# Leonardo F Peres

List of Publications by Year
in descending order



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|---|---|---|---|
| 37 papers | 1,043 citations | 516710 16 h-index | 414414 32 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 1405 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Emissivity maps to retrieve land-surface temperature from MSG/SEVIRI. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1834-1844. | 6.3 | 120 |
| 2 | Contrasting patterns of the extreme drought episodes of 2005, 2010 and 2015 in the Amazon Basin. International Journal of Climatology, 2018, 38, 1096-1104. | 3.5 | 112 |
| 3 | Thermal Land Surface Emissivity Retrieved From SEVIRI/Meteosat. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 307-315. | 6.3 | 99 |
| 4 | Land surface temperature and emissivity estimation based on the two-temperature method: sensitivity analysis using simulated MSG/SEVIRI data. Remote Sensing of Environment, 2004, 91, 377-389. | 11.0 | 90 |
| 5 | Rescue Brazilâ€™s burning Pantanal wetlands. Nature, 2020, 588, 217-219. | 27.8 | 86 |
| 6 | The urban heat island in Rio de Janeiro, Brazil, in the last 30 years using remote sensing data. International Journal of Applied Earth Observation and Geoinformation, 2018, 64, 104-116. | 2.8 | 83 |
| 7 | Thermal remote sensing in the framework of the SEN2FLEX project: field measurements, airborne data and applications. International Journal of Remote Sensing, 2008, 29, 4961-4991. | 2.9 | 51 |
| 8 | Twenty-first century droughts have not increasingly exacerbated fire season severity in the Brazilian Amazon. Scientific Reports, 2021, 11, 4400. | 3.3 | 36 |
| 9 | How well do global burned area products represent fire patterns in the Brazilian Savannas biome? An accuracy assessment of the MCD64 collections. International Journal of Applied Earth Observation and Geoinformation, 2019, 78, 318-331. | 2.8 | 35 |
| 10 | Retrieving middle-infrared reflectance for burned area mapping in tropical environments using MODIS. Remote Sensing of Environment, 2010, 114, 831-843. | 11.0 | 33 |
| 11 | Urban climate and clues of heat island events in the metropolitan area of Rio de Janeiro. Theoretical and Applied Climatology, 2013, 111, 497-511. | 2.8 | 32 |
| 12 | Droughts Over Amazonia in 2005, 2010, and 2015: A Cloud Cover Perspective. Frontiers in Earth Science, 2018, 6, . | 1.8 | 30 |
| 13 | Characterizing the atmospheric conditions during the 2010 heatwave in Rio de Janeiro marked by excessive mortality rates. Science of the Total Environment, 2019, 650, 796-808. | 8.0 | 28 |
| 14 | On a new coordinate system for improved discrimination of vegetation and burned areas using MIR/NIR information. Remote Sensing of Environment, 2011, 115, 1464-1477. | 11.0 | 25 |
| 15 | Putting fire on the map of Brazilian savanna ecoregions. Journal of Environmental Management, 2021, 296, 113098. | 7.8 | 22 |
| 16 | Assessing VIIRS capabilities to improve burned area mapping over the Brazilian Cerrado. International Journal of Remote Sensing, 2020, 41, 8300-8327. | 2.9 | 18 |
| 17 | Validation of a temperature emissivity separation hybrid method from airborne hyperspectral scanner data and ground measurements in the SEN2FLEX field campaign. International Journal of Remote Sensing, 2008, 29, 7251-7268. | 2.9 | 15 |
| 18 | Heat-related mortality at the beginning of the twenty-first century in Rio de Janeiro, Brazil. International Journal of Biometeorology, 2020, 64, 1319-1332. | 3.0 | 15 |

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|---|---|---|---|
| 19 | Drought Resilience Debt Drives NPP Decline in the Amazon Forest. Global Biogeochemical Cycles, 2021, 35, e2021GB007004. | 4.9 | 12 |
| 20 | Analyses of the Positive Bias of Remotely Sensed SST Retrievals in the Coastal Waters of Rio de Janeiro. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6344-6353. | 6.3 | 11 |
| 21 | Inverse Problems Theory and Application: Analysis of the Two-Temperature Method for Land-Surface Temperature and Emissivity Estimation. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 206-210. | 3.1 | 10 |
| 22 | Synergistic use of the two-temperature and split-window methods for land-surface temperature retrieval. International Journal of Remote Sensing, 2010, 31, 4387-4409. | 2.9 | 10 |
| 23 | IdentificaÃ§Ã£o de ilhas de calor na Ã¡rea urbana de Ilha Solteira - SP atravÃ©s da utilizaÃ§Ã£o de geotecnologias. Engenharia Agricola, 2010, 30, 974-985. | 0.7 | 9 |
| 24 | Urbanization-induced impacts on heat-energy fluxes in tropical South America from 1984 to 2020: The Metropolitan Area of Rio de Janeiro/Brazil. Building and Environment, 2022, 216, 109008. | 6.9 | 9 |
| 25 | Improving Two-Temperature Method Retrievals Based on a Nonlinear Optimization Approach. IEEE Geoscience and Remote Sensing Letters, 2006, 3, 232-236. | 3.1 | 8 |
| 26 | Retrieving Middle-Infrared Reflectance Using Physical and Empirical Approaches: Implications for Burned Area Monitoring. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 281-294. | 6.3 | 7 |
| 27 | Burned Area Mapping on Conservation Units of Mountains Region of Rio de Janeiro Using Landsat-8 Data During the 2014 Drought. Anuario Do Instituto De Geociencias, 2018, 41, 318-327. | 0.2 | 7 |
| 28 | A Fire-Risk-Breakdown System for Electrical Power Lines in the North of Brazil. Journal of Applied Meteorology and Climatology, 2014, 53, 813-823. | 1.5 | 6 |
| 29 | Climatic Characterization of Heat Waves in Brazil. Anuario Do Instituto De Geociencias, 2018, 41, 333-350. | 0.2 | 6 |
| 30 | Assigning dates and identifying areas affected by fires in Portugal based on MODIS data. Anais Da Academia Brasileira De Ciencias, 2017, 89, 1487-1501. | 0.8 | 4 |
| 31 | Removal of the MCSST MODIS SST Bias During Upwelling Events Along the Southeastern Coast of Brazil. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3566-3573. | 6.3 | 4 |
| 32 | Study of Heat Islands in The Metropolitan Area of Rio de Janeiro Using Data from MODIS. Anuario Do Instituto De Geociencias, 2014, 37, 111. | 0.2 | 4 |
| 33 | Land-Surface Emissivity Retrieval in MSGâ€“SEVIRI TIR Channels Using MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5587-5600. | 6.3 | 3 |
| 34 | A Study of the Phenomenon of Urban Heat Island in Rio de Janeiro Metropolitan Region. Anuario Do Instituto De Geociencias, 2014, 37, 180. | 0.2 | 2 |
| 35 | Meteorological Characteristics of the Synoptic and Meseoscale Environment Associated with the Tornado Event in the City of XanxerÃª â€“ SC, April, 2015. Anuario Do Instituto De Geociencias, 2018, 40, 131-138. | 0.2 | 1 |
| 36 | Evaluation of the Error of Sea Surface Temperature Estimate Algorithms, Using MODIS Data During Upwelling Events in Cabo Frio Coast, RJ. Anuario Do Instituto De Geociencias, 2018, 41, 31-40. | 0.2 | 0 |

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|---|---|---|---|
| 37 | Spatial Transformations and Impacts on the Land-Surface Temperature in the Rio de Janeiro Petrochemical Complex (COMPERJ) Area. Anuario Do Instituto De Geociencias, 2018, 41, 438-447. | 0.2 | 0 |