

Richard Blakeslee

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,807
citations

109137

35
h-index

138251

58
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62
all docs

62
docs citations

62
times ranked

3410
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Spectral Observations of Optical Emissions Associated With Terrestrial Gamma-Ray Flashes. Geophysical Research Letters, 2021, 48, 2020GL090700. | 1.5 | 24 |
| 2 | Observations of Lightning NO _x Production From GOES-R Post Launch Test Field Campaign Flights. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033769. | 1.2 | 9 |
| 3 | Three Years of the Lightning Imaging Sensor Onboard the International Space Station: Expanded Global Coverage and Enhanced Applications. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032918. | 1.2 | 65 |
| 4 | Concurrent satellite and ground-based lightning observations from the Optical Lightning Imaging Sensor (ISS-LIS), the low-frequency network Meteorage and the SAETTA Lightning Mapping Array (LMA) in the northwestern Mediterranean region. Atmospheric Measurement Techniques, 2020, 13, 853-875. | 1.2 | 16 |
| 5 | New World Meteorological Organization Certified Megaflash Lightning Extremes for Flash Distance (709 km) and Duration (16.73 s) Recorded From Space. Geophysical Research Letters, 2020, 47, e2020GL088888. | 1.5 | 29 |
| 6 | The RELAMPAGO Lightning Mapping Array: Overview and Initial Comparison with the Geostationary Lightning Mapper. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1457-1475. | 0.5 | 21 |
| 7 | C-band Dual-Polarization Radar Signatures of Wet Downbursts around Cape Canaveral, Florida. Weather and Forecasting, 2019, 34, 103-131. | 0.5 | 2 |
| 8 | Gamma Ray Glow Observations at 20-km Altitude. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7236-7254. | 1.2 | 30 |
| 9 | A Random Forest Method to Forecast Downbursts Based on Dual-Polarization Radar Signatures. Remote Sensing, 2019, 11, 826. | 1.8 | 11 |
| 10 | Electrification life cycle of incipient thunderstorms. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4670-4697. | 1.2 | 24 |
| 11 | Kinematic and Microphysical Significance of Lightning Jumps versus Nonjump Increases in Total Flash Rate. Weather and Forecasting, 2017, 32, 275-288. | 0.5 | 45 |
| 12 | Characterizing the GOES-R (GOES-16) Geostationary Lightning Mapper (GLM) on-orbit performance. , 2017, , . | | 3 |
| 13 | Ground detection of terrestrial gamma ray flashes from distant radio signals. Geophysical Research Letters, 2016, 43, 8728-8734. | 1.5 | 41 |
| 14 | Where Are the Lightning Hotspots on Earth?. Bulletin of the American Meteorological Society, 2016, 97, 2051-2068. | 1.7 | 231 |
| 15 | TRMM LIS Climatology of Thunderstorm Occurrence and Conditional Lightning Flash Rates*. Journal of Climate, 2015, 28, 6536-6547. | 1.2 | 62 |
| 16 | Insight into the Kinematic and Microphysical Processes that Control Lightning Jumps. Weather and Forecasting, 2015, 30, 1591-1621. | 0.5 | 72 |
| 17 | Variability of CONUS Lightning in 2003-12 and Associated Impacts. Journal of Applied Meteorology and Climatology, 2015, 54, 15-41. | 0.6 | 44 |
| 18 | Understanding the Relationships between Lightning, Cloud Microphysics, and Airborne Radar-Derived Storm Structure during Hurricane Karl (2010). Monthly Weather Review, 2014, 142, 590-605. | 0.5 | 32 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | The Chuva Project: How Does Convection Vary across Brazil?. Bulletin of the American Meteorological Society, 2014, 95, 1365-1380. | 1.7 | 100 |
| 20 | Seasonal variations in the lightning diurnal cycle and implications for the global electric circuit. Atmospheric Research, 2014, 135-136, 228-243. | 1.8 | 86 |
| 21 | Gridded lightning climatology from TRMM-LIS and OTD: Dataset description. Atmospheric Research, 2014, 135-136, 404-414. | 1.8 | 405 |
| 22 | Lightning activity following the return stroke. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8329-8339. | 1.2 | 2 |
| 23 | High-speed video and electromagnetic analysis of two natural bipolar cloud-to-ground lightning flashes. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6105-6127. | 1.2 | 28 |
| 24 | The GOES-R Geostationary Lightning Mapper (GLM). Atmospheric Research, 2013, 125-126, 34-49. | 1.8 | 342 |
| 25 | CHASER: An Innovative Satellite Mission Concept to Measure the Effects of Aerosols on Clouds and Climate. Bulletin of the American Meteorological Society, 2013, 94, 685-694. | 1.7 | 15 |
| 26 | Coordinated observations of sprites and in-cloud lightning flash structure. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6607-6632. | 1.2 | 73 |
| 27 | Lightning morphology and impulse charge moment change of high peak current negative strokes. Journal of Geophysical Research, 2012, 117, . | 3.3 | 55 |
| 28 | Global electric circuit implications of combined aircraft storm electric current measurements and satellite-based diurnal lightning statistics. Journal of Geophysical Research, 2011, 116, . | 3.3 | 85 |
| 29 | The rarity of terrestrial gamma-ray flashes. Geophysical Research Letters, 2011, 38, n/a-n/a. | 1.5 | 42 |
| 30 | A terrestrial gamma ray flash observed from an aircraft. Journal of Geophysical Research, 2011, 116, . | 3.3 | 54 |
| 31 | Detailed observations of lightning flashes and processes associated with terrestrial gamma ray flashes. , 2011, , . | | 0 |
| 32 | Utilizing Total Lightning Information to Diagnose Convective Trends. Bulletin of the American Meteorological Society, 2010, 91, 167-176. | 1.7 | 42 |
| 33 | Lightning-generated NO _x seen by the Ozone Monitoring Instrument during NASA's Tropical Composition, Cloud and Climate Coupling Experiment (TC ⁴). Journal of Geophysical Research, 2010, 115, . | 3.3 | 65 |
| 34 | Lightning mapping observation of a terrestrial gamma-ray flash. Geophysical Research Letters, 2010, 37, . | 1.5 | 123 |
| 35 | Comparisons of total currents based on storm location, polarity, and flash rates derived from high-altitude aircraft overflights. Journal of Geophysical Research, 2010, 115, . | 3.3 | 46 |
| 36 | Charge transfer and in-cloud structure of large-charge-moment positive lightning strokes in a mesoscale convective system. Geophysical Research Letters, 2009, 36, . | 1.5 | 68 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Electric fields, conductivity, and estimated currents from aircraft overflights of electrified clouds. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 47 |
| 38 | Global lightning activity from the ENSO perspective. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 41 |
| 39 | A Low-Noise, Microprocessor-Controlled, Internally Digitizing Rotating-Vane Electric Field Mill for Airborne Platforms. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 1245-1255. | 0.5 | 36 |
| 40 | Performance assessment of the Optical Transient Detector and Lightning Imaging Sensor. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 153 |
| 41 | Radiation impedance over a thunderstorm. <i>Radio Science</i> , 2006, 41, n/a-n/a. | 0.8 | 5 |
| 42 | Intraseasonal Forcing of Convection and Lightning Activity in the Southern Amazon as a Function of Cross-Equatorial Flow. <i>Journal of Climate</i> , 2006, 19, 3180-3196. | 1.2 | 28 |
| 43 | Classification of Tropical Oceanic Precipitation using High-Altitude Aircraft Microwave and Electric Field Measurements. <i>Journals of the Atmospheric Sciences</i> , 2006, 63, 218-233. | 0.6 | 17 |
| 44 | North Alabama Lightning Mapping Array (LMA): VHF Source Retrieval Algorithm and Error Analyses. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 543-558. | 0.5 | 106 |
| 45 | Global frequency and distribution of lightning as observed from space by the Optical Transient Detector. <i>Journal of Geophysical Research</i> , 2003, 108, ACL 4-1. | 3.3 | 1,090 |
| 46 | Performance Assessment of the Optical Transient Detector and Lightning Imaging Sensor. Part I: Predicted Diurnal Variability. <i>Journal of Atmospheric and Oceanic Technology</i> , 2002, 19, 1318-1332. | 0.5 | 205 |
| 47 | TRMM Observations of Intraseasonal Variability in Convective Regimes over the Amazon. <i>Journal of Climate</i> , 2002, 15, 1278-1294. | 1.2 | 105 |
| 48 | The Altus Cumulus Electrification Study (ACES): A UAV-Based Science Demonstration. , 2002, , . | | 10 |
| 49 | Data Retrieval Algorithms for Validating the Optical Transient Detector and the Lightning Imaging Sensor. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 279-297. | 0.5 | 11 |
| 50 | Comment on "Current budget of the atmospheric electric global circuit" by Heinz W. Kasemir. <i>Journal of Geophysical Research</i> , 1996, 101, 17037-17040. | 3.3 | 4 |
| 51 | Observations of lightning in the stratosphere. <i>Journal of Geophysical Research</i> , 1995, 100, 1465-1475. | 3.3 | 108 |
| 52 | Time-averaged current analysis of a thunderstorm using ground-based measurements. <i>Journal of Geophysical Research</i> , 1994, 99, 10653. | 3.3 | 16 |
| 53 | Diffusion model for lightning radiative transfer. <i>Journal of Geophysical Research</i> , 1994, 99, 14361. | 3.3 | 57 |
| 54 | A modeling study of the time-averaged electric currents in the vicinity of isolated thunderstorms. <i>Journal of Geophysical Research</i> , 1992, 97, 11535-11551. | 3.3 | 37 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Ground level measurements of air conductivities under Florida thunderstorms. Journal of Geophysical Research, 1992, 97, 12947-12951. | 3.3 | 7 |
| 56 | A Cloud-to-Space Lightning as Recorded by the Space Shuttle Payload-Bay TV Cameras. Monthly Weather Review, 1992, 120, 1459-1461. | 0.5 | 65 |
| 57 | Electrical measurements over thunderstorms. Journal of Geophysical Research, 1989, 94, 13135-13140. | 3.3 | 92 |
| 58 | The detection of lightning from geostationary orbit. Journal of Geophysical Research, 1989, 94, 13329-13337. | 3.3 | 142 |
| 59 | Cyclone-Scale Forcing of Ultralong Waves. Journals of the Atmospheric Sciences, 1979, 36, 1692-1698. | 0.6 | 13 |
| 60 | Baroclinic Instability and the Selection of the Zonal Scale of the Transient Eddies of Middle Latitudes. Journals of the Atmospheric Sciences, 1979, 36, 767-784. | 0.6 | 19 |
| 61 | The Effect of the Meridional Circulation on the Baroclinic Instability of the Winter Zonal Flow. Journals of the Atmospheric Sciences, 1978, 35, 2368-2372. | 0.6 | 1 |