

# 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	The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	152
2	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. <i>Earth and Space Science</i> , 2015, 2, 1-37.	1.1	103
3	Two-dimensional mapping of the plasma density in the upper atmosphere with computerized ionospheric tomography (CIT). <i>Physics of Plasmas</i> , 1998, 5, 2010-2021.	0.7	54
4	The production of Titan's ultraviolet nitrogen airglow. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	49
5	Suppression of equatorial spread F by sporadic E. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 4-1-SIA 4-5.	3.3	44
6	Electron and proton aurora observed spectroscopically in the far ultraviolet. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 14-1.	3.3	28
7	Daytime Ionosphere Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2017, 212, 645-654.	3.7	25
8	Quenching rate coefficients for O <sup>+</sup> (2P) derived from middle ultraviolet airglow. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	22
9	Design and Performance of the ICON EUV Spectrograph. <i>Space Science Reviews</i> , 2017, 212, 631-643.	3.7	21
10	Altitude profiles of lower thermospheric temperature from RAIDS/NIRS and TIMED/SABER remote sensing experiments. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3740-3746.	0.8	19
11	Daytime O/N <sub>2</sub> Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	19
12	Observations of molecular oxygen atmospheric band emission in the thermosphere using the near infrared spectrometer on the ISS/RAIDS experiment. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
13	Evidence of ENA precipitation in the EUV dayglow. <i>Geophysical Research Letters</i> , 2000, 27, 2865-2868.	1.5	13
14	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N <sub>2</sub> during a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
15	Measurement and application of the O II 61.7 nm dayglow. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
16	Far ultraviolet equatorial aurora during geomagnetic storms as observed by the Low-Resolution Airglow and Aurora Spectrograph. <i>Journal of Geophysical Research</i> , 2001, 106, 30323-30330.	3.3	11
17	The Remote Atmospheric and Ionospheric Detection System experiment on the ISS: mission overview. , 2009, , .		11
18	Advances in remote sensing of the daytime ionosphere with EUV airglow. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9284-9292.	0.8	11

#	ARTICLE	IF	CITATIONS
19	The Special Sensor Ultraviolet Limb Imager instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2674-2685.	0.8	9
20	Topside Plasma Flows in the Equatorial Ionosphere and Their Relationships to F <sub>2</sub> Region Winds Near 250 Åkm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	9
21	Tomographic extreme-ultraviolet spectrographs: TESS. <i>Applied Optics</i> , 2000, 39, 3991.	2.1	8
22	Ionospheric and thermospheric UV tomography: 2. Comparison with incoherent scatter radar measurements. <i>Radio Science</i> , 2017, 52, 357-366.	0.8	8
23	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
24	A Comparison of Electron Densities Derived by Tomographic Inversion of the 135.6 nm Ionospheric Nightglow Emission to Incoherent Scatter Radar Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4585-4596.	0.8	7
25	First Results From the Retrieved Column O/N <sup>2</sup> Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029575.	0.8	7
26	Oxygen aurora during the recovery phase of a major geomagnetic storm. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	6
27	Imaging of the Daytime Ionospheric Equatorial Arcs With Extreme and Far Ultraviolet Airglow. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6074-6086.	0.8	6
28	Coordinated Ionospheric Reconstruction CubeSat Experiment (CIRCE) mission overview. , 2019, , .		6
29	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
30	The RAIDS experiment on the ISS: on-orbit performance. , 2011, , .		5
31	Middle ultraviolet remote sensing of the equatorial thermosphere during a geomagnetic storm. <i>Annales Geophysicae</i> , 2004, 22, 3203-3209.	0.6	4
32	Characterization of sensitivity degradation seen from the UV to NIR by RAIDS on the International Space Station. , 2011, , .		4
33	Evaluation of ionospheric densities using coincident OII 83.4 nm airglow and the Millstone Hill Radar. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	4
34	Ionospheric imaging using merged ultraviolet airglow and radio occultation data. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
35	Coordinated Ionospheric Reconstruction CubeSat Experiment (CIRCE), <i>in situ</i> and Remote Ionospheric Sensing (IRIS) suite. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 16.	1.1	4
36	Ultraviolet beam splitter characterization for use in a CubeSat optical system. <i>Journal of Applied Remote Sensing</i> , 2019, 13, 1.	0.6	4

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37	A new technique for remote sensing of O2 density from 140 to 180 km. Geophysical Research Letters, 2015, 42, 233-240.	1.5	3
38	Comparison of second and third generation 135.6 nm ionospheric photometers using on-orbit and laboratory results. , 2019, , .		3
39	Ultraviolet imaging spectroscopy of dust in the interstellar medium. , 1995, , .		3
40	Low-latitude ionospheric research using the CIRCE Mission: instrumentation overview. , 2017, , .		3
41	Evaluation of UV optics for Triple Tiny Ionospheric Photometers on CubeSat missions. , 2018, , .		3
42	Atmospheric Remote Sensing on the International Space Station. Eos, 2010, 91, 381-382.	0.1	2
43	WINCS on-orbit performance results. , 2015, , .		2
44	Spectrograph for photometric imaging with numeric reconstruction (SPINR) simulations. , 1995, , .		1
45	Requirements for detection of ionospheric bubbles in the oxygen recombination EUV airglow. Journal of Geophysical Research, 2001, 106, 8143-8148.	3.3	1
46	Triple Magnesium Ionospheric Photometer (Tri-MIP) instrument overview. , 2021, , .		1