

# Qingyuan Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,610  
citations

361413

20  
h-index

552781

26  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2906  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Satellite-based modeling of gross primary production in an evergreen needleleaf forest. Remote Sensing of Environment, 2004, 89, 519-534.  | 11.0 | 682       |
| 2  | Satellite-based modeling of gross primary production in a seasonally moist tropical evergreen forest. Remote Sensing of Environment, 2005, 94, 105-122.  | 11.0 | 242       |
| 3  | Estimating light absorption by chlorophyll, leaf and canopy in a deciduous broadleaf forest using MODIS data and a radiative transfer model. Remote Sensing of Environment, 2005, 99, 357-371.   | 11.0 | 189       |
| 4  | Detecting leaf phenology of seasonally moist tropical forests in South America with multi-temporal MODIS images. Remote Sensing of Environment, 2006, 103, 465-473.  | 11.0 | 179       |
| 5  | MODELING GROSS PRIMARY PRODUCTION OF AN EVERGREEN NEEDLELEAF FOREST USING MODIS AND CLIMATE DATA. , 2005, 15, 954-969.   |      | 177       |
| 6  | Sensitivity of vegetation indices to atmospheric aerosols: continental-scale observations in Northern Asia. Remote Sensing of Environment, 2003, 84, 385-392.  | 11.0 | 153       |
| 7  | NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. Remote Sensing of Environment, 2021, 257, 112349.   | 11.0 | 148       |
| 8  | Land cover characterization of Temperate East Asia using multi-temporal VEGETATION sensor data. Remote Sensing of Environment, 2004, 90, 477-489.  | 11.0 | 125       |
| 9  | Can a satellite-derived estimate of the fraction of PAR absorbed by chlorophyll (FAPARchl) improve predictions of light-use efficiency and ecosystem photosynthesis for a boreal aspen forest?. Remote Sensing of Environment, 2009, 113, 880-888. | 11.0 | 102       |
| 10 | Integrating Solar Induced Fluorescence and the Photochemical Reflectance Index for Estimating Gross Primary Production in a Cornfield. Remote Sensing, 2013, 5, 6857-6879.   | 4.0  | 85        |
| 11 | Monitoring interannual variation in global crop yield using long-term AVHRR and MODIS observations. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 191-205.  | 11.1 | 75        |
| 12 | Characterization of seasonal variation of forest canopy in a temperate deciduous broadleaf forest, using daily MODIS data. Remote Sensing of Environment, 2006, 105, 189-203.  | 11.0 | 69        |
| 13 | Estimation of crop gross primary production (GPP): fAPARchl versus MOD15A2 FPAR. Remote Sensing of Environment, 2014, 153, 1-6.  | 11.0 | 58        |
| 14 | Impacts of light use efficiency and fPAR parameterization on gross primary production modeling. Agricultural and Forest Meteorology, 2014, 189-190, 187-197.   | 4.8  | 58        |
| 15 | Using EO-1 Hyperion to Simulate HypsIRI Products for a Coniferous Forest: The Fraction of PAR Absorbed by Chlorophyll $fAPAR_{chl}$ and Leaf Water Content (LWC). IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1844-1852.         | 6.3  | 36        |
| 16 | Estimation of crop gross primary production (GPP): I. impact of MODIS observation footprint and impact of vegetation BRDF characteristics. Agricultural and Forest Meteorology, 2014, 191, 51-63.  | 4.8  | 35        |
| 17 | Estimation of crop gross primary production (GPP): II. Do scaled MODIS vegetation indices improve performance?. Agricultural and Forest Meteorology, 2015, 200, 1-8.   | 4.8  | 31        |
| 18 | The photochemical reflectance index from directional cornfield reflectances: Observations and simulations. Remote Sensing of Environment, 2012, 124, 444-453.  | 11.0 | 29        |

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|----|---|------|-----------|
| 19 | Variations of Foliage Chlorophyll fAPAR and Foliage Non-Chlorophyll fAPAR (fAPAR <sub>chl</sub> ), Tj ETQq1 1 0.784314 rgBT /Overlock 10<br>Applied Earth Observations and Remote Sensing, 2013, 6, 2254-2264.              | 4.9  | 27        |
| 20 | The 2013 FLEXâ€”US Airborne Campaign at the Parker Tract Loblolly Pine Plantation in North Carolina, USA. Remote Sensing, 2017, 9, 612.   | 4.0  | 27        |
| 21 | Integrating chlorophyll fAPAR and nadir photochemical reflectance index from EO-1/Hyperion to predict cornfield daily gross primary production. Remote Sensing of Environment, 2016, 186, 311-321.                          | 11.0 | 22        |
| 22 | Utilizing in situ directional hyperspectral measurements to validate bio-indicator simulations for a corn crop canopy. Ecological Informatics, 2010, 5, 330-338.  | 5.2  | 19        |
| 23 | EO-1 Data Quality and Sensor Stability with Changing Orbital Precession at the End of a 16 Year Mission. Remote Sensing, 2017, 9, 412.  | 4.0  | 17        |
| 24 | Evaluating impacts of snow, surface water, soil and vegetation on empirical vegetation and snow indices for the UtqiaÅvik tundra ecosystem in Alaska with the LVS3 model. Remote Sensing of Environment, 2020, 240, 111677. | 11.0 | 12        |
| 25 | Using EO-1 Hyperion images to prototype environmental products for HypsIRI. , 2010, , .   |      | 4         |
| 26 | Canopy level Chlorophyll Fluorescence and the PRI in a cornfield. , 2012, , .   |      | 3         |
| 27 | Spectral bio-indicator simulations for tracking photosynthetic activities in a corn field. Proceedings of SPIE, 2011, , .   | 0.8  | 2         |
| 28 | Characterization of a seasonally snow-covered evergreen forest ecosystem. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102464.   | 2.8  | 2         |
| 29 | Introduction to fraction of absorbed par by canopy chlorophyll (fAPAR&lt;inf&gt;chl&lt;/inf&gt;) and canopy leaf water content derived from hyperion, simulated HypsIRI and MODIS images. , 2010, , .                       |      | 1         |
| 30 | <title>High-resolution image to correct evapotranspiration of NOAA image</title>. , 2000, 4203, 21.   |      | 0         |
| 31 | <title>Analysis of vegetation green wave change in China using NOAA AVHRR data sets</title>. , 2000, , .  |      | 0         |
| 32 | <title>Cereal production assessment for North Korea</title>. , 2000, 4203, 143.   |      | 0         |
| 33 | Study on method of extracting winter wheat area planted based on spectral features using Terra/MODIS. , 2005, 6043, 14.   |      | 0         |
| 34 | Comparisons between in Situ Anisotropic Reflectance Measurements and Simulations for Vegetation Canopies: Validation and Sensitivity Analysis. , 2008, , .  |      | 0         |
| 35 | Applications using EO-1 hyperion AT-sensor and surface reflectance: comparisons and case studies. , 2010, , .   |      | 0         |
| 36 | Assessment of terrestrial vegetation dynamics from MODIS fAPAR&lt;inf&gt;chl&lt;/inf&gt; product and land surface model. , 2016, , .  |      | 0         |

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|----|---|----|-----------|
| 37 | Preliminary fAPAR&lt;inf&gt;chl&lt;/inf&gt; products from MODIS and hyperion. , 2016, , . |    | 0         |
| 38 | Land cover classification with MODIS data in China. , 2009, , .                           |    | 0         |