

Wei Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7225328/publications.pdf>

Version: 2024-02-01

22
papers

408
citations

840119

11
h-index

752256

20
g-index

23
all docs

23
docs citations

23
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Source altitudes of terrestrial gamma-ray flashes produced by lightning leaders. Geophysical Research Letters, 2012, 39, .	1.5	74
2	Terrestrial gamma ray flashes with energies up to 100 MeV produced by nonequilibrium acceleration of electrons in lightning. Journal of Geophysical Research, 2012, 117, .	3.3	68
3	Variability in fluence and spectrum of high-energy photon bursts produced by lightning leaders. Journal of Geophysical Research: Space Physics, 2015, 120, 10,712.	0.8	31
4	On the Effects of Bremsstrahlung Radiation During Energetic Electron Precipitation. Geophysical Research Letters, 2018, 45, 1167-1176.	1.5	29
5	A Generalized Method for Calculating Atmospheric Ionization by Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028482.	0.8	24
6	Optical emissions associated with terrestrial gamma ray flashes. Journal of Geophysical Research: Space Physics, 2015, 120, 1355-1370.	0.8	21
7	Analysis of Individual Terrestrial Gamma-Ray Flashes With Lightning Leader Models and Fermi Gamma-Ray Burst Monitor Data. Journal of Geophysical Research: Space Physics, 2019, 124, 7170-7183.	0.8	21
8	Atmospheric Effects of a Relativistic Electron Beam Injected From Above: Chemistry, Electrodynamics, and Radio Scattering. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	19
9	Modeling of X-ray emissions produced by stepping lightning leaders. Geophysical Research Letters, 2014, 41, 7406-7412.	1.5	17
10	VLF Measurements and Modeling of the D-Region Response to the 2017 Total Solar Eclipse. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7613-7622.	2.7	16
11	Compton Scattering Effects on the Spectral and Temporal Properties of Terrestrial Gamma-Ray Flashes. Journal of Geophysical Research: Space Physics, 2019, 124, 7220-7230.	0.8	14
12	The AEPEX mission: Imaging energetic particle precipitation in the atmosphere through its bremsstrahlung X-ray signatures. Advances in Space Research, 2020, 66, 66-82.	1.2	13
13	Characteristics of Energetic Electron Precipitation Estimated from Simulated Bremsstrahlung X-ray Distributions. Journal of Geophysical Research: Space Physics, 2019, 124, 2831-2843.	0.8	12
14	An Electron Density Model of the D and E Region Ionosphere for Transionospheric VLF Propagation. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029288.	0.8	12
15	A novel type of transient luminous event produced by terrestrial gamma-ray flashes. Geophysical Research Letters, 2017, 44, 2571-2578.	1.5	9
16	X-ray Signatures of Lightning-Induced Electron Precipitation. Journal of Geophysical Research: Space Physics, 2019, 124, 10230-10245.	0.8	9
17	A Method for Calculating Atmospheric Radiation Produced by Relativistic Electron Precipitation. Space Weather, 2021, 19, e2021SW002735.	1.3	7
18	Optical emissions associated with energetic electrons produced by stepping leaders in cloud-to-ground lightning discharges. Geophysical Research Letters, 2015, 42, 5610-5616.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Modeling Low-Frequency Radio Emissions From Terrestrial Gamma Ray Flash Sources. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
20	Chemical Response of the Upper Atmosphere Due to Lightning-Induced Electron Precipitation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034914.	1.2	2
21	Using VLF Transmitter Signals at LEO for Plasmasphere Model Validation. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
22	Modeling of X-Ray Images and Energy Spectra Produced by Stepping Lightning Leaders. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,776.	1.2	1