

Wenze Yang

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,869
citations

331670

21
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

3874
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Amazon rainforests green-up with sunlight in dry season. <i>Geophysical Research Letters</i> , 2006, 33, . | 4.0 | 631 |
| 2 | Large seasonal swings in leaf area of Amazon rainforests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4820-4823. | 7.1 | 376 |
| 3 | MODIS leaf area index products: from validation to algorithm improvement. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 1885-1898. | 6.3 | 291 |
| 4 | The impact of gridding artifacts on the local spatial properties of MODIS data: Implications for validation, compositing, and band-to-band registration across resolutions. <i>Remote Sensing of Environment</i> , 2006, 105, 98-114. | 11.0 | 243 |
| 5 | The fourth phase of the radiative transfer model intercomparison (RAMI) exercise: Actual canopy scenarios and conformity testing. <i>Remote Sensing of Environment</i> , 2015, 169, 418-437. | 11.0 | 170 |
| 6 | Analysis and optimization of the MODIS leaf area index algorithm retrievals over broadleaf forests. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 1855-1865. | 6.3 | 161 |
| 7 | Analysis of leaf area index products from combination of MODIS Terra and Aqua data. <i>Remote Sensing of Environment</i> , 2006, 104, 297-312. | 11.0 | 147 |
| 8 | Analysis of leaf area index and fraction of PAR absorbed by vegetation products from the terra MODIS sensor: 2000-2005. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 1829-1842. | 6.3 | 140 |
| 9 | Drought and food security prediction from NOAA new generation of operational satellites. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 651-666. | 4.3 | 122 |
| 10 | Physically based vertical vegetation structure retrieval from ICESat data: Validation using LVIS in White Mountain National Forest, New Hampshire, USA. <i>Remote Sensing of Environment</i> , 2011, 115, 2776-2785. | 11.0 | 84 |
| 11 | Assessment of the impacts of surface topography, off-nadir pointing and vegetation structure on vegetation lidar waveforms using an extended geometric optical and radiative transfer model. <i>Remote Sensing of Environment</i> , 2011, 115, 2810-2822. | 11.0 | 67 |
| 12 | A clumped-foliage canopy radiative transfer model for a global dynamic terrestrial ecosystem model. I: Theory. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 881-894. | 4.8 | 60 |
| 13 | Assessment of the broadleaf crops leaf area index product from the Terra MODIS instrument. <i>Agricultural and Forest Meteorology</i> , 2005, 135, 124-134. | 4.8 | 42 |
| 14 | Analysis of the MISR LAI/FPAR product for spatial and temporal coverage, accuracy and consistency. <i>Remote Sensing of Environment</i> , 2007, 107, 334-347. | 11.0 | 41 |
| 15 | The importance of measurement errors for deriving accurate reference leaf area index maps for validation of moderate-resolution satellite LAI products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 1866-1871. | 6.3 | 38 |
| 16 | Spectrally resolved fluxes derived from collocated AIRS and CERES measurements and their application in model evaluation: Clear sky over the tropical oceans. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 37 |
| 17 | SNPP/VIIIRS vegetation health to assess 500 California drought. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 1383-1395. | 4.3 | 37 |
| 18 | A clumped-foliage canopy radiative transfer model for a Global Dynamic Terrestrial Ecosystem Model II: Comparison to measurements. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 895-907. | 4.8 | 35 |

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|----|--|------|-----------|
| 19 | The CrIMSS EDR Algorithm: Characterization, Optimization, and Validation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4953-4977. | 3.3 | 31 |
| 20 | Satellite Climate Data Records: Development, Applications, and Societal Benefits. <i>Remote Sensing</i> , 2016, 8, 331. | 4.0 | 26 |
| 21 | Spectrally resolved fluxes derived from collocated AIRS and CERES measurements and their application in model evaluation: 2. Cloudy sky and bandâ€byâ€band cloud radiative forcing over the tropical oceans. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 23 |
| 22 | Near 40-year drought trend during 1981-2019 earth warming and food security. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 469-490. | 4.3 | 21 |
| 23 | Validating modeled lidar waveforms in forest canopies with airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2018, 204, 229-243. | 11.0 | 18 |
| 24 | Cross-Scan Asymmetry of AMSU-A Window Channels: Characterization, Correction, and Verification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 1514-1530. | 6.3 | 11 |
| 25 | An Ongoing Blended Long-Term Vegetation Health Product for Monitoring Global Food Security. <i>Agronomy</i> , 2020, 10, 1936. | 3.0 | 5 |
| 26 | VIIRS-based high resolution spectral vegetation indices for quantitative assessment of vegetation health: second version. <i>International Journal of Remote Sensing</i> , 2018, 39, 7417-7436. | 2.9 | 4 |
| 27 | A novel re-compositing approach to create continuous and consistent cross-sensor/cross-production global NDVI datasets. <i>International Journal of Remote Sensing</i> , 2021, 42, 6023-6047. | 2.9 | 4 |
| 28 | Quantifying Convective Weather Impacts to Airspace Capacity: Framework and Preliminary Results. <i>Journal of Air Transportation</i> , 2021, 29, 42-55. | 1.5 | 3 |
| 29 | Inter-Calibration of AMSU-A Window Channels. <i>Remote Sensing</i> , 2020, 12, 2988. | 4.0 | 1 |