

S W Bougher

List of Publications by Year in descending order

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184
papers

8,857
citations

31976

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188
all docs

188
docs citations

188
times ranked

2558
citing authors

#	ARTICLE	IF	CITATIONS
1	Martian nonmigrating atmospheric tides in the thermosphere and ionosphere at solar minimum. <i>Icarus</i> , 2023, 393, 114767.	2.5	2
2	MAVEN/NGIMS wind observations in the martian thermosphere during the 2018 planet encircling dust event. <i>Icarus</i> , 2022, 382, 115006.	2.5	2
3	A 3D Physics-Based Particle Model of the Venus Oxygen Corona: Variations With Solar Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	3
4	Observations and Modeling of Martian Auroras. <i>Space Science Reviews</i> , 2022, 218, .	8.1	1
5	Planetary-Scale Wave Impacts on the Venusian Upper Mesosphere and Lower Thermosphere. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	3.6	3
6	Tidal Effects on the Longitudinal Structures of the Martian Thermosphere and Topside Ionosphere Observed by MAVEN. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028562.	2.4	12
7	Latitudinal and Seasonal Asymmetries of the Helium Bulge in the Martian Upper Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006976.	3.6	8
8	MOSAIC: A Satellite Constellation to Enable Groundbreaking Mars Climate System Science and Prepare for Human Exploration. <i>Planetary Science Journal</i> , 2021, 2, 211.	3.6	6
9	Mars Dust Storm Effects in the Ionosphere and Magnetosphere and Implications for Atmospheric Carbon Loss. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, no.	2.4	23
10	Structural and Compositional Changes in the Upper Atmosphere Related to the PEDE-2018 Dust Event on Mars as Observed by MAVEN NGIMS. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL084378.	4.0	38
11	Martian Thermospheric Warming Associated With the Planet Encircling Dust Event of 2018. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085302.	4.0	34
12	Imaging of Martian Circulation Patterns and Atmospheric Tides Through MAVEN/IUVS Nightglow Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027318.	2.4	13
13	Tidal Wave-Driven Variability in the Mars Ionosphere-Thermosphere System. <i>Atmosphere</i> , 2020, 11, 521.	2.3	14
14	Effects of Global and Regional Dust Storms on the Martian Hot O Corona and Photochemical Loss. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027115.	2.4	15
15	Mars Upper Atmospheric Responses to the 10 September 2017 Solar Flare: A Global, Time-Dependent Simulation. <i>Geophysical Research Letters</i> , 2019, 46, 9334-9343.	4.0	19
16	Importance of Ambipolar Electric Field in Driving Ion Loss From Mars: Results From a Multifluid MHD Model With the Electron Pressure Equation Included. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9040-9057.	2.4	27
17	Effect of Dust Storm and GCR Impact on the Production Rate of O ³⁺ in MY 28 and MY 29: Modeling and SPICAM Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2271-2282.	2.4	1
18	MAVEN/NGIMS Thermospheric Neutral Wind Observations: Interpretation Using the M-GITM General Circulation Model. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3283-3303.	3.6	20

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19	Global circulation of Mars's upper atmosphere. <i>Science</i> , 2019, 366, 1363-1366.	12.6	20
20	First Evidence of Persistent Nighttime Temperature Structures in the Neutral Thermosphere of Mars. <i>Geophysical Research Letters</i> , 2018, 45, 8819-8825.	4.0	7
21	Comparison of Global Martian Plasma Models in the Context of MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3714-3726.	2.4	15
22	Solar Wind Interaction With the Martian Upper Atmosphere: Roles of the Cold Thermosphere and Hot Oxygen Corona. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6639-6654.	2.4	14
23	Multispecies and Multifluid MHD Approaches for the Study of Ionospheric Escape at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7370-7383.	2.4	5
24	Mars Thermospheric Variability Revealed by MAVEN EUVM Solar Occultations: Structure at Aphelion and Perihelion and Response to EUV Forcing. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2248-2269.	3.6	26
25	Modeling Martian Atmospheric Losses over Time: Implications for Exoplanetary Climate Evolution and Habitability. <i>Astrophysical Journal Letters</i> , 2018, 859, L14.	8.3	51
26	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , 2018, 315, 146-157.	2.5	216
27	Observations and Modeling of the Mars Low Altitude Ionospheric Response to the 10 September 2017 X-class Solar Flare. <i>Geophysical Research Letters</i> , 2018, 45, 7382-7390.	4.0	30
28	Effects of a Solar Flare on the Martian Hot O Corona and Photochemical Escape. <i>Geophysical Research Letters</i> , 2018, 45, 6814-6822.	4.0	19
29	Mars thermosphere as seen in MAVEN accelerometer data. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3798-3814.	2.4	60
30	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3815-3836.	2.4	106
31	He bulge revealed: He and CO ₂ diurnal and seasonal variations in the upper atmosphere of Mars as detected by MAVEN NGIMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2564-2573.	2.4	52
32	Ionospheric control of the dawn-dusk asymmetry of the Mars magnetotail current sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6397-6414.	2.4	17
33	Nitric oxide nightglow and Martian mesospheric circulation from MAVEN/IUVS observations and LMD-MGCM predictions. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5782-5797.	2.4	36
34	The MAVEN EUVM model of solar spectral irradiance variability at Mars: Algorithms and results. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2748-2767.	2.4	116
35	The structure and variability of Mars dayside thermosphere from MAVEN NGIMS and IUVS measurements: Seasonal and solar activity trends in scale heights and temperatures. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1296-1313.	2.4	124
36	Hot oxygen escape from Mars: Simple scaling with solar EUV irradiance. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1102-1116.	2.4	40

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37	Estimates of Ionospheric Transport and Ion Loss at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 10,626.	2.4	24
38	Thermal Structure and Composition. , 2017, , 42-75.		19
39	Upper Neutral Atmosphere and Ionosphere. , 2017, , 433-463.		33
40	Solar Wind Interaction and Atmospheric Escape. , 2017, , 464-496.		18
41	Aeronomy of the Venus Upper Atmosphere. Space Science Reviews, 2017, 212, 1617-1683.	8.1	33
42	A Monte Carlo model of crustal field influences on solar energetic particle precipitation into the Martian atmosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5653-5669.	2.4	10
43	Pressure and ion composition boundaries at Mars. Journal of Geophysical Research: Space Physics, 2016, 121, 6417-6429.	2.4	34
44	Global response of the upper thermospheric winds to large ion drifts in the Jovian ovals. Journal of Geophysical Research: Space Physics, 2016, 121, 4647-4667.	2.4	6
45	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 8859-8870.	2.4	33
46	Deep nightside photoelectron observations by MAVEN SWEA: Implications for Martian northern hemispheric magnetic topology and nightside ionosphere source. Geophysical Research Letters, 2016, 43, 8876-8884.	4.0	54
47	Ionospheric loss from Mars as predicted by hybrid particle simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 10,190.	2.4	22
48	Electron energetics in the Martian dayside ionosphere: Model comparisons with MAVEN data. Journal of Geophysical Research: Space Physics, 2016, 121, 7049-7066.	2.4	38
49	Martian high-altitude photoelectrons independent of solar zenith angle. Journal of Geophysical Research: Space Physics, 2016, 121, 3767-3780.	2.4	28
50	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. Space Science Reviews, 2015, 195, 357-422.	8.1	99
51	Structure and composition of the neutral upper atmosphere of Mars from the MAVEN NGIMS investigation. Geophysical Research Letters, 2015, 42, 8951-8957.	4.0	168
52	Multifluid MHD study of the solar wind interaction with Mars' upper atmosphere during the 2015 March 8th ICME event. Geophysical Research Letters, 2015, 42, 9103-9112.	4.0	54
53	Retrieval of CO ₂ and N ₂ in the Martian thermosphere using dayglow observations by IUVS on MAVEN. Geophysical Research Letters, 2015, 42, 9040-9049.	4.0	43
54	New observations of molecular nitrogen in the Martian upper atmosphere by IUVS on MAVEN. Geophysical Research Letters, 2015, 42, 9050-9056.	4.0	41

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55	Enhanced carbon dioxide causing the dust storm-related increase in high-altitude photoelectron fluxes at Mars. <i>Geophysical Research Letters</i> , 2015, 42, 9702-9710.	4.0	25
56	Mars Global Ionosphere-Thermosphere Model: Solar cycle, seasonal, and diurnal variations of the Mars upper atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 311-342.	3.6	210
57	Solar wind interaction with the Martian upper atmosphere: Crustal field orientation, solar cycle, and seasonal variations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7857-7872.	2.4	51
58	Model insights into energetic photoelectrons measured at Mars by MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 8894-8900.	4.0	28
59	A comparison of 3D model predictions of Mars' oxygen corona with early MAVEN IUVS observations. <i>Geophysical Research Letters</i> , 2015, 42, 9015-9022.	4.0	35
60	Comparison of model predictions for the composition of the ionosphere of Mars to MAVEN NGIMS data. <i>Geophysical Research Letters</i> , 2015, 42, 8966-8976.	4.0	25
61	Probing the Martian atmosphere with MAVEN/IUVS stellar occultations. <i>Geophysical Research Letters</i> , 2015, 42, 9064-9070.	4.0	42
62	Hot oxygen corona at Mars and the photochemical escape of oxygen: Improved description of the thermosphere, ionosphere, and exosphere. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1880-1892.	3.6	38
63	The spatial distribution of planetary ion fluxes near Mars observed by MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 9142-9148.	4.0	115
64	The Aeronomy of Mars: Characterization by MAVEN of the Upper Atmosphere Reservoir That Regulates Volatile Escape. <i>Space Science Reviews</i> , 2015, 195, 423-456.	8.1	63
65	Application of MAVEN Accelerometer and Attitude Control Data to Mars Atmospheric Characterization. <i>Space Science Reviews</i> , 2015, 195, 303-317.	8.1	26
66	Distribution of sulphuric acid aerosols in the clouds and upper haze of Venus using Venus Express VAST and VeRa temperature profiles. <i>Planetary and Space Science</i> , 2015, 113-114, 205-218.	1.7	47
67	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. <i>Space Science Reviews</i> , 2015, 195, 3-48.	8.1	563
68	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	12.6	166
69	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	12.6	90
70	Carbon monoxide and temperature in the upper atmosphere of Venus from VIRTIS/Venus Express non-LTE limb measurements. <i>Icarus</i> , 2015, 248, 478-498.	2.5	41
71	Mars thermospheric scale height: CO Cameron and CO ₂ + dayglow observations from Mars Express. <i>Icarus</i> , 2015, 245, 295-305.	2.5	29
72	Hot carbon corona in Mars' upper thermosphere and exosphere: 2. Solar cycle and seasonal variability. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2487-2509.	3.6	12

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73	Pickup ion measurements by MAVEN: A diagnostic of photochemical oxygen escape from Mars. <i>Geophysical Research Letters</i> , 2014, 41, 4812-4818.	4.0	23
74	Solar wind interaction with Mars upper atmosphere: Results from the one-way coupling between the multifluid MHD model and the MTGCM model. <i>Geophysical Research Letters</i> , 2014, 41, 2708-2715.	4.0	71
75	Developing a self-consistent description of Titan's upper atmosphere without hydrodynamic escape. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4957-4972.	2.4	38
76	Test particle comparison of heavy atomic and molecular ion distributions at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2328-2344.	2.4	21
77	Hot carbon corona in Mars's upper thermosphere and exosphere: 1. Mechanisms and structure of the hot corona for low solar activity at equinox. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 905-924.	3.6	19
78	Incorporation of a gravity wave momentum deposition parameterization into the Venus Thermosphere General Circulation Model (VTGCM). <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 147-160.	3.6	22
79	The importance of pickup oxygen ion precipitation to the Mars upper atmosphere under extreme solar wind conditions. <i>Geophysical Research Letters</i> , 2013, 40, 1922-1927.	4.0	45
80	Characterization of middle atmosphere polar warming at Mars. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 161-178.	3.6	16
81	On wind-driven electrojets at magnetic cusps in the nightside ionosphere of Mars. <i>Earth, Planets and Space</i> , 2012, 64, 93-103.	2.5	23
82	Dayside thermal structure of Venus' upper atmosphere characterized by a global model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
83	Modeled O ₂ nightglow distributions in the Venusian atmosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
84	Time-history influence of global dust storms on the upper atmosphere at Mars. <i>Geophysical Research Letters</i> , 2012, 39, n/a-n/a.	4.0	16
85	Atomic oxygen distributions in the Venus thermosphere: Comparisons between Venus Express observations and global model simulations. <i>Icarus</i> , 2012, 217, 759-766.	2.5	30
86	Simulating the one-dimensional structure of Titan's upper atmosphere: 3. Mechanisms determining methane escape. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	24
87	Understanding the variability of nightside temperatures, NO UV and O ₂ IR nightglow emissions in the Venus upper atmosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	57
88	Spectro-imaging observations of Jupiter's 2 $\frac{1}{4}$ m auroral emission. II: Thermospheric winds. <i>Icarus</i> , 2011, 211, 1233-1241.	2.5	18
89	A comparison of global models for the solar wind interaction with Mars. <i>Icarus</i> , 2010, 206, 139-151.	2.5	108
90	Simulating the density and thermal structure of the middle atmosphere (1480-130km) of Mars using the MGCM-MTGCM: A comparison with MEX/SPICAM observations. <i>Icarus</i> , 2010, 206, 5-17.	2.5	50

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91	Thermal and wind structure of the Martian thermosphere as given by two General Circulation Models. <i>Planetary and Space Science</i> , 2010, 58, 1832-1849.	1.7	24
92	A study of suprathreshold oxygen atoms in Mars upper thermosphere and exosphere over the range of limiting conditions. <i>Icarus</i> , 2010, 206, 18-27.	2.5	67
93	Localized ionization patches in the nighttime ionosphere of Mars and their electrodynamic consequences. <i>Icarus</i> , 2010, 206, 112-119.	2.5	54
94	Water loss and evolution of the upper atmosphere and exosphere over martian history. <i>Icarus</i> , 2010, 206, 28-39.	2.5	40
95	Modeling photoelectron transport in the Martian ionosphere at Olympus Mons and Syrtis Major: MGS observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
96	Mars ultraviolet dayglow variability: SPICAM observations and comparison with airglow model. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
97	Four Martian years of nightside upper thermospheric mass densities derived from electron reflectometry: Method extension and comparison with GCM simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
98	Simulations of atmospheric phenomena at the Phoenix landing site with the Ames General Circulation Model. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	6
99	Simulating the one-dimensional structure of Titan's upper atmosphere: 1. Formulation of the Titan Global Ionosphere-Thermosphere Model and benchmark simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
100	Simulating the one-dimensional structure of Titan's upper atmosphere: 2. Alternative scenarios for methane escape. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
101	Nightside ionosphere of Mars: Modeling the effects of crustal magnetic fields and electron pitch angle distributions on electron impact ionization. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	88
102	Three-dimensional study of Mars upper thermosphere/ionosphere and hot oxygen corona: 1. General description and results at equinox for solar low conditions. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	56
103	Three-dimensional study of Mars upper thermosphere/ionosphere and hot oxygen corona: 2. Solar cycle, seasonal variations, and evolution over history. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	60
104	Processes of auroral thermal structure at Jupiter: Analysis of multispectral temperature observations with the Jupiter Thermosphere General Circulation Model. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
105	Solar cycle variability of Mars dayside exospheric temperatures: Model evaluation of underlying thermal balances. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	86
106	Cross Sections and Reaction Rates for Comparative Planetary Aeronomy. <i>Space Science Reviews</i> , 2008, 139, 63-105.	8.1	74
107	Neutral Upper Atmosphere and Ionosphere Modeling. <i>Space Science Reviews</i> , 2008, 139, 107-141.	8.1	85
108	Neutral Atmospheres. <i>Space Science Reviews</i> , 2008, 139, 191-234.	8.1	27

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109	Continuous monitoring of nightside upper thermospheric mass densities in the martian southern hemisphere over 4 martian years using electron reflectometry. <i>Icarus</i> , 2008, 194, 562-574.	2.5	19
110	An improved crustal magnetic field map of Mars from electron reflectometry: Highland volcano magmatic history and the end of the martian dynamo. <i>Icarus</i> , 2008, 194, 575-596.	2.5	106
111	Monte Carlo model of electron transport for the calculation of Mars dayglow emissions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	68
112	Heating Titan's upper atmosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
113	Neutral Upper Atmosphere and Ionosphere Modeling. <i>Space Sciences Series of ISSI</i> , 2008, , 107-141.	0.0	1
114	Neutral Atmospheres. <i>Space Sciences Series of ISSI</i> , 2008, , 191-234.	0.0	1
115	Cross Sections and Reaction Rates for Comparative Planetary Aeronomy. <i>Space Sciences Series of ISSI</i> , 2008, , 63-105.	0.0	2
116	Application of Accelerometer Data to Atmospheric Modeling During Mars Aerobraking Operations. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 1172-1179.	1.9	41
117	Zonal Wind Calculations from Mars Global Surveyor Accelerometer and Rate Data. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 1180-1187.	1.9	15
118	Venus atmosphere dynamics: A continuing enigma. <i>Geophysical Monograph Series</i> , 2007, , 101-120.	0.1	22
119	Model calculations of electron precipitation induced ionization patches on the nightside of Mars. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47
120	Vertical dust mixing and the interannual variations in the Mars thermosphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	58
121	Calculation of Zonal Winds Using Accelerometer and Rate Data from Mars Global Surveyor. , 2006, , .		2
122	Application of MGS and ODY Aerobraking Accelerometer Data to Atmospheric Modeling. , 2006, , .		1
123	Polar warming in the Mars thermosphere: Seasonal variations owing to changing insolation and dust distributions. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	121
124	On the origin of aurorae on Mars. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	139
125	Numerical interpretation of high-altitude photoelectron observations. <i>Icarus</i> , 2006, 182, 383-395.	2.5	56
126	Dynamics of the Venus upper atmosphere: Outstanding problems and new constraints expected from Venus Express. <i>Planetary and Space Science</i> , 2006, 54, 1371-1380.	1.7	66

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127	Jupiter Thermospheric General Circulation Model (JTGCM): Global structure and dynamics driven by auroral and Joule heating. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	69
128	Processes of equatorial thermal structure at Jupiter: An analysis of the Galileo temperature profile with a three-dimensional model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	17
129	Probing upper thermospheric neutral densities at Mars using electron reflectometry. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	19
130	The ionospheresâ€“thermospheres of the giant planets. <i>Advances in Space Research</i> , 2004, 33, 197-211.	2.6	35
131	DYNAMO: a Mars upper atmosphere package for investigating solar wind interaction and escape processes, and mapping Martian fields. <i>Advances in Space Research</i> , 2004, 33, 2228-2235.	2.6	3
132	MGS Radio Science electron density profiles: Interannual variability and implications for the Martian neutral atmosphere. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	132
133	The effects of topographically-controlled thermal tides in the martian upper atmosphere as seen by the MGS accelerometer. <i>Icarus</i> , 2003, 164, 14-32.	2.5	109
134	Simulations of the Upper atmospheres of the terrestrial planets. <i>Geophysical Monograph Series</i> , 2002, , 261-288.	0.1	33
135	Nonmigrating tides in the thermosphere of Mars. <i>Journal of Geophysical Research</i> , 2002, 107, 23-1-23-12.	3.3	88
136	Prediction of a CO ₂ -layer in the atmosphere of Mars. <i>Geophysical Research Letters</i> , 2002, 29, 104-1-104-4.	4.0	83
137	Mars-GRAM 2000: A Mars atmospheric model for engineering applications. <i>Advances in Space Research</i> , 2002, 29, 193-202.	2.6	54
138	TERMOPAC/ADIP : A generic package for long-term monitoring of the Martian thermosphere. <i>Advances in Space Research</i> , 2002, 29, 203-208.	2.6	6
139	Mars Global Surveyor radio science electron density profiles : Neutral atmosphere implications. <i>Geophysical Research Letters</i> , 2001, 28, 3091-3094.	4.0	154
140	Kelvin wave propagation in the upper atmospheres of Mars and Earth. <i>Advances in Space Research</i> , 2001, 27, 1791-1800.	2.6	12
141	Scientific objectives of the DYNAMO mission. <i>Advances in Space Research</i> , 2001, 27, 1851-1860.	2.6	4
142	Comparative terrestrial planet thermospheres: 3. Solar cycle variation of global structure and winds at solstices. <i>Journal of Geophysical Research</i> , 2000, 105, 17669-17692.	3.3	235
143	Mars Global Surveyor aerobraking: Atmospheric trends and model interpretation. <i>Advances in Space Research</i> , 1999, 23, 1887-1897.	2.6	64
144	Comparative terrestrial planet thermospheres: 2. Solar cycle variation of global structure and winds at equinox. <i>Journal of Geophysical Research</i> , 1999, 104, 16591-16611.	3.3	215

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145	A two-dimensional MHD model of the solar wind interaction with Mars. Earth, Planets and Space, 1999, 51, 55-60.	2.5	35
146	The Mars thermosphere-ionosphere: Predictions for the arrival of Planet-B. Earth, Planets and Space, 1998, 50, 247-257.	2.5	10
147	The Planet-B neutral gas mass spectrometer. Earth, Planets and Space, 1998, 50, 785-792.	2.5	12
148	The Structure of the Upper Atmosphere of Mars: In Situ Accelerometer Measurements from Mars Global Surveyor. Science, 1998, 279, 1672-1676.	12.6	234
149	Dust storm impacts on the Mars upper atmosphere. Advances in Space Research, 1997, 19, 1255-1260.	2.6	41
150	Thermosphere. , 1997, , 819-825.		3
151	Introduction to the Venus II special section. Journal of Geophysical Research, 1996, 101, 4523-4524.	3.3	0
152	The impact of gravity waves on the Venus thermosphere and O ₂ IR nightglow. Journal of Geophysical Research, 1996, 101, 23195-23205.	3.3	33
153	Comparative thermospheres: Venus and Mars. Advances in Space Research, 1995, 15, 21-45.	2.6	20
154	CO ₂ cooling in terrestrial planet thermospheres. Earth, Moon and Planets, 1994, 67, 31-33.	0.6	3
155	Global Circulation, Thermal Structure, and Carbon Monoxide Distribution in Venus' Mesosphere in 1991. Icarus, 1994, 110, 315-339.	2.5	76
156	Venus O ₂ visible and IR nightglow: Implications for lower thermosphere dynamics and chemistry. Journal of Geophysical Research, 1994, 99, 3759.	3.3	61
157	CO ₂ cooling in terrestrial planet thermospheres. Journal of Geophysical Research, 1994, 99, 14609.	3.3	65
158	Mars mesosphere and thermosphere coupling: Semidiurnal tides. Journal of Geophysical Research, 1993, 98, 3281-3295.	3.3	36
159	Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during Orbiter re-entry. Geophysical Research Letters, 1993, 20, 2747-2750.	4.0	20
160	Wave-like perturbations observed at low altitudes by the Pioneer Venus Orbiter Neutral Mass Spectrometer during orbiter entry. Geophysical Research Letters, 1993, 20, 2755-2758.	4.0	20
161	The ancient oxygen exosphere of Mars: Implications for atmosphere evolution. Journal of Geophysical Research, 1993, 98, 10915-10923.	3.3	104
162	Local time asymmetries in the Venus thermosphere. Journal of Geophysical Research, 1993, 98, 10849-10871.	3.3	26

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