

# M V Codrescu

## List of Publications by Citations

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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	Response of the thermosphere and ionosphere to geomagnetic storms. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 3893		570
34	On the seasonal response of the thermosphere and ionosphere to geomagnetic storms. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 2343-2353		320
33	Global Assimilation of Ionospheric Measurements (GAIM). <i>Radio Science</i> , <b>2004</b> , 39, n/a-n/a	1.4	251
32	Interaction between direct penetration and disturbance dynamo electric fields in the storm-time equatorial ionosphere. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	158
31	Electric field variability associated with the Millstone Hill electric field model. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 5265-5273		70
30	The Global-Scale Observations of the Limb and Disk (GOLD) Mission. <i>Space Science Reviews</i> , <b>2017</b> , 212, 383-408	7.5	63
29	Intercomparison of physical models and observations of the ionosphere. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 2179-2192		63
28	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> , <b>2011</b> , 9, n/a-n/a	3.7	57
27	Impact of terrestrial weather on the upper atmosphere. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	55
26	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> , <b>2012</b> , 10, n/a-n/a	3.7	52
25	A real-time run of the Coupled Thermosphere Ionosphere Plasmasphere Electrodynamic (CTIPE) model. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	46
24	Modeling the F layer during specific geomagnetic storms. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 14315-14329		44
23	Global Joule heating index derived from thermospheric density physics-based modeling and observations. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	38
22	Data assimilation of thermospheric mass density. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	30
21	Initial Observations by the GOLD Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027823	3.7	23
20	Validation of the Coupled Thermosphere Ionosphere Plasmasphere Electrodynamic model: CTIPE-Mass Spectrometer Incoherent Scatter temperature comparison. <i>Space Weather</i> , <b>2008</b> , 6, n/a-n/a	3.7	29
19	An ensemble-type Kalman filter for neutral thermospheric composition during geomagnetic storms. <i>Space Weather</i> , <b>2004</b> , 2, n/a-n/a	3.7	28

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> , <b>2016</b> , 6, A25	2.5	26
17	An Ensemble Kalman Filter for the Thermosphere-Ionosphere. <i>Space Weather</i> , <b>2018</b> , 16, 57-68	3.7	23
16	Validation of Ionospheric Specifications During Geomagnetic Storms: TEC and foF2 During the 2013 March Storm Event. <i>Space Weather</i> , <b>2018</b> , 16, 1686-1701	3.7	16
15	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> , <b>2020</b> , 125, e2020JA027880	2.6	14
14	GEM-CEDAR challenge: Poynting flux at DMSP and modeled Joule heat. <i>Space Weather</i> , <b>2016</b> , 14, 113-135	3.7	12
13	CEDAR-GEM Challenge for Systematic Assessment of Ionosphere/Thermosphere Models in Predicting TEC During the 2006 December Storm Event. <i>Space Weather</i> , <b>2017</b> , 15, 1238-1256	3.7	11
12	Systematic Evaluation of Ionosphere/Thermosphere (IT) Models. <i>Geophysical Monograph Series</i> , <b>2014</b> , 145-160	1.1	10
11	Ionosphere state and parameter estimation using the Ensemble Square Root Filter and the global three-dimensional first-principle model. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	9
10	Early Morning Equatorial Ionization Anomaly From GOLD Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027487	2.6	8
9	On the difference between real-time and research simulations with CTIPe. <i>Advances in Space Research</i> , <b>2019</b> , 64, 2077-2087	2.4	8
8	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> , <b>2020</b> , 47, e2019GL085480	4.9	7
7	Response of GOLD Retrieved Thermospheric Temperatures to Geomagnetic Activities of Varying Magnitudes. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093905	4.9	7
6	Quantifying the Storm Time Thermospheric Neutral Density Variations Using Model and Observations. <i>Space Weather</i> , <b>2019</b> , 17, 269-284	3.7	6
5	Impact of GOLD Retrieved Thermospheric Temperatures on a Whole Atmosphere Data Assimilation Model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028646	2.6	6
4	Role of eddy diffusion in the delayed ionospheric response to solar flux changes. <i>Annales Geophysicae</i> , <b>2021</b> , 39, 641-655	2	5
3	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> , <b>2021</b> , 126, e2020JA028861	2.6	5
2	Feasibility of Near-Real-Time GOLD Data Products. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027819	2.6	2
1	Delayed ionospheric response to solar extreme ultraviolet radiation variations: A modeling approach. <i>Advances in Space Research</i> , <b>2022</b> , 69, 2460-2476	2.4	

