

# Jun Cui

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4656096/publications.pdf>

Version: 2024-02-01

159  
papers

3,284  
citations

186265

28  
h-index

182427

51  
g-index

161  
all docs

161  
docs citations

161  
times ranked

2505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural evolution of a magnetic flux rope associated with a major flare in the solar active region 12205. <i>Astronomy and Astrophysics</i> , 2022, 659, A25.	5.1	4
2	Cross-terminator Variations of the Photoelectron Energy Distribution in the Martian Ionosphere. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	1
3	The Rotation of Magnetic Flux Ropes Formed during Solar Eruption. <i>Astrophysical Journal Letters</i> , 2022, 927, L14.	8.3	9
4	Coherence of Ion Cyclotron Resonance in Damped Ion Cyclotron Waves in Space Plasmas. <i>Astrophysical Journal</i> , 2022, 928, 36.	4.5	5
5	The solar wind plasma upstream of Mars observed by Tianwen-1: Comparison with Mars Express and MAVEN. <i>Science China Earth Sciences</i> , 2022, 65, 759-768.	5.2	10
6	An Automatic Identification Method for the Photoelectron Boundary at Mars. <i>Astronomical Journal</i> , 2022, 163, 186.	4.7	3
7	Ifnar gene variants influence gut microbial production of palmitoleic acid and host immune responses to tuberculosis. <i>Nature Metabolism</i> , 2022, 4, 359-373.	11.9	11
8	Modeling the CO <sub>2</sub> Ultraviolet Doublet Emission from Mars with a Multi-Instrument MAVEN Data Set. <i>Remote Sensing</i> , 2022, 14, 1705.	4.0	1
9	Empirical Models of Ion Density Distribution in the Dayside Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	4
10	Species-dependent solar rotation effects on the Martian ionosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1293-1299.	4.4	3
11	Gravity Waves in Different Atmospheric Layers During Martian Dust Storms. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	6
12	Earth-like thermal and dynamical coupling processes in the Martian climate system. <i>Earth-Science Reviews</i> , 2022, 229, 104023.	9.1	18
13	Photoelectron Butterfly Pitch-angle Distributions in the Martian Ionosphere Based on MAVEN Observations. <i>Astrophysical Journal</i> , 2022, 929, 126.	4.5	0
14	Targeting Selective Autophagy as a Therapeutic Strategy for Viral Infectious Diseases. <i>Frontiers in Microbiology</i> , 2022, 13, 889835.	3.5	9
15	Diurnal Variations of Water Ice in the Martian Atmosphere Observed by Mars Climate Sounder. <i>Remote Sensing</i> , 2022, 14, 2235.	4.0	1
16	Wind-enhanced Hydrogen Escape on Mars. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
17	The Impact and Mechanism of the Magnetic Inclination Angle on O <sup>+</sup> Escape from Mars. <i>Astrophysical Journal</i> , 2022, 931, 30.	4.5	9
18	Gravity Waves in Titan's Atmosphere: A Comparison Between Linearized Wave Model Calculations and HASI Observations. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	3

#	ARTICLE	IF	CITATIONS
19	Magnetospheric Multiscale Mission Observations of Lower-hybrid Drift Waves in Terrestrial Magnetotail Reconnection with Moderate Guide Field and Asymmetric Plasma Density. <i>Astrophysical Journal</i> , 2022, 933, 208.	4.5	4
20	Hydrogen and helium escape on Venus via energy transfer from hot oxygen atoms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2394-2402.	4.4	5
21	Species-dependent Response of the Martian Ionosphere to the 2018 Global Dust Event. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006679.	3.6	14
22	Ejecta From the Orientale Basin at the Chang'E-4 Landing Site. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090935.	4.0	21
23	Effects of Ion Slippage in Earth's Ionosphere and the Plasma Sheet. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091494.	4.0	1
24	In Situ Heating of the Nightside Martian Upper Atmosphere and Ionosphere: The Role of Solar Wind Electron Precipitation. <i>Astrophysical Journal</i> , 2021, 909, 108.	4.5	3
25	Self-Secondaries Formed by Cold Spot Craters on the Moon. <i>Remote Sensing</i> , 2021, 13, 1087.	4.0	1
26	The configuration and failed eruption of a complex magnetic flux rope above a sunspot region. <i>Astronomy and Astrophysics</i> , 2021, 648, A106.	5.1	4
27	A Comparative Study on the Distributions of Incoherent and Coherent Plasmaspheric Hiss. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092902.	4.0	4
28	Hyperbolic reflectors determined from peak echoes of ground penetrating radar. <i>Icarus</i> , 2021, 358, 114280.	2.5	14
29	Abnormal Phase Structure of Thermal Tides During Major Dust Storms on Mars: Implications for the Excitation Source of High-altitude Water Ice Clouds. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006758.	3.6	6
30	On the structure of the Enceladus plume. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 6216-6222.	4.4	0
31	The Ionosphere at Middle and Low Latitudes Under Geomagnetic Quiet Time of December 2019. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028964.	2.4	8
32	Recent Dark Pyroclastic Deposits on Mercury. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092532.	4.0	9
33	A fundamental mechanism of solar eruption initiation. <i>Nature Astronomy</i> , 2021, 5, 1126-1138.	10.1	79
34	Development of Multiple Injection Channels During a Sawtooth Substorm Event. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094097.	4.0	0
35	Rock Fragments in Shallow Lunar Regolith: Constraints by the Lunar Penetrating Radar Onboard the Chang'E-4 Mission. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006917.	3.6	13
36	Large Eddy Simulations of the Dusty Martian Convective Boundary Layer With MarsWRF. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006752.	3.6	17

#	ARTICLE	IF	CITATIONS
37	Structure and Evolution of an Interplanetary Active Region Large-scale Magnetic Flux Rope. <i>Astrophysical Journal</i> , 2021, 906, 45.	4.5	6
38	A Survey of Photoelectrons on the Nightside of Mars. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089998.	4.0	10
39	Variation of Magnetic Flux Ropes through Major Solar Flares. <i>Astrophysical Journal Letters</i> , 2021, 907, L23.	8.3	5
40	Short-term and Global-wide Effusive Volcanism on Mercury Around 3.7 Ga. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094503.	4.0	9
41	MAVEN Observations of Magnetic Reconnection at Martian Induced Magnetopause. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095426.	4.0	17
42	A Magnetospheric Driver of Westward Traveling Surge: Plasma Sheet Bubble. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095539.	4.0	1
43	High-Latitude Cold Ion Outflow Inferred From the Cluster Wake Observations in the Magnetotail Lobes and the Polar Cap Region. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	1
44	Magnetospheric Source and Electric Current System Associated With Intense SAIDs. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093253.	4.0	7
45	Effects of the Solar Wind Dynamic Pressure on the Martian Topside Ion Distribution: Implications on the Variability of Bulk Ion Outflow. <i>Astrophysical Journal</i> , 2021, 922, 231.	4.5	4
46	Interplanetary Coronal Mass Ejections from MAVEN Orbital Observations at Mars. <i>Astrophysical Journal</i> , 2021, 923, 4.	4.5	7
47	Compositional Variation of the Dayside Martian Ionosphere: Inference from Photochemical Equilibrium Computations. <i>Astrophysical Journal</i> , 2021, 923, 29.	4.5	13
48	Neutral Heating Efficiency in the Dayside Martian Upper Atmosphere. <i>Astronomical Journal</i> , 2020, 159, 39.	4.7	12
49	Identify potent SARS-CoV-2 main protease inhibitors via accelerated free energy perturbation-based virtual screening of existing drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27381-27387.	7.1	174
50	Precipitation Loss of Radiation Belt Electrons by Two-band Plasmaspheric Hiss Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028157.	2.4	5
51	Spatially Quasi-periodic Finger-like Auroras during Substorms. <i>Astrophysical Journal</i> , 2020, 897, 149.	4.5	3
52	Electron Diffusion by Coexisting Plasmaspheric Hiss and Chorus Waves: Multisatellite Observations and Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088753.	4.0	15
53	Statistical Study on Locally Generated High-frequency Plasmaspheric Hiss and Its Effect on Suprathermal Electrons: Van Allen Probes Observation and Quasi-linear Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028526.	2.4	12
54	Solar and Magnetic Control of Minor Ion Peaks in the Dayside Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028254.	2.4	7

#	ARTICLE	IF	CITATIONS
55	Persistence of the Long-Duration Daytime TEC Enhancements at Different Longitudinal Sectors During the August 2018 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028238.	2.4	15
56	Response of photoelectron peaks in the Martian ionosphere to solar EUV/X-ray irradiance. <i>Earth and Planetary Physics</i> , 2020, 4, 1-6.	1.1	8
57	Lost Volatiles During the Formation of Hollows on Mercury. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006559.	3.6	9
58	Temperature Variability in Titan's Upper Atmosphere: The Role of Wave Dissipation. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006163.	3.6	5
59	Fine debris flows formed by the Orientale basin. <i>Earth and Planetary Physics</i> , 2020, 4, 1-11.	1.1	3
60	Photoelectrons as a Tracer of Planetary Atmospheric Composition: Application to CO on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006441.	3.6	13
61	Dayside nitrogen and carbon escape on Titan: the role of exothermic chemistry. <i>Astronomy and Astrophysics</i> , 2020, 633, A8.	5.1	7
62	The Polar Wind Modulated by the Spatial Inhomogeneity of the Strength of the Earth's Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027802.	2.4	6
63	Abnormal Dawn-Dusk Asymmetry of Protonated Ions in the Martian Ionosphere. <i>Astrophysical Journal Letters</i> , 2020, 895, L43.	8.3	11
64	The minimum confidence limit for diameters in crater counts. <i>Icarus</i> , 2020, 341, 113645.	2.5	20
65	Field-Aligned Photoelectron Energy Peaks at High Altitude and on the Nightside of Titan. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006252.	3.6	5
66	Atomic Oxygen Escape on Mars Driven by Electron Impact Excitation and Ionization. <i>Astronomical Journal</i> , 2020, 159, 54.	4.7	3
67	Formation of Recrystallization Cube Texture in Highly Rolled Ni-9.3 at % W. <i>Physics of Metals and Metallography</i> , 2020, 121, 248-253.	1.0	4
68	Fragments Delivered by Secondary Craters at the Chang'E-4 Landing Site. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087361.	4.0	32
69	The Relationship between Chirality, Sense of Rotation, and Hemispheric Preference of Solar Eruptive Filaments. <i>Astrophysical Journal</i> , 2020, 891, 180.	4.5	11
70	Nitric Oxide Abundance in the Martian Thermosphere and Its Diurnal Variation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087252.	4.0	11
71	Asymmetric Lunar Magnetic Perturbations Produced by Reflected Solar Wind Particles. <i>Astrophysical Journal Letters</i> , 2020, 893, L36.	8.3	5
72	Energetic Electron Depletions in the Nightside Martian Upper Atmosphere Revisited. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027670.	2.4	14

#	ARTICLE	IF	CITATIONS
73	Effect of Annealing Temperature on Cube Texture Formation in Ni7W/Ni12W/Ni7W Compound Substrate. <i>Physics of Metals and Metallography</i> , 2020, 121, 261-268.	1.0	0
74	Nonlinear Interactions Between Relativistic Electrons and EMIC Waves in Magnetospheric Warm Plasma Environments. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028089.	2.4	8
75	Dust tides and rapid meridional motions in the Martian atmosphere during major dust storms. <i>Nature Communications</i> , 2020, 11, 614.	12.8	26
76	A MAVEN investigation of O <sup>++</sup> in the dayside Martian ionosphere. <i>Earth and Planetary Physics</i> , 2020, 4, 1-6.	1.1	2
77	The variations of the Martian exobase altitude. <i>Earth and Planetary Physics</i> , 2020, 4, 1-7.	1.1	15
78	Observation of CO <sub>2</sub> <sup>+</sup> cation in the dayside Martian upper atmosphere. <i>Earth and Planetary Physics</i> , 2020, 4, 1-7.	1.1	5
79	Monte Carlo Calculations of Helium Escape on Mars via Energy Transfer from Hot Oxygen Atoms. <i>Astrophysical Journal</i> , 2020, 902, 121.	4.5	6
80	Deflection of Global Ion Flow by the Martian Crustal Magnetic Fields. <i>Astrophysical Journal Letters</i> , 2020, 898, L54.	8.3	10
81	Energy Conversion between Ions and Electrons through Ion Cyclotron Waves and Embedded Ion-scale Rotational Discontinuity in Collisionless Space Plasmas. <i>Astrophysical Journal Letters</i> , 2020, 904, L16.	8.3	4
82	Solar control of CO <sub>2</sub> <sup>+</sup> ultraviolet doublet emission on Mars. <i>Earth and Planetary Physics</i> , 2020, 4, 1-7.	1.1	1
83	Bidirectional electron conic observations for photoelectrons in the Martian ionosphere. <i>Earth and Planetary Physics</i> , 2020, 4, 1-5.	1.1	5
84	Why Do Torus-unstable Solar Filaments Experience Failed Eruptions?. <i>Astrophysical Journal Letters</i> , 2019, 877, L28.	8.3	35
85	Combined Effects of Equatorial Chorus Waves and High-Latitude Mode Waves on Saturn's Radiation Belt Electrons. <i>Geophysical Research Letters</i> , 2019, 46, 8624-8632.	4.0	18
86	Detection of Mesospheric CO <sub>2</sub> Ice Clouds on Mars in Southern Summer. <i>Geophysical Research Letters</i> , 2019, 46, 7962-7971.	4.0	13
87	Effect of Hot He <sup>+</sup> Ions on the Electron Pitch Angle Scattering Driven by H <sup>+</sup> , He <sup>+</sup> , and O <sup>+</sup> Band EMIC Waves. <i>Geophysical Research Letters</i> , 2019, 46, 6306-6314.	4.0	14
88	Properties of Stream Interactions and Their Associated Shocks near 1.52 au: MAVEN Observations. <i>Astrophysical Journal</i> , 2019, 879, 118.	4.5	10
89	Unusual Multiple Excitation of Large-Scale Gravity Waves by Successive Stream Interactions: The Role of Alfvénic Fluctuations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6281-6287.	2.4	3
90	On the Hardness of the Photoelectron Energy Spectrum Near Mars. <i>Journal of Geophysical Research: Planets</i> , 2019, 124, 2745-2753.	3.6	8

#	ARTICLE	IF	CITATIONS
91	A Study of Pre-flare Solar Coronal Magnetic Fields: Magnetic Flux Ropes. <i>Astrophysical Journal</i> , 2019, 884, 73.	4.5	50
92	Reduced Atmospheric Ion Escape Above Martian Crustal Magnetic Fields. <i>Geophysical Research Letters</i> , 2019, 46, 11764-11772.	4.0	16
93	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8015-8022.	2.4	10
94	Structural Variability of the Nightside Martian Ionosphere Near the Terminator: Implications on Plasma Sources. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1495-1511.	3.6	18
95	Extreme-ultraviolet Late Phase Caused by Magnetic Reconnection over Quadrupolar Magnetic Configuration in a Solar Flare. <i>Astrophysical Journal</i> , 2019, 878, 46.	4.5	11
96	Evaluating Local Ionization Balance in the Nightside Martian Upper Atmosphere during MAVEN Deep Dip Campaigns. <i>Astrophysical Journal Letters</i> , 2019, 876, L12.	8.3	27
97	Effect of Low- $\omega$ Harmonic Magnetosonic Waves on the Radiation Belt Electrons Inside the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3390-3401.	2.4	23
98	Effect of temperature on the passivation behaviour of the slow-release inhibitor for carbon steel in the simulated recirculating water. <i>Corrosion Engineering Science and Technology</i> , 2019, 54, 286-297.	1.4	2
99	Monte Carlo calculations of the atmospheric sputtering yields on Titan. <i>Astronomy and Astrophysics</i> , 2019, 623, A18.	5.1	8
100	The Morphology of the Topside Martian Ionosphere: Implications on Bulk Ion Flow. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 734-751.	3.6	43
101	Variability of the Martian ionosphere from the MAVEN Radio Occultation Science Experiment. <i>Earth and Planetary Physics</i> , 2019, 3, 283-289.	1.1	11
102	The Inertialized Rice Convection Model. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10294-10317.	2.4	25
103	Electron Temperatures in the Dayside Ionosphere of Mars Derived from Chemistry. <i>Astrophysical Journal</i> , 2019, 887, 177.	4.5	6
104	Photochemical escape of atomic C and N on Mars: clues from a multi-instrument MAVEN dataset. <i>Astronomy and Astrophysics</i> , 2019, 621, A23.	5.1	26
105	A Test Particle Monte Carlo Investigation of the CH <sub>4</sub> Torus around Saturn. <i>Astronomical Journal</i> , 2019, 157, 15.	4.7	0
106	Ring current proton scattering by low-frequency magnetosonic waves. <i>Earth and Planetary Physics</i> , 2019, 3, 365-372.	1.1	8
107	Photoelectron balance in the dayside Martian upper atmosphere. <i>Earth and Planetary Physics</i> , 2019, 3, 373-379.	1.1	4
108	Species-dependent ion escape on Titan. <i>Earth and Planetary Physics</i> , 2019, 3, 183-189.	1.1	0

#	ARTICLE	IF	CITATIONS
109	The Impact of Crustal Magnetic Fields on the Thermal Structure of the Martian Upper Atmosphere. <i>Astrophysical Journal Letters</i> , 2018, 853, L33.	8.3	18
110	Toward a Slow-Release Borate Inhibitor To Control Mild Steel Corrosion in Simulated Recirculating Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4183-4197.	8.0	56
111	Granulation of drinking water treatment residuals as applicable media for phosphorus removal. <i>Journal of Environmental Management</i> , 2018, 213, 36-46.	7.8	48
112	A Comparative Study between a Failed and a Successful Eruption Initiated from the Same Polarity Inversion Line in AR 11387. <i>Astrophysical Journal</i> , 2018, 858, 121.	4.5	17
113	Ultrawideband Risingâ€š Tone Chorus Waves Observed Inside the Oscillating Plasmopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6670-6678.	2.4	11
114	Titan's Variable Ionosphere During the T118 and T119 Cassini Flybys. <i>Geophysical Research Letters</i> , 2018, 45, 8721-8728.	4.0	2
115	Rapid Buildup of a Magnetic Flux Rope during a Confined X2.2 Class Flare in NOAA AR 12673. <i>Astrophysical Journal Letters</i> , 2018, 867, L5.	8.3	38
116	Ionization Efficiency in the Dayside Martian Upper Atmosphere. <i>Astrophysical Journal Letters</i> , 2018, 857, L18.	8.3	22
117	Effects of ultrasonic field on the Pbâ€šSn alloys during heating process. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2018, 49, 928-933.	0.9	0
118	Threeâ€šdimensional morphology of eutectic silicon in asâ€šcast Alâ€š20â€šwt% Si alloy with ultrasonic treatment. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017, 48, 177-182.	0.9	3
119	Photoionization Modeling of Titanâ€šs Dayside Ionosphere. <i>Astrophysical Journal Letters</i> , 2017, 850, L26.	8.3	3
120	The Energetic Particle Environment of the Lunar Nearside: SEP Influence. <i>Astrophysical Journal</i> , 2017, 849, 151.	4.5	6
121	Effect of pH on the Passivation of Carbon Steel by Sodium Borosilicate Controlled-Release Inhibitor in Simulated Recirculating Cooling Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7239-7252.	3.7	8
122	The Structure of Titanâ€šs N <sub>2</sub> and CH <sub>4</sub> Coronae. <i>Astronomical Journal</i> , 2017, 154, 271.	4.7	6
123	A method to estimate the neutral atmospheric density near the ionospheric main peak of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3464-3475.	2.4	4
124	THE VARIABILITY OF HCN IN TITANâ€šs UPPER ATMOSPHERE AS IMPLIED BY THE CASSINI ION-NEUTRAL MASS SPECTROMETER MEASUREMENTS. <i>Astrophysical Journal Letters</i> , 2016, 826, L5.	8.3	10
125	SUPRATHERMAL ELECTRONS IN TITANâ€šs SUNLIT IONOSPHERE: MODELâ€šOBSERVATION COMPARISONS. <i>Astrophysical Journal</i> , 2016, 826, 131.	4.5	8
126	Influence of local ionization on ionospheric densities in Titan's upper atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5899-5921.	2.4	10



#	ARTICLE	IF	CITATIONS
127	The electron thermal structure in the dayside Martian ionosphere implied by the MGS radio occultation data. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 278-286.	3.6	22
128	Day-to-night transport in the Martian ionosphere: Implications from total electron content measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2333-2346.	2.4	38
129	Martian electron density profiles retrieved from Mars Express dual-frequency radio occultation measurements. <i>Advances in Space Research</i> , 2015, 55, 2177-2189.	2.6	5
130	Ionization balance in Titan's nightside ionosphere. <i>Icarus</i> , 2015, 248, 539-546.	2.5	22
131	Titan's upper atmosphere/exosphere, escape processes, and rates. , 2014, , 355-375.		7
132	Density waves in Titan's upper atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 490-518.	2.4	19
133	Study on casting composite ingot of 4045/3004/4045 aluminum alloys. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 44-48.	0.9	2
134	On the thermal electron balance in Titan's sunlit upper atmosphere. <i>Icarus</i> , 2013, 223, 234-251.	2.5	35
135	The thermal structure of Titan's upper atmosphere, I: Temperature profiles from Cassini INMS observations. <i>Icarus</i> , 2013, 226, 552-582.	2.5	72
136	Compositional effects in Titan's thermospheric gravity waves. <i>Geophysical Research Letters</i> , 2013, 40, 43-47.	4.0	13
137	The Solar Wind interactions with Lunar Magnetic Anomalies: A case study of the Chang'e-2 plasma data near the Serenitatis antipode. <i>Advances in Space Research</i> , 2012, 50, 1600-1606.	2.6	15
138	The CH <sub>4</sub> structure in Titan's upper atmosphere revisited. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	61
139	Suprathermal electron spectra in the Venus ionosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	21
140	The implications of the H <sub>2</sub> variability in Titan's exosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
141	Lunar exosphere influence on lunar-based near-ultraviolet astronomical observations. <i>Advances in Space Research</i> , 2011, 48, 1927-1934.	2.6	8
142	Recent Results from Titan's Ionosphere. <i>Space Science Reviews</i> , 2011, 162, 85-111.	8.1	14
143	Experimental investigation of microsegregation in low frequency electromagnetic casting 7075 aluminum alloy. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 500-505.	0.9	9
144	Recent Results from Titan's Ionosphere. <i>Space Sciences Series of ISSI</i> , 2011, , 85-111.	0.0	3

#	ARTICLE	IF	CITATIONS
145	Ion transport in Titan's upper atmosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
146	Dynamical and magnetic field time constants for Titan's ionosphere: Empirical estimates and comparisons with Venus. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
147	Ionization sources in Titan's deep ionosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
148	Formation of NH <sub>3</sub> and CH <sub>2</sub> NH in Titan's upper atmosphere. <i>Faraday Discussions</i> , 2010, 147, 31.	3.2	66
149	Analysis of Titan's neutral upper atmosphere from Cassini Ion Neutral Mass Spectrometer measurements. <i>Icarus</i> , 2009, 200, 581-615.	2.5	276
150	On the ionospheric structure of Titan. <i>Planetary and Space Science</i> , 2009, 57, 1821-1827.	1.7	119
151	On the amount of heavy molecular ions in Titan's ionosphere. <i>Planetary and Space Science</i> , 2009, 57, 1857-1865.	1.7	96
152	Diurnal variations of Titan's ionosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69
153	Methane escape from Titan's atmosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	114
154	Distribution and escape of molecular hydrogen in Titan's thermosphere and exosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	83
155	Horizontal structures and dynamics of Titan's thermosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	83
156	Formation and distribution of benzene on Titan. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	174
157	Elemental abundance measurements in low-redshift damped Lyman $\alpha$ absorbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 43-62.	4.4	48
158	Molecular Hydrogen in the Damped Ly $\alpha$ Absorber of Q1331+170. <i>Astrophysical Journal</i> , 2005, 633, 649-663.	4.5	73
159	Statistical Properties of Ultraluminous [ITAL]IRAS[/ITAL] Galaxies from an [ITAL]HST[/ITAL] Imaging Survey. <i>Astronomical Journal</i> , 2001, 122, 63-82.	4.7	47