

Wei Xu

List of Publications by Year in descending order

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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	Modeling Low-Frequency Radio Emissions From Terrestrial Gamma Ray Flash Sources. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	3
2	Using VLF Transmitter Signals at LEO for Plasmasphere Model Validation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
3	A Method for Calculating Atmospheric Radiation Produced by Relativistic Electron Precipitation. <i>Space Weather</i> , 2021, 19, e2021SW002735.	1.3	7
4	An Electron Density Model of the D and E Region Ionosphere for Transionospheric VLF Propagation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029288.	0.8	12
5	Chemical Response of the Upper Atmosphere Due to Lightning-Induced Electron Precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034914.	1.2	2
6	A Generalized Method for Calculating Atmospheric Ionization by Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028482.	0.8	24
7	The AEPEX mission: Imaging energetic particle precipitation in the atmosphere through its bremsstrahlung X-ray signatures. <i>Advances in Space Research</i> , 2020, 66, 66-82.	1.2	13
8	Compton Scattering Effects on the Spectral and Temporal Properties of Terrestrial Gamma-Ray Flashes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7220-7230.	0.8	14
9	Analysis of Individual Terrestrial Gamma-Ray Flashes With Lightning Leader Models and Fermi Gamma-Ray Burst Monitor Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7170-7183.	0.8	21
10	VLF Measurements and Modeling of the D-Region Response to the 2017 Total Solar Eclipse. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 7613-7622.	2.7	16
11	Atmospheric Effects of a Relativistic Electron Beam Injected From Above: Chemistry, Electrodynamics, and Radio Scattering. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	1.1	19
12	Characteristics of Energetic Electron Precipitation Estimated from Simulated Bremsstrahlung X-ray Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2831-2843.	0.8	12
13	X-ray Signatures of Lightning-Induced Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10230-10245.	0.8	9
14	On the Effects of Bremsstrahlung Radiation During Energetic Electron Precipitation. <i>Geophysical Research Letters</i> , 2018, 45, 1167-1176.	1.5	29
15	A novel type of transient luminous event produced by terrestrial gamma-ray flashes. <i>Geophysical Research Letters</i> , 2017, 44, 2571-2578.	1.5	9
16	Modeling of X-ray Images and Energy Spectra Produced by Stepping Lightning Leaders. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,776.	1.2	1
17	Optical emissions associated with energetic electrons produced by stepping leaders in cloud-to-ground lightning discharges. <i>Geophysical Research Letters</i> , 2015, 42, 5610-5616.	1.5	4
18	Variability in fluence and spectrum of high-energy photon bursts produced by lightning leaders. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,712.	0.8	31

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19	Optical emissions associated with terrestrial gamma ray flashes. Journal of Geophysical Research: Space Physics, 2015, 120, 1355-1370.	0.8	21
20	Modeling of X-ray emissions produced by stepping lightning leaders. Geophysical Research Letters, 2014, 41, 7406-7412.	1.5	17
21	Source altitudes of terrestrial gamma-ray flashes produced by lightning leaders. Geophysical Research Letters, 2012, 39, .	1.5	74
22	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