

# Andrew Stephan

## List of Publications by Year in descending order

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46  
papers

752  
citations

687220

13  
h-index

552653

26  
g-index

51  
all docs

51  
docs citations

51  
times ranked

732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topside Plasma Flows in the Equatorial Ionosphere and Their Relationships to F <sub>2</sub> Region Winds Near 250 km. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	9
2	Coordinated Ionospheric Reconstruction CubeSat Experiment (CIRCE), <i>in situ</i> and Remote Ionospheric Sensing (IRIS) suite. Journal of Space Weather and Space Climate, 2021, 11, 16.	1.1	4
3	Triple Magnesium Ionospheric Photometer (Tri-MIP) instrument overview. , 2021, , .		1
4	First Results From the Retrieved Column O/N <sub>2</sub> Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029575.	0.8	7
5	Imaging of the Daytime Ionospheric Equatorial Arcs With Extreme and Far Ultraviolet Airglow. Journal of Geophysical Research: Space Physics, 2019, 124, 6074-6086.	0.8	6
6	A Comparison of Electron Densities Derived by Tomographic Inversion of the 135.6 nm Ionospheric Nightglow Emission to Incoherent Scatter Radar Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4585-4596.	0.8	7
7	Coordinated Ionospheric Reconstruction CubeSat Experiment (CIRCE) mission overview. , 2019, , .		6
8	Comparison of second and third generation 135.6 nm ionospheric photometers using on-orbit and laboratory results. , 2019, , .		3
9	Ultraviolet beam splitter characterization for use in a CubeSat optical system. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	4
10	Daytime O/N <sub>2</sub> Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2018, 214, 1.	3.7	19
11	The Ionospheric Connection Explorer Mission: Mission Goals and Design. Space Science Reviews, 2018, 214, 1.	3.7	152
12	Evaluation of UV optics for Triple Tiny Ionospheric Photometers on CubeSat missions. , 2018, , .		3
13	The Special Sensor Ultraviolet Limb Imager instruments. Journal of Geophysical Research: Space Physics, 2017, 122, 2674-2685.	0.8	9
14	Design and Performance of the ICON EUV Spectrograph. Space Science Reviews, 2017, 212, 631-643.	3.7	21
15	Daytime Ionosphere Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2017, 212, 645-654.	3.7	25
16	Ionospheric and Thermospheric UV tomography: 2. Comparison with incoherent scatter radar measurements. Radio Science, 2017, 52, 357-366.	0.8	8
17	Low-latitude ionospheric research using the CIRCE Mission: instrumentation overview. , 2017, , .		3
18	Advances in remote sensing of the daytime ionosphere with EUV airglow. Journal of Geophysical Research: Space Physics, 2016, 121, 9284-9292.	0.8	11

#	ARTICLE	IF	CITATIONS
19	WINCS on-orbit performance results. , 2015, , .		2
20	A new technique for remote sensing of O <sub>2</sub> density from 140 to 180 km. Geophysical Research Letters, 2015, 42, 233-240.	1.5	3
21	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. Earth and Space Science, 2015, 2, 1-37.	1.1	103
22	Ionospheric imaging using merged ultraviolet airglow and radio occultation data. Proceedings of SPIE, 2014, , .	0.8	4
23	Altitude profiles of lower thermospheric temperature from RAIDS/NIRS and TIMED/SABER remote sensing experiments. Journal of Geophysical Research: Space Physics, 2013, 118, 3740-3746.	0.8	19
24	Measurement and application of the O II 61.7 nm dayglow. Journal of Geophysical Research, 2012, 117, .	3.3	13
25	Observations of molecular oxygen Atmospheric band emission in the thermosphere using the near infrared spectrometer on the ISS/RAIDS experiment. Journal of Geophysical Research, 2012, 117, .	3.3	15
26	Evaluation of ionospheric densities using coincident OII 83.4 nm airglow and the Millstone Hill Radar. Journal of Geophysical Research, 2012, 117, .	3.3	4
27	The production of Titan's ultraviolet nitrogen airglow. Journal of Geophysical Research, 2011, 116, .	3.3	49
28	Characterization of sensitivity degradation seen from the UV to NIR by RAIDS on the International Space Station. , 2011, , .		4
29	The RAIDS experiment on the ISS: on-orbit performance. , 2011, , .		5
30	Atmospheric Remote Sensing on the International Space Station. Eos, 2010, 91, 381-382.	0.1	2
31	The Remote Atmospheric and Ionospheric Detection System experiment on the ISS: mission overview. , 2009, , .		11
32	The Remote Atmospheric and Ionospheric Detection System on the ISS: sensor performance and space weather applications from the extreme to the near ultraviolet. , 2009, , .		7
33	The Remote Atmospheric and Ionospheric Detection System on the ISS: sensor performance and space weather applications from the visible to the near infrared. , 2009, , .		5
34	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N <sub>2</sub> during a geomagnetic storm. Journal of Geophysical Research, 2008, 113, .	3.3	13
35	Middle ultraviolet remote sensing of the equatorial thermosphere during a geomagnetic storm. Annales Geophysicae, 2004, 22, 3203-3209.	0.6	4
36	Oxygen aurora during the recovery phase of a major geomagnetic storm. Journal of Geophysical Research, 2004, 109, .	3.3	6

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37	Quenching rate coefficients for O+(2P) derived from middle ultraviolet airglow. Journal of Geophysical Research, 2003, 108, .	3.3	22
38	Suppression of equatorial spread F by sporadic E. Journal of Geophysical Research, 2002, 107, SIA 4-1-SIA 4-5.	3.3	44
39	Electron and proton aurora observed spectroscopically in the far ultraviolet. Journal of Geophysical Research, 2002, 107, SIA 14-1.	3.3	28
40	Requirements for detection of ionospheric bubbles in the oxygen recombination EUV airglow. Journal of Geophysical Research, 2001, 106, 8143-8148.	3.3	1
41	Far ultraviolet equatorial aurora during geomagnetic storms as observed by the Low-Resolution Airglow and Aurora Spectrograph. Journal of Geophysical Research, 2001, 106, 30323-30330.	3.3	11
42	Tomographic extreme-ultraviolet spectrographs: TESS. Applied Optics, 2000, 39, 3991.	2.1	8
43	Evidence of ENA precipitation in the EUV dayglow. Geophysical Research Letters, 2000, 27, 2865-2868.	1.5	13
44	Two-dimensional mapping of the plasma density in the upper atmosphere with computerized ionospheric tomography (CIT). Physics of Plasmas, 1998, 5, 2010-2021.	0.7	54
45	Spectrograph for photometric imaging with numeric reconstruction (SPINR) simulations. , 1995, , .		1
46	Ultraviolet imaging spectroscopy of dust in the interstellar medium. , 1995, , .		3