

Robert C Moore

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

663
citations

686830

13
h-index

580395

25
g-index

40
all docs

40
docs citations

40
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground-level observation of a terrestrial gamma ray flash initiated by a triggered lightning. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6511-6533.	1.2	74
2	Massive disturbance of the daytime lower ionosphere by the giant γ -ray flare from magnetar SGR 1806-20. Geophysical Research Letters, 2007, 34, .	1.5	72
3	Experimental Generation of ELF Radio Signals Using a Rotating Magnet. IEEE Transactions on Antennas and Propagation, 2018, 66, 6265-6272.	3.1	64
4	ELF waves generated by modulated HF heating of the auroral electrojet and observed at a ground distance of ~ 4400 km. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	52
5	Early/fast VLF events produced by electron density changes associated with sprite halos. Journal of Geophysical Research, 2003, 108, .	3.3	51
6	Visualization of rapid electron precipitation via chorus element wave-particle interactions. Nature Communications, 2019, 10, 257.	5.8	35
7	Observations of amplitude saturation in ELF/VLF wave generation by modulated HF heating of the auroral electrojet. Geophysical Research Letters, 2006, 33, .	1.5	28
8	ELF/VLF wave generation from the beating of two HF ionospheric heating sources. Journal of Geophysical Research, 2012, 117, .	3.3	27
9	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. Geophysical Research Letters, 2018, 45, 12,125.	1.5	24
10	Multistation observations of the azimuth, polarization, and frequency dependence of ELF/VLF waves generated by electrojet modulation. Radio Science, 2015, 50, 1008-1026.	0.8	22
11	On the altitude of the ELF/VLF source region generated during "beat" wave-HF heating experiments. Geophysical Research Letters, 2012, 39, .	1.5	19
12	Ionospheric $\langle D \rangle$ Region Remote Sensing Using ELF Sferic Group Velocity. Geophysical Research Letters, 2018, 45, 12,739.	1.5	16
13	Initial breakdown and fast leaders in lightning discharges producing long-lasting disturbances of the lower ionosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 5794-5804.	0.8	14
14	ELF/VLF wave generation using simultaneous CW and modulated HF heating of the ionosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	13
15	Analysis of time-of-arrival observations performed during ELF/VLF wave generation experiments at HAARP. Radio Science, 2011, 46, .	0.8	13
16	Observations of Ionospheric ELF and VLF Wave Generation by Excitation of the Thermal Cubic Nonlinearity. Physical Review Letters, 2013, 111, 235007.	2.9	13
17	Photochemical response of the nighttime mesosphere to electric field heating-Recovery of electron density enhancements. Geophysical Research Letters, 2016, 43, 952-960.	1.5	12
18	Magneto-ionic polarization and GPS signal propagation through the ionosphere. Radio Science, 2011, 46, .	0.8	11

#	ARTICLE	IF	CITATIONS
19	Modulation of auroral electrojet currents using dual modulated HF beams with ELF phase offset, a potential D-region ionospheric diagnostic. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2350-2358.	0.8	10
20	Classifying onset durations of early VLF events: Scattered field analysis and new insights. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6661-6668.	0.8	10
21	Frequency domain analysis of triggered lightning return stroke luminosity velocity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2334-2350.	1.2	10
22	Observation of local and conjugate ionospheric perturbations from individual oceanic lightning flashes. <i>Geophysical Research Letters</i> , 2014, 41, 273-279.	1.5	8
23	Triggered lightning sky waves, return stroke modeling, and ionosphere effective height. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3507-3527.	1.2	8
24	Modeling long recovery early events (LOREs) produced by lightning-induced ionization of the nighttime upper mesosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7761-7780.	0.8	8
25	Dual-beam ELF wave generation as a function of power, frequency, modulation waveform, and receiver location. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	7
26	The Source Regions of Whistlers. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5082-5096.	0.8	7
27	Using Eccentricity to Locate Ionospheric Exit Points of Magnetospheric Whistler Mode Waves. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 7049-7061.	2.7	6
28	Strong Amplification of ELF/VLF Signals in Space Using Neutral Gas Injections From a Satellite Rocket Engine. <i>Radio Science</i> , 2021, 56, e2020RS007207.	0.8	6
29	Comment on "Geometric modulation: A more effective method of steerable ELF/VLF wave generation with continuous HF heating of the lower ionosphere" by M. B. Cohen, U. S. Inan, and M. A. Golkowski. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	5
30	Ionospheric effects of whistler waves from rocket-triggered lightning. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	5
31	High time resolution observations of HF cross-modulation within the D region ionosphere. <i>Geophysical Research Letters</i> , 2013, 40, 1912-1916.	1.5	5
32	Photochemical response of the nighttime mesosphere to electric field heating: Onset of electron density enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4782-4799.	0.8	5
33	The D Region Response to the August 2017 Total Solar Eclipse and Coincident Solar Flare. <i>Geophysical Research Letters</i> , 2018, 45, 13,192.	1.5	3
34	The effect of lightning return stroke speed on Earth-Ionosphere waveguide excitation. , 2013, , .		0
35	Nonlinear multi-beam interactions in the D-region ionosphere. , 2013, , .		0
36	Properties of lightning associated with long recovery early VLF events. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	D-region nonlinearities observed using cross-modulation experiments. , 2014, , .		0
38	An analysis of ELF sferics produced by rocket-triggered lightning. , 2014, , .		0
39	Nonlinear FDTD modeling of ionospheric cross-modulation experiments. , 2018, , .		0
40	Spatiotemporal development of pulsating auroral patch associated with discrete chorus elements: Arase and PWING observations. , 2019, , .		0