from NOAA-9 AVHRR data. Remote Sensing of Environment, 1989, 29, 135-146. | 11.0 | 101 |
| 41 | Split-Window Coefficients for Land Surface Temperature Retrieval From Low-Resolution Thermal Infrared Sensors. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 806-809. | 3.1 | 100 |
| 42 | A Review on Remote Sensing of Urban Heat and Cool Islands. Land, 2017, 6, 38. | 2.9 | 100 |
| 43 | A Single-Channel Algorithm for Land-Surface Temperature Retrieval From ASTER Data. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 176-179. | 3.1 | 98 |
| 44 | Error sources on the land surface temperature retrieved from thermal infrared single channel remote sensing data. International Journal of Remote Sensing, 2006, 27, 999-1014. | 2.9 | 95 |
| 45 | Retrieval of evapotranspiration over the Alpillles/ReSeDA experimental site using airborne POLDER sensor and a thermal camera. Remote Sensing of Environment, 2005, 96, 399-408. | 11.0 | 93 |
| 46 | Canopy directional emissivity: Comparison between models. Remote Sensing of Environment, 2005, 99, 304-314. | 11.0 | 88 |
| 47 | Temporal analysis of normalized difference vegetation index (NDVI) and land surface temperature (LST) parameters to detect changes in the Iberian land cover between 1981 and 2001. International Journal of Remote Sensing, 2011, 32, 2057-2068. | 2.9 | 86 |
| 48 | Evaluation of the surface urban heat island effect in the city of Madrid by thermal remote sensing. International Journal of Remote Sensing, 2013, 34, 3177-3192. | 2.9 | 84 |
| 49 | A simple algorithm to estimate evapotranspiration from DAIS data: Application to the DAISEX campaigns. Journal of Hydrology, 2005, 315, 117-125. | 5.4 | 81 |
| 50 | Atmospheric correction of optical imagery from MODIS and Reanalysis atmospheric products. Remote Sensing of Environment, 2010, 114, 2195-2210. | 11.0 | 76 |
| 51 | Thermal infrared radiance model for interpreting the directional radiometric temperature of a vegetative surface. Remote Sensing of Environment, 1990, 33, 193-199. | 11.0 | 74 |
| 52 | Accelerated Changes of Environmental Conditions on the Tibetan Plateau Caused by Climate Change. Journal of Climate, 2011, 24, 6540-6550. | 3.2 | 74 |
| 53 | Monitoring yield and fruit quality parameters in open-canopy tree crops under water stress. Implications for ASTER. Remote Sensing of Environment, 2007, 107, 455-470. | 11.0 | 73 |
| 54 | Residual errors in ASTER temperature and emissivity standard products AST08 and AST05. Remote Sensing of Environment, 2011, 115, 3681-3694. | 11.0 | 72 |

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| 55 | Single-channel and two-channel methods for land surface temperature retrieval from DAIS data and its application to the Barrax site. <i>International Journal of Remote Sensing</i> , 2004, 25, 215-230. | 2.9 | 70 |
| 56 | Accuracy of ASTER Level-2 thermal-infrared Standard Products of an agricultural area in Spain. <i>Remote Sensing of Environment</i> , 2007, 106, 146-153. | 11.0 | 69 |
| 57 | Spatial and temporal patterns of the recent warming of the Amazon forest. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5204-5215. | 3.3 | 67 |
| 58 | Evidence of Low Land Surface Thermal Infrared Emissivity in the Presence of Dry Vegetation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007, 4, 112-116. | 3.1 | 62 |
| 59 | On the relationship between the sky view factor and the land surface temperature derived by Landsat-8 images in Bari, Italy. <i>International Journal of Remote Sensing</i> , 2015, 36, 4820-4835. | 2.9 | 61 |
| 60 | Impact of the atmospheric transmittance and total water vapor content in the algorithms for estimating satellite sea surface temperatures. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1993, 31, 946-952. | 6.3 | 60 |
| 61 | Global trends in NDVI-derived parameters obtained from GIMMS data. <i>International Journal of Remote Sensing</i> , 2011, 32, 4267-4279. | 2.9 | 60 |
| 62 | A method to estimate soil moisture from Airborne Hyperspectral Scanner (AHS) and ASTER data: Application to SEN2FLEX and SEN3EXP campaigns. <i>Remote Sensing of Environment</i> , 2012, 117, 415-428. | 11.0 | 59 |
| 63 | Experimental measurements for studying angular and spectral variation of thermal infrared emissivity. <i>Applied Optics</i> , 2004, 43, 4598. | 2.1 | 58 |
| 64 | A Split-Window Algorithm for Estimating LST From Meteosat 9 Data: Test and Comparison With Data and MODIS LSTs. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 122-126. | 3.1 | 58 |
| 65 | A physical model for interpreting the land surface temperature obtained by remote sensors over incomplete canopies. <i>Remote Sensing of Environment</i> , 1992, 39, 203-211. | 11.0 | 57 |
| 66 | Emissivity mapping over urban areas using a classification-based approach: Application to the Dual-use European Security IR Experiment (DESIREX). <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012, 18, 141-147. | 2.8 | 57 |
| 67 | ENVISAT/AATSR derived land surface temperature over a heterogeneous region. <i>Remote Sensing of Environment</i> , 2007, 111, 409-422. | 11.0 | 55 |
| 68 | Theoretical split-window algorithms for determining the actual surface temperature. <i>Il Nuovo Cimento Della Societ  Italiana Di Fisica C</i> , 1993, 16, 219-236. | 0.2 | 53 |
| 69 | Feasibility of Retrieving Land-Surface Temperature From ASTER TIR Bands Using Two-Channel Algorithms: A Case Study of Agricultural Areas. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007, 4, 60-64. | 3.1 | 53 |
| 70 | The MISTIGRI thermal infrared project: scientific objectives and mission specifications. <i>International Journal of Remote Sensing</i> , 2013, 34, 3437-3466. | 2.9 | 52 |
| 71 | Thermal remote sensing in the framework of the SEN2FLEX project: field measurements, airborne data and applications. <i>International Journal of Remote Sensing</i> , 2008, 29, 4961-4991. | 2.9 | 51 |
| 72 | A Methodology for Comparing the Surface Urban Heat Island in Selected Urban Agglomerations Around the World from Sentinel-3 SLSTR Data. <i>Remote Sensing</i> , 2020, 12, 2052. | 4.0 | 50 |

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| 73 | Synergistic use of MERIS and AATSR as a proxy for estimating Land Surface Temperature from Sentinel-3 data. <i>Remote Sensing of Environment</i> , 2016, 179, 149-161. | 11.0 | 49 |
| 74 | Atmospheric water vapor content over land surfaces derived from the AVHRR data: application to the Iberian Peninsula. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1999, 37, 1425-1434. | 6.3 | 48 |
| 75 | EAGLE 2006 " Multi-purpose, multi-angle and multi-sensor in-situ and airborne campaigns over grassland and forest. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 833-845. | 4.9 | 48 |
| 76 | Minimum configuration of thermal infrared bands for land surface temperature and emissivity estimation in the context of potential future missions. <i>Remote Sensing of Environment</i> , 2014, 148, 158-167. | 11.0 | 47 |
| 77 | Land use classification from multitemporal Landsat imagery using the Yearly Land Cover Dynamics (YLCD) method. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011, 13, 711-720. | 2.8 | 45 |
| 78 | Experimental system for the study of the directional thermal emission of natural surfaces. <i>International Journal of Remote Sensing</i> , 2004, 25, 195-204. | 2.9 | 43 |
| 79 | Land surface temperature retrieval from thermal infrared data: An assessment in the context of the Surface Processes and Ecosystem Changes Through Response Analysis (SPECTRA) mission. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 43 |
| 80 | Combining afternoon and morning NOAA satellites for thermal inertia estimation: 1. Algorithm and its testing with Hydrologic Atmospheric Pilot Experiment-Sahel data. <i>Journal of Geophysical Research</i> , 1999, 104, 9445-9453. | 3.3 | 42 |
| 81 | Land surface temperature estimation from AVHRR thermal infrared measurements. <i>Remote Sensing of Environment</i> , 2002, 81, 114-128. | 11.0 | 42 |
| 82 | Surface Temperature of the Planet Earth from Satellite Data. <i>Remote Sensing</i> , 2020, 12, 218. | 4.0 | 41 |
| 83 | A methodology for obtaining the crop temperature from NOAA-9 AVHRR data. <i>International Journal of Remote Sensing</i> , 1991, 12, 2461-2475. | 2.9 | 40 |
| 84 | Soil emissivity and reflectance spectra measurements. <i>Applied Optics</i> , 2009, 48, 3664. | 2.1 | 40 |
| 85 | Impacts of the broadband albedo on actual evapotranspiration estimated by S-SEBI model over an agricultural area. <i>Remote Sensing of Environment</i> , 2014, 147, 23-42. | 11.0 | 40 |
| 86 | Analysis of directional effects on atmospheric correction. <i>Remote Sensing of Environment</i> , 2013, 128, 276-288. | 11.0 | 38 |
| 87 | Relationship between Soil Burn Severity in Forest Fires Measured In Situ and through Spectral Indices of Remote Detection. <i>Forests</i> , 2019, 10, 457. | 2.1 | 38 |
| 88 | Surface temperature retrieval from Along Track Scanning Radiometer 2 data: Algorithms and validation. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 37 |
| 89 | Land surface emissivity retrieval from airborne sensor over urban areas. <i>Remote Sensing of Environment</i> , 2012, 123, 298-305. | 11.0 | 37 |
| 90 | NOAA-AVHRR Orbital Drift Correction From Solar Zenithal Angle Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 4014-4019. | 6.3 | 36 |

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| 91 | Discriminating irrigated and rainfed olive orchards with thermal ASTER imagery and DART 3D simulation. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 962-975. | 4.8 | 36 |
| 92 | A Combined Optical-Microwave Method to Retrieve Soil Moisture Over Vegetated Areas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 1404-1413. | 6.3 | 36 |
| 93 | Temperature and Emissivity Separation From MSG/SEVIRI Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 5937-5951. | 6.3 | 36 |
| 94 | Optimizing and comparing gap-filling techniques using simulated NDVI time series from remotely sensed global data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 76, 93-111. | 2.8 | 35 |
| 95 | Quantification of land-atmosphere exchanges of water, energy and carbon dioxide in space and time over the heterogeneous Barrax site. <i>International Journal of Remote Sensing</i> , 2008, 29, 5215-5235. | 2.9 | 34 |
| 96 | Evaluation of the DART 3D model in the thermal domain using satellite/airborne imagery and ground-based measurements. <i>International Journal of Remote Sensing</i> , 2011, 32, 7453-7477. | 2.9 | 33 |
| 97 | Trend Analysis of Global MODIS-Terra Vegetation Indices and Land Surface Temperature Between 2000 and 2011. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 2139-2145. | 4.9 | 33 |
| 98 | On the use of satellite thermal data for determining evapotranspiration in partially vegetated areas. <i>International Journal of Remote Sensing</i> , 1992, 13, 2669-2682. | 2.9 | 32 |
| 99 | Combining afternoon and morning NOAA satellites for thermal inertia estimation: 2. Methodology and application. <i>Journal of Geophysical Research</i> , 1999, 104, 9455-9465. | 3.3 | 32 |
| 100 | Correcting AVHRR Long Term Data Record V3 estimated LST from orbital drift effects. <i>Remote Sensing of Environment</i> , 2012, 123, 207-219. | 11.0 | 32 |
| 101 | Daily net radiation estimated from air temperature and NOAA-AVHRR data: A case study for the Iberian Peninsula. <i>International Journal of Remote Sensing</i> , 2001, 22, 1521-1533. | 2.9 | 31 |
| 102 | A methodology to estimate forest fires burned areas and burn severity degrees using Sentinel-2 data. Application to the October 2017 fires in the Iberian Peninsula. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 95, 102243. | 2.8 | 31 |
| 103 | Phenology Estimation From Meteosat Second Generation Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1653-1659. | 4.9 | 29 |
| 104 | High Spatio- Temporal Resolution Land Surface Temperature Mission - a Copernicus Candidate Mission in Support of Agricultural Monitoring. , 2018, , . | | 29 |
| 105 | Global Atmospheric Profiles from Reanalysis Information (GAPRI): a new database for earth surface temperature retrieval. <i>International Journal of Remote Sensing</i> , 2015, 36, 5045-5060. | 2.9 | 27 |
| 106 | The Urban Heat Island Effect in the City of Valencia: A Case Study for Hot Summer Days. <i>Urban Science</i> , 2017, 1, 9. | 2.3 | 27 |
| 107 | The Indian-French Trishna Mission: Earth Observation in the Thermal Infrared with High Spatio-Temporal Resolution. , 2018, , . | | 27 |
| 108 | Surface emissivity retrieval from Digital Airborne Imaging Spectrometer data. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 24-1-ACL 24-13. | 3.3 | 26 |

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|-----|--|------|-----------|
| 109 | Land surface temperature representativeness in a heterogeneous area through a distributed energy-water balance model and remote sensing data. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 2141-2151. | 4.9 | 26 |
| 110 | Size matters: vegetation patch size and surface temperature relationship in foothills cities of northwestern Argentina. <i>Urban Ecosystems</i> , 2014, 17, 1161-1174. | 2.4 | 26 |
| 111 | LST retrieval algorithm adapted to the Amazon evergreen forests using MODIS data. <i>Remote Sensing of Environment</i> , 2018, 204, 401-411. | 11.0 | 26 |
| 112 | Intercomparison of remote-sensing based evapotranspiration algorithms over amazonian forests. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 80, 280-294. | 2.8 | 26 |
| 113 | Thermal remote sensing from Airborne Hyperspectral Scanner data in the framework of the SPARC and SEN2FLEX projects: an overview. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2031-2037. | 4.9 | 25 |
| 114 | Determination of the effective emissivity and temperature under vertical observation of a citrus orchard. Application to frost nowcasting. <i>International Journal of Remote Sensing</i> , 1988, 9, 715-727. | 2.9 | 24 |
| 115 | Water vapour retrieval from Meteosat 8/SEVIRI observations. <i>International Journal of Remote Sensing</i> , 2008, 29, 741-754. | 2.9 | 24 |
| 116 | Trends in column integrated water vapour over Europe from 1973 to 2003. <i>International Journal of Climatology</i> , 2011, 31, 1749-1757. | 3.5 | 24 |
| 117 | Spatio-temporal patterns of thermal anomalies and drought over tropical forests driven by recent extreme climatic anomalies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170300. | 4.0 | 24 |
| 118 | Accuracy of IKONOS for mapping benthic coral-reef habitats: a case study from the Puerto Morelos Reef National Park, Mexico. <i>International Journal of Remote Sensing</i> , 2013, 34, 3671-3687. | 2.9 | 23 |
| 119 | Vicarious Calibration of the Landsat 7 Thermal Infrared Band and LST Algorithm Validation of the ETM+ Instrument Using Three Global Atmospheric Profiles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1804-1811. | 6.3 | 23 |
| 120 | Retrieval of Surface Albedo on a Daily Basis: Application to MODIS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 7549-7558. | 6.3 | 22 |
| 121 | Evaluation of Terra/MODIS atmospheric profiles product (MOD07) over the Iberian Peninsula: a comparison with radiosonde stations. <i>International Journal of Digital Earth</i> , 2015, 8, 771-783. | 3.9 | 22 |
| 122 | Recent trends on glacier area retreat over the group of Nevados Caullaraju-Pastoruri (Cordillera Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 | 1.4 | 22 |
| 123 | Mass and energy flux estimates at different spatial resolutions in a heterogeneous area through a distributed energy-water balance model and remote-sensing data. <i>International Journal of Remote Sensing</i> , 2013, 34, 3208-3230. | 2.9 | 20 |
| 124 | Spatio-Temporal Variation of the Urban Heat Island in Santiago, Chile during Summers 2005-2017. <i>Remote Sensing</i> , 2020, 12, 3345. | 4.0 | 18 |
| 125 | Evaluation of the maximum evapotranspiration over the La Mancha region, Spain, using NOAA-AVHRR data. <i>International Journal of Remote Sensing</i> , 1992, 13, 939-946. | 2.9 | 17 |
| 126 | A simplified method for estimating the total water vapor content over sea surfaces using NOAA-AVHRR channels 4 and 5. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002, 40, 357-361. | 6.3 | 17 |

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| 127 | Permanent Stations for Calibration/Validation of Thermal Sensors over Spain. <i>Data</i> , 2016, 1, 10. | 2.3 | 17 |
| 128 | Evapotranspiration Estimates at High Spatial and Temporal Resolutions from an Energy-Water Balance Model and Satellite Data in the Capitanata Irrigation Consortium. <i>Remote Sensing</i> , 2020, 12, 4083. | 4.0 | 17 |
| 129 | Recent trends in solar exergy and net radiation at global scale. <i>Ecological Modelling</i> , 2012, 228, 59-65. | 2.5 | 16 |
| 130 | Analysis of the Performance of the TES Algorithm Over Urban Areas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 6989-6998. | 6.3 | 16 |
| 131 | A field method for measuring the thermal infrared emissivity. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 1993, 48, 24-31. | 11.1 | 15 |
| 132 | Emissivity spectra obtained from field and laboratory measurements using the temperature and emissivity separation algorithm. <i>Applied Optics</i> , 2006, 45, 7104. | 2.1 | 15 |
| 133 | Validation of a temperature emissivity separation hybrid method from airborne hyperspectral scanner data and ground measurements in the SEN2FLEX field campaign. <i>International Journal of Remote Sensing</i> , 2008, 29, 7251-7268. | 2.9 | 15 |
| 134 | Changes in vegetation spring dates in the second half of the twentieth century. <i>International Journal of Remote Sensing</i> , 2011, 32, 5247-5265. | 2.9 | 15 |
| 135 | Near-Real-Time Estimation of Water Vapor Column From MSG-SEVIRI Thermal Infrared Bands: Implications for Land Surface Temperature Retrieval. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4231-4237. | 6.3 | 15 |
| 136 | Digital thermal monitoring of the Amazon forest: an intercomparison of satellite and reanalysis products. <i>International Journal of Digital Earth</i> , 2016, 9, 477-498. | 3.9 | 15 |
| 137 | INDO-FRENCH HIGH-RESOLUTION THERMAL INFRARED SPACE MISSION FOR EARTH NATURAL RESOURCES ASSESSMENT AND MONITORING – CONCEPT AND DEFINITION OF TRISHNA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W6, 403-407. | 0.2 | 15 |
| 138 | Correction to “A generalized single-channel method for retrieving land surface temperature from remote sensing data” by Juan C. Jimenez-Muñoz and José A. Sobrino. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 14 |
| 139 | Surface Emissivity Retrieval From Airborne Hyperspectral Scanner Data: Insights on Atmospheric Correction and Noise Removal. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 180-184. | 3.1 | 14 |
| 140 | Exploring the Validity of the Long-Term Data Record V4 Database for Land Surface Monitoring. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3607-3614. | 4.9 | 14 |
| 141 | Estimation of sea surface temperature from SEVIRI data: algorithm testing and comparison with AVHRR products. <i>International Journal of Remote Sensing</i> , 2006, 27, 5081-5086. | 2.9 | 12 |
| 142 | Mapping wild pear trees (<i>Pyrus bourgaeana</i>) in Mediterranean forest using high-resolution QuickBird satellite imagery. <i>International Journal of Remote Sensing</i> , 2013, 34, 3376-3396. | 2.9 | 12 |
| 143 | A database for the monitoring of thermal anomalies over the Amazon forest and adjacent intertropical oceans. <i>Scientific Data</i> , 2015, 2, 150024. | 5.3 | 12 |
| 144 | Multi-Resolution Study of Thermal Unmixing Techniques over Madrid Urban Area: Case Study of TRISHNA Mission. <i>Remote Sensing</i> , 2019, 11, 1251. | 4.0 | 12 |

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