

Andrew Stephan

List of Publications by Year in descending order

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46
papers

752
citations

687363
13
h-index

552781
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. Space Science Reviews, 2018, 214, 1.	8.1	152
2	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. Earth and Space Science, 2015, 2, 1-37.	2.6	103
3	Two-dimensional mapping of the plasma density in the upper atmosphere with computerized ionospheric tomography (CIT). Physics of Plasmas, 1998, 5, 2010-2021.	1.9	54
4	The production of Titan's ultraviolet nitrogen airglow. Journal of Geophysical Research, 2011, 116, .	3.3	49
5	Suppression of equatorial spread F by sporadic E. Journal of Geophysical Research, 2002, 107, SIA 4-1-SIA 4-5.	3.3	44
6	Electron and proton aurora observed spectroscopically in the far ultraviolet. Journal of Geophysical Research, 2002, 107, SIA 14-1.	3.3	28
7	Daytime Ionosphere Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2017, 212, 645-654.	8.1	25
8	Quenching rate coefficients for O+(2P) derived from middle ultraviolet airglow. Journal of Geophysical Research, 2003, 108, .	3.3	22
9	Design and Performance of the ICON EUV Spectrograph. Space Science Reviews, 2017, 212, 631-643.	8.1	21
10	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.	2.4	19
11	Daytime O/N ₂ Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2018, 214, 1.	8.1	19
12	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
13	Evidence of ENA precipitation in the EUV dayglow. Geophysical Research Letters, 2000, 27, 2865-2868.	4.0	13
14	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N ₂ during a geomagnetic storm. Journal of Geophysical Research, 2008, 113, .	3.3	13
15	Measurement and application of the O II 61.7 nm dayglow. Journal of Geophysical Research, 2012, 117, .	3.3	13
16	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
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. Journal of Geophysical Research: Space Physics, 2016, 121, 9284-9292.	2.4	11

#	ARTICLE	IF	CITATIONS
19	The Special Sensor Ultraviolet Limb Imager instruments. Journal of Geophysical Research: Space Physics, 2017, 122, 2674-2685.	2.4	9
20	Topside Plasma Flows in the Equatorial Ionosphere and Their Relationships to Fâ€Region Winds Near 250Åkm. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	9
21	Tomographic extreme-ultraviolet spectrographs: TESS. Applied Optics, 2000, 39, 3991.	2.1	8
22	Ionosphericâ€thermospheric UV tomography: 2. Comparison with incoherent scatter radar measurements. Radio Science, 2017, 52, 357-366.	1.6	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 135.6â€nm Ionospheric Nightglow Emission to Incoherent Scatter Radar Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4585-4596.	2.4	7
25	First Results From the Retrieved Column O/N₂ Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029575.	2.4	7
26	Oxygen aurora during the recovery phase of a major geomagnetic storm. Journal of Geophysical Research, 2004, 109, .	3.3	6
27	Imaging of the Daytime Ionospheric Equatorial Arcs With Extreme and Far Ultraviolet Airglow. Journal of Geophysical Research: Space Physics, 2019, 124, 6074-6086.	2.4	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. Annales Geophysicae, 2004, 22, 3203-3209.	1.6	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. Journal of Geophysical Research, 2012, 117, .	3.3	4
34	Ionospheric imaging using merged ultraviolet airglow and radio occultation data. Proceedings of SPIE, 2014, , .	0.8	4
35	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.	3.3	4
36	Ultraviolet beam splitter characterization for use in a CubeSat optical system. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	4

#	ARTICLE	IF	CITATIONS
37	A new technique for remote sensing of O2 density from 140 to 180 km. Geophysical Research Letters, 2015, 42, 233-240.	4.0	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