

M V Codrescu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

2,081
citations

19
h-index

45
g-index

45
ext. papers

2,366
ext. citations

3.3
avg, IF

4.17
L-index

#	Paper	IF	Citations
35	Delayed ionospheric response to solar extreme ultraviolet radiation variations: A modeling approach. <i>Advances in Space Research</i> , 2022 , 69, 2460-2476	2.4	
34	Role of eddy diffusion in the delayed ionospheric response to solar flux changes. <i>Annales Geophysicae</i> , 2021 , 39, 641-655	2	5
33	The Delayed Ionospheric Response to the 27-day Solar Rotation Period Analyzed With GOLD and IGS TEC Data. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028861	2.6	5
32	Response of GOLD Retrieved Thermospheric Temperatures to Geomagnetic Activities of Varying Magnitudes. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093905	4.9	7
31	Impact of GOLD Retrieved Thermospheric Temperatures on a Whole Atmosphere Data Assimilation Model. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028646	2.6	6
30	Early Morning Equatorial Ionization Anomaly From GOLD Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027487	2.6	8
29	First Synoptic Observations of Geomagnetic Storm Effects on the Global-Scale OI 135.6-nm Dayglow in the Thermosphere by the GOLD Mission. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085480	4.9	7
28	New Observations of Large-Scale Waves Coupling With the Ionosphere Made by the GOLD Mission: Quasi-16-Day Wave Signatures in the F-Region OI 135.6-nm Nightglow During Sudden Stratospheric Warmings. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027880	2.6	14
27	Feasibility of Near-Real-Time GOLD Data Products. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027819	2.6	2
26	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027823	2.6	2
25	Quantifying the Storm Time Thermospheric Neutral Density Variations Using Model and Observations. <i>Space Weather</i> , 2019 , 17, 269-284	3.7	6
24	On the difference between real-time and research simulations with CTIpe. <i>Advances in Space Research</i> , 2019 , 64, 2077-2087	2.4	8
23	An Ensemble Kalman Filter for the Thermosphere-Ionosphere. <i>Space Weather</i> , 2018 , 16, 57-68	3.7	23
22	Validation of Ionospheric Specifications During Geomagnetic Storms: TEC and foF2 During the 2013 March Storm Event. <i>Space Weather</i> , 2018 , 16, 1686-1701	3.7	16
21	CEDAR-GEM Challenge for Systematic Assessment of Ionosphere/Thermosphere Models in Predicting TEC During the 2006 December Storm Event. <i>Space Weather</i> , 2017 , 15, 1238-1256	3.7	11
20	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. <i>Space Science Reviews</i> , 2017 , 212, 383-408	7.5	63
19	GEM-CEDAR challenge: Poynting flux at DMSP and modeled Joule heat. <i>Space Weather</i> , 2016 , 14, 113-135	3.7	12

18	Modeling the ionosphere-thermosphere response to a geomagnetic storm using physics-based magnetospheric energy input: OpenGGCM-CTIM results. <i>Journal of Space Weather and Space Climate</i> , 2016 , 6, A25	2.5	26
17	Systematic Evaluation of Ionosphere/Thermosphere (IT) Models. <i>Geophysical Monograph Series</i> , 2014 , 145-160	1.1	10
16	Global Joule heating index derived from thermospheric density physics-based modeling and observations. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	38
15	A real-time run of the Coupled Thermosphere Ionosphere Plasmasphere Electrodynamics (CTIPE) model. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	46
14	Data assimilation of thermospheric mass density. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	30
13	CEDAR Electrodynamic Thermosphere Ionosphere (ETI) Challenge for systematic assessment of ionosphere/thermosphere models: Electron density, neutral density, NmF2, and hmF2 using space based observations. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	52
12	Ionosphere state and parameter estimation using the Ensemble Square Root Filter and the global three-dimensional first-principle model. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	9
11	CEDAR Electrodynamic Thermosphere Ionosphere (ETI) Challenge for systematic assessment of ionosphere/thermosphere models: NmF2, hmF2, and vertical drift using ground-based observations. <i>Space Weather</i> , 2011 , 9, n/a-n/a	3.7	57
10	Impact of terrestrial weather on the upper atmosphere. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	55
9	Validation of the Coupled Thermosphere Ionosphere Plasmasphere Electrodynamics model: CTIPE-Mass Spectrometer Incoherent Scatter temperature comparison. <i>Space Weather</i> , 2008 , 6, n/a-n/a	3.7	29
8	Interaction between direct penetration and disturbance dynamo electric fields in the storm-time equatorial ionosphere. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	158
7	Global Assimilation of Ionospheric Measurements (GAIM). <i>Radio Science</i> , 2004 , 39, n/a-n/a	1.4	251
6	An ensemble-type Kalman filter for neutral thermospheric composition during geomagnetic storms. <i>Space Weather</i> , 2004 , 2, n/a-n/a	3.7	28
5	Electric field variability associated with the Millstone Hill electric field model. <i>Journal of Geophysical Research</i> , 2000 , 105, 5265-5273		70
4	Intercomparison of physical models and observations of the ionosphere. <i>Journal of Geophysical Research</i> , 1998 , 103, 2179-2192		63
3	Modeling the F layer during specific geomagnetic storms. <i>Journal of Geophysical Research</i> , 1997 , 102, 14315-14329		44
2	On the seasonal response of the thermosphere and ionosphere to geomagnetic storms. <i>Journal of Geophysical Research</i> , 1996 , 101, 2343-2353		320
1	Response of the thermosphere and ionosphere to geomagnetic storms. <i>Journal of Geophysical Research</i> , 1994 , 99, 3893		570

