Brant Carlson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1926200/publications.pdf

Version: 2024-02-01

25 papers	653 citations	623734 14 h-index	713466 21 g-index
28 all docs	28 docs citations	28 times ranked	548 citing authors

#	Article	IF	Citations
1	Constraining Spectral Models of a Terrestrial Gammaâ€Ray Flash From a Terrestrial Electron Beam Observation by the Atmosphereâ€Space Interactions Monitor. Geophysical Research Letters, 2021, 48, e2021GL093152.	4.0	6
2	Spectral Analysis of Individual Terrestrial Gammaâ€Ray Flashes Detected by ASIM. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035347.	3.3	10
3	The Modular X- and Gamma-Ray Sensor (MXGS) of the ASIM Payload on the International Space Station. Space Science Reviews, 2019, 215, 1.	8.1	42
4	The First Terrestrial Electron Beam Observed by the Atmosphereâ€Space Interactions Monitor. Journal of Geophysical Research: Space Physics, 2019, 124, 10497-10511.	2.4	8
5	Constraints to do realistic modeling of the electric field ahead of the tip of a lightning leader. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8120-8134.	3.3	20
6	Relativistic electrons from sparks in the laboratory. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2939-2954.	3.3	15
7	Time domain simulations of preliminary breakdown pulses in natural lightning. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5316-5333.	3.3	8
8	Meterâ€scale spark Xâ€ray spectrum statistics. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11191-11202.	3.3	14
9	Modeling the relativistic runaway electron avalanche and the feedback mechanism with GEANT4. Journal of Geophysical Research: Space Physics, 2014, 119, 9174-9191.	2.4	35
10	Simultaneous observations of optical lightning and terrestrial gamma ray flash from space. Geophysical Research Letters, 2013, 40, 2423-2426.	4.0	54
11	Connecting the terrestrial gammaâ€ray flash source strength and observed fluence distributions. Journal of Geophysical Research, 2012, 117, .	3.3	7
12	A new method reveals more TGFs in the RHESSI data. Geophysical Research Letters, 2012, 39, .	4.0	41
13	Confining the angular distribution of terrestrial gamma ray flash emission. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	49
14	Terrestrial gamma-ray flash electron beam geometry, fluence, and detection frequency. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	23
15	Examining lightning channel electrical properties with time domain fractal lightning modeling. , 2011, , .		2
16	Confining the angular distribution of TGF emission. , 2011, , .		0
17	The frequency of terrestrial gamma-ray flash electron beam observations. , 2011, , .		0
18	Neutron production in terrestrial gamma ray flashes. Journal of Geophysical Research, 2010, 115, .	3.3	50

#	Article	IF	Citations
19	Terrestrial gamma ray flash production by active lightning leader channels. Journal of Geophysical Research, 2010, 115, .	3.3	69
20	Observations of Terrestrial Gamma-Ray Flash Electrons. , 2009, , .		14
21	Terrestrial gamma ray flash production by lightning current pulses. Journal of Geophysical Research, 2009, 114, .	3.3	56
22	A novel technique for remote sensing of thunderstorm electric fields via the Kerr effect and sky polarization. Geophysical Research Letters, 2008, 35, .	4.0	5
23	Runaway relativistic electron avalanche seeding in the Earth's atmosphere. Journal of Geophysical Research, 2008, 113, .	3.3	26
24	Constraints on terrestrial gamma ray flash production from satellite observation. Geophysical Research Letters, 2007, 34, .	4.0	89
25	Search for correlated high energy cosmic ray events with CHICOS. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 409-416.	3.6	8