

Jupiter's atmospheric jet streams extend thousands of kilometers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A suppression of differential rotation in Jupiter's deep interior. <i>Nature</i> , 2018, 555, 227-230.	13.7	165
2	Measurement of Jupiter's asymmetric gravity field. <i>Nature</i> , 2018, 555, 220-222.	13.7	177
3	Pro'sam collaborations improve views of Jupiter. <i>Astronomy and Geophysics</i> , 2018, 59, 4.24-4.31.	0.1	2
4	Matrix-propagator approach to compute fluid Love numbers and applicability to extrasolar planets. <i>Astronomy and Astrophysics</i> , 2018, 620, A178.	2.1	12
5	Instabilities and Flow Structures in Protoplanetary Disks: Setting the Stage for Planetesimal Formation. , 2018, , 2251-2286.		8
6	Vertically Sheared Horizontal Flow-Forming Instability in Stratified Turbulence: Analytical Linear Stability Analysis of Statistical State Dynamics Equilibria. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 4201-4227.	0.6	7
7	Instabilities and Flow Structures in Protoplanetary Disks: Setting the Stage for Planetesimal Formation. , 2018, , 1-36.		3
8	Computer simulations of Jupiter's deep internal dynamics help interpret what Juno sees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6896-6904.	3.3	12
9	Origin of Jupiter's cloud-level zonal winds remains a puzzle even after Juno. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8499-8504.	3.3	57
10	Size and Strength of Self-excited Dynamos in Jupiter-like Extrasolar Planets. <i>Astrophysical Journal</i> , 2018, 862, 19.	1.6	12
11	A deeper look at Jupiter. <i>Nature</i> , 2018, 555, 168-169.	13.7	0
12	Jupiter's wind bands have deep roots. <i>Physics Today</i> , 2018, 71, 19-21.	0.3	1
13	Layered semi-convection and tides in giant planet interiors. <i>Astronomy and Astrophysics</i> , 2019, 626, A82.	2.1	15
14	Analytical Estimation of the Widths of Hadley Cells in the Solar System. <i>Astrophysical Journal</i> , 2019, 879, 126.	1.6	1
15	Analysis of Jupiter's Deep Jets Combining Juno Gravity and Time-varying Magnetic Field Measurements. <i>Astrophysical Journal Letters</i> , 2019, 879, L22.	3.0	14
16	Radio Science at Jupiter: Past Investigations, Current Results, and Future Prospects. , 2019, , .		1
17	Models of Saturn's Interior Constructed with an Accelerated Concentric Maclaurin Spheroid Method. <i>Astrophysical Journal</i> , 2019, 879, 78.	1.6	46
18	Raymond Hide. 17 May 1929-6 September 2016. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2019, 67, 191-215.	0.1	2

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19	Effect of Juno's Solar Panel Bending on Gravity Measurements. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 2694-2699.	1.6	4
20	Tidal dissipation in stars and giant planets: Jean-Paul Zahn's pioneering work and legacy. <i>EAS Publications Series</i> , 2019, 82, 5-33.	0.3	11
21	A solution of Jupiter's gravitational field from Juno data with the orbit14 software. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 766-772.	1.6	12
22	An equatorial thermal wind equation: Applications to Jupiter. <i>Icarus</i> , 2019, 324, 198-223.	1.1	12
23	Cassini Ring Seismology as a Probe of Saturn's Interior. I. Rigid Rotation. <i>Astrophysical Journal</i> , 2019, 871, 1.	1.6	70
24	Dynamo Action in the Steeply Decaying Conductivity Region of Jupiter-Like Dynamo Models. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 837-863.	1.5	20
25	On the determination of Jupiter's satellite-dependent Love numbers from Juno gravity data. <i>Planetary and Space Science</i> , 2019, 175, 34-40.	0.9	10
26	Anelastic torsional oscillations in Jupiter's metallic hydrogen region. <i>Earth and Planetary Science Letters</i> , 2019, 519, 50-60.	1.8	6
27	Tesseral Harmonics of Jupiter from Static Tidal Response. <i>Astrophysical Journal</i> , 2019, 874, 156.	1.6	7
28	Time variation of Jupiter's internal magnetic field consistent with zonal wind advection. <i>Nature Astronomy</i> , 2019, 3, 730-735.	4.2	46
29	Determining the Depth of Jupiter's Great Red Spot with Juno: A Slepian Approach. <i>Astrophysical Journal Letters</i> , 2019, 874, L24.	3.0	13
30	Analytical ray-tracing in planetary atmospheres. <i>Astronomy and Astrophysics</i> , 2019, 624, A41.	2.1	10
31	New Models of Jupiter in the Context of Juno and Galileo. <i>Astrophysical Journal</i> , 2019, 872, 100.	1.6	114
32	Jupiter's Turbulent Power Spectra From Hubble Space Telescope. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1204-1225.	1.5	4
33	Simulating Jupiter's weather layer. Part I: Jet spin-up in a dry atmosphere. <i>Icarus</i> , 2019, 326, 225-252.	1.1	33
35	Dynamo action of the zonal winds in Jupiter. <i>Astronomy and Astrophysics</i> , 2019, 629, A125.	2.1	20
36	Understanding Jupiter's deep interior: the effect of a dilute core. <i>Astronomy and Astrophysics</i> , 2019, 632, A76.	2.1	13
37	Implementation of the system II transit point data for investigating the reduction of the rotational speed of the planet Jupiter. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	0

#	ARTICLE	IF	CITATIONS
38	First measurements of Jupiter's zonal winds with visible imaging spectroscopy. <i>Icarus</i> , 2019, 319, 795-811.	1.1	10
39	Measurement and implications of Saturn's gravity field and ring mass. <i>Science</i> , 2019, 364, .	6.0	148
40	Is spontaneous generation of coherent baroclinic flows possible?. <i>Journal of Fluid Mechanics</i> , 2019, 862, 889-923.	1.4	3
41	Tidal power and banding in Jupiter. <i>Planetary and Space Science</i> , 2019, 165, 244-249.	0.9	3
42	Long-term tracking of circumpolar cyclones on Jupiter from polar observations with JunoCam. <i>Icarus</i> , 2020, 335, 113405.	1.1	29
43	Global climate modeling of Saturn's atmosphere. Part II: Multi-annual high-resolution dynamical simulations. <i>Icarus</i> , 2020, 335, 113377.	1.1	31
44	A mascon approach to estimating the depth of Jupiter's Great Red Spot with Juno gravity measurements. <i>Planetary and Space Science</i> , 2020, 181, 104781.	0.9	5
45	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. <i>Icarus</i> , 2020, 344, 113541.	1.1	33
46	Poleward translation of vortices due to deep thermal convection on a rotating planet. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020, 114, 821-834.	0.4	3
47	Constraining the depth of the winds on Uranus and Neptune via Ohmic dissipation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 621-638.	1.6	13
48	Deep model simulation of polar vortices in gas giant atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4698-4715.	1.6	16
49	Equatorial retrograde flow in WASP-43b elicited by deep wind jets?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3582-3614.	1.6	50
50	Numerical simulations help revealing the dynamics underneath the clouds of Jupiter. <i>Nature Communications</i> , 2020, 11, 2886.	5.8	6
51	Deep convection-driven vortex formation on Jupiter and Saturn. <i>Science Advances</i> , 2020, 6, .	4.7	25
52	Two-dimensional partially ionized magnetohydrodynamic turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 900, .	1.4	3
53	Superrotation in Planetary Atmospheres. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	22
54	Cassini Exploration of the Planet Saturn: A Comprehensive Review. <i>Space Science Reviews</i> , 2020, 216, 122.	3.7	15
55	Convective differential rotation in stars and planets – I. Theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3758-3781.	1.6	5

#	ARTICLE	IF	CITATIONS
56	Convective differential rotation in stars and planets – II. Observational and numerical tests. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3782-3806.	1.6	3
57	Atmospheric regimes and trends on exoplanets and brown dwarfs. Research in Astronomy and Astrophysics, 2020, 20, 099.	0.7	55
58	Updated Equipotential Shapes of Jupiter and Saturn Using Juno and Cassini Grand Finale Gravity Science Measurements. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006354.	1.5	10
59	Atmospheric Dynamics of Hot Giant Planets and Brown Dwarfs. Space Science Reviews, 2020, 216, 1.	3.7	57
60	From zonal flow to convection rolls in Rayleigh–Bénard convection with free-slip plates. Journal of Fluid Mechanics, 2020, 905, .	1.4	37
61	Convective storms and atmospheric vertical structure in Uranus and Neptune. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190476.	1.6	11
62	Resolving the Latitudinal Short-scale Gravity Field of Jupiter Using Slepian Functions. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006416.	1.5	3
63	Contributions to Jupiter's Gravity Field From Dynamics in the Dynamo Region. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006165.	1.5	5
64	Saturn's Rings as a Seismograph to Probe Saturn's Internal Structure. AGU Advances, 2020, 1, e2019AV000142.	2.3	5
65	The Deep Composition of Uranus and Neptune from In Situ Exploration and Thermochemical Modeling. Space Science Reviews, 2020, 216, 1.	3.7	16
66	Effects of Ground Station Delays on Plasma Calibrations for Juno Orbit Determination. , 2020, , .		1
67	Baroclinic and barotropic instabilities in planetary atmospheres: energetics, equilibration and adjustment. Nonlinear Processes in Geophysics, 2020, 27, 147-173.	0.6	16
68	Remote determination of the shape of Jupiter's vortices from laboratory experiments. Nature Physics, 2020, 16, 695-700.	6.5	14
69	Equilibrium Tidal Response of Jupiter: Detectability by the Juno Spacecraft. Astrophysical Journal, 2020, 891, 42.	1.6	17
70	How Well Do We Understand the Belt/Zone Circulation of Giant Planet Atmospheres?. Space Science Reviews, 2020, 216, 30.	3.7	45
71	The Range of Jupiter's Flow Structures That Fit the Juno Asymmetric Gravity Measurements. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006292.	1.5	14
72	Comparison of the Deep Atmospheric Dynamics of Jupiter and Saturn in Light of the Juno and Cassini Gravity Measurements. Space Science Reviews, 2020, 216, 1.	3.7	45
73	Acoustic spectra of a gas-filled rotating spheroid. European Journal of Mechanics, B/Fluids, 2020, 84, 302-310.	1.2	8

#	ARTICLE	IF	CITATIONS
74	Depth of Jupiter's Zonal Flow under the "Shallow-wind" Assumption. <i>Astrophysical Journal</i> , 2020, 897, 85.	1.6	2
75	Global climate modeling of Saturn's atmosphere. Part III: Global statistical picture of zonostrophic turbulence in high-resolution 3D-turbulent simulations. <i>Icarus</i> , 2020, 345, 113705.	1.1	12
76	Mechanisms for Limiting the Depth of Zonal Winds in the Gas Giant Planets. <i>Astrophysical Journal</i> , 2020, 890, 61.	1.6	34
77	Jupiter's Interior as Revealed by Juno. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 465-489.	4.6	41
78	The influence of deep jets on Jupiter's weather layer in a 1.5-km shallow-water model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1608-1625.	1.0	1
79	Revealing giant planet interiors beneath the cloudy veil. <i>Nature Communications</i> , 2020, 11, 1555.	5.8	3
80	A measurement of the wind speed on a brown dwarf. <i>Science</i> , 2020, 368, 169-172.	6.0	29
81	Linking zonal winds and gravity: the relative importance of dynamic self-gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3364-3374.	1.6	11
82	Updated Europa gravity field and interior structure from a reanalysis of Galileo tracking data. <i>Icarus</i> , 2021, 358, 114187.	1.1	24
83	Zonal jets at the laboratory scale: hysteresis and Rossby waves resonance. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	1.4	10
84	Jupiter. , 2021, , 108-122.		0
85	Capabilities and Performance of Juno's Radio Science Instrumentation. , 2021, , .		0
86	Connecting the Gravity Field, Moment of Inertia, and Core Properties in Jupiter through Empirical Structural Models. <i>Astrophysical Journal</i> , 2021, 910, 38.	1.6	6
87	Zonal flow reversals in two-dimensional Rayleigh-Bénard convection. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	9
88	First direct measurement of auroral and equatorial jets in the stratosphere of Jupiter. <i>Astronomy and Astrophysics</i> , 2021, 647, L8.	2.1	16
89	Towards an Understanding of the Structure of Jupiter's Atmosphere using the Ammonia Distribution and the Transformed Eulerian Mean Theory. <i>Journals of the Atmospheric Sciences</i> , 2021, , .	0.6	2
90	Deep, Closely Packed, Long-lived Cyclones on Jupiter's Poles. <i>Planetary Science Journal</i> , 2021, 2, 81.	1.5	13
92	Constraints on the Latitudinal Profile of Jupiter's Deep Jets. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092912.	1.5	13

#	ARTICLE	IF	CITATIONS
94	Determination of Jupiter's Mass from Juno Radio Tracking Data. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 1062-1067.	1.6	3
95	Linking zonal winds and gravity " II. Explaining the equatorially antisymmetric gravity moments of Jupiter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3177-3191.	1.6	10
96	In Situ exploration of the giant planets. <i>Experimental Astronomy</i> , 2022, 54, 975-1013.	1.6	5
97	A diffuse core in Saturn revealed by ring seismology. <i>Nature Astronomy</i> , 2021, 5, 1103-1109.	4.2	62
98	Linking Uranus's temperature profile to wind-induced magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1485-1490.	1.6	3
99	Inverse centrifugal effect induced by collective motion of vortices in rotating thermal convection. <i>Nature Communications</i> , 2021, 12, 5585.	5.8	7
100	A Quantitative Scaling Theory for Meridional Heat Transport in Planetary Atmospheres and Oceans. <i>AGU Advances</i> , 2021, 2, e2020AV000362.	2.3	12
101	Stable stratification promotes multiple zonal jets in a turbulent jovian dynamo model. <i>Icarus</i> , 2021, 368, 114514.	1.1	25
102	Atmospheric circulation of brown dwarfs and directly imaged exoplanets driven by cloud radiative feedback: global and equatorial dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2198-2219.	1.6	25
103	Saturn's Deep Atmospheric Flows Revealed by the Cassini Grand Finale Gravity Measurements. <i>Geophysical Research Letters</i> , 2019, 46, 616-624.	1.5	65
104	Jupiter's Gravity Field Halfway Through the Juno Mission. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086572.	1.5	79
105	Possible approach to detecting the mysterious Saturnian convective dynamo through gravitational sounding. <i>Astronomy and Astrophysics</i> , 2020, 644, A48.	2.1	2
106	Combined magnetic and gravity measurements probe the deep zonal flows of the gas giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2352-2362.	1.6	34
107	Magnetic quenching of the inverse cascade in rapidly rotating convective turbulence. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	7
108	Polar waves and chaotic flows in thin rotating spherical shells. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	7
109	Magnetic eddy viscosity of mean shear flows in two-dimensional magnetohydrodynamics. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	6
110	Hierarchical Modeling of Solar System Planets with Isca. <i>Atmosphere</i> , 2019, 10, 803.	1.0	14
111	Extremely Long Convergence Times in a 3D GCM Simulation of the Sub-Neptune Gliese 1214b. <i>Astrophysical Journal</i> , 2020, 891, 7.	1.6	29

#	ARTICLE	IF	CITATIONS
112	Jupiter-style Jet Stability. Planetary Science Journal, 2020, 1, 6.	1.5	9
113	Jupiter's Overturning Circulation: Breaking Waves Take the Place of Solid Boundaries. Geophysical Research Letters, 2021, 48, e2021GL095756.	1.5	11
114	Evidence for Multiple Ferrelâ€™Like Cells on Jupiter. Geophysical Research Letters, 2021, 48, e2021GL095651.	1.5	18
115	Jupiter's Temperate Belt/Zone Contrasts Revealed at Depth by Juno Microwave Observations. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006858.	1.5	17
116	Investigating Barotropic Zonal Flow in Jupiter's Deep Atmosphere Using Juno Gravitational Data. Journal of Geophysical Research E: Planets, 2021, 126, .	1.5	5
117	The depth of Jupiterâ€™s Great Red Spot constrained by Juno gravity overflights. Science, 2021, 374, 964-968.	6.0	18
118	Microwave observations reveal the deep extent and structure of Jupiterâ€™s atmospheric vortices. Science, 2021, 374, 968-972.	6.0	23
119	Uranus and Neptune are key to understand planets with hydrogen atmospheres. Experimental Astronomy, 2022, 54, 1027-1049.	1.6	7
120	The turbulent dynamics of Jupiterâ€™s and Saturnâ€™s weather layers: order out of chaos?. Geoscience Letters, 2020, 7, .	1.3	6
121	An exact solution for a particle in a velocity-dependent force field. American Journal of Physics, 2021, 89, 1103-1112.	0.3	0
122	Inverse cascade suppression and shear-layer formation in magnetohydrodynamic turbulence subject to a guide field and misaligned rotation. Journal of Fluid Mechanics, 2022, 935, .	1.4	2
123	Spontaneous Generated Convective Anticyclones at Low Latitudeâ€™A Model for the Great Red Spot. Astrophysical Journal, 2022, 925, 94.	1.6	0
124	A New Model of Jupiter's Magnetic Field at the Completion of Juno's Prime Mission. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	60
125	Jet streams and tracer mixing in the atmospheres of brown dwarfs and isolated young giant planets. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4861-4881.	1.6	11
126	Jupiterâ€™s inhomogeneous envelope. Astronomy and Astrophysics, 2022, 662, A18.	2.1	31
128	PMODE I: Design and Development of an Observatory for Characterizing Giant Planet Atmospheres and Interiors. Frontiers in Astronomy and Space Sciences, 2022, 9, .	1.1	3
129	The <tt>THOR+â€™HELIOS</tt> general circulation model: multiwavelength radiative transfer with accurate scattering by clouds/hazes. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3759-3787.	1.6	7
130	On the centrifugal effect in turbulent rotating thermal convection: onset and heat transport. Journal of Fluid Mechanics, 2022, 938, .	1.4	6

#	ARTICLE	IF	CITATIONS
131	Exploring the deep atmospheres of HD 209458b and WASP-43b using a non-gray general circulation model. <i>Astronomy and Astrophysics</i> , 2022, 664, A56.	2.1	13
132	The onset of zonal modes in two-dimensional Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	1.4	2
133	Exploring Ocean Circulation on Icy Moons Heated From Below. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	24
134	Polar and mid-latitude vortices and zonal flows on Jupiter and Saturn. <i>Icarus</i> , 2022, 379, 114942.	1.1	9
135	Orbit determination methods for interplanetary missions: development and use of the Orbit14 software. <i>Experimental Astronomy</i> , 2022, 53, 159-208.	1.6	3
136	Centrifugal-Force-Induced Flow Bifurcations in Turbulent Thermal Convection. <i>Physical Review Letters</i> , 2021, 127, 244501.	2.9	10
137	Theory of Figures to the Seventh Order and the Interiors of Jupiter and Saturn. <i>Planetary Science Journal</i> , 2021, 2, 241.	1.5	26
138	The Promise and Limitations of Precision Gravity: Application to the Interior Structure of Uranus and Neptune. <i>Planetary Science Journal</i> , 2022, 3, 88.	1.5	6
139	Differential Rotation in Jupiter's Interior Revealed by Simultaneous Inversion for the Magnetic Field and Zonal Flux Velocity. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	16
140	The Oscillatory Motion of Jupiter's Polar Cyclones Results From Vorticity Dynamics. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
141	Juno Spacecraft Measurements of Jupiter's Gravity Imply a Dilute Core. <i>Planetary Science Journal</i> , 2022, 3, 185.	1.5	23
142	The Internal Structure and Dynamics of Jupiter Unveiled by a High-Resolution Magnetic Field and Secular Variation Model. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
143	Juno Gravity Science: Five Years of Radio Science Operations with Ka-band Uplink. , 2022, , .		1
144	Juno spacecraft gravity measurements provide evidence for normal modes of Jupiter. <i>Nature Communications</i> , 2022, 13, .	5.8	11
145	Large-scale influence of numerical noises as artificial stochastic disturbances on a sustained turbulence. <i>Journal of Fluid Mechanics</i> , 2022, 948, .	1.4	8
146	Effect of slip length on flow dynamics and heat transport in two-dimensional Rayleigh-Bénard convection. <i>Journal of Turbulence</i> , 2022, 23, 492-514.	0.5	1
147	Magnetic damping of jet flows in quasi-two-dimensional Rayleigh-Bénard convection. <i>Physical Review E</i> , 2022, 106, .	0.8	1
148	Dynamo Simulations of Jupiter's Magnetic Field: The Role of Stable Stratification and a Dilute Core. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	5

#	ARTICLE	IF	CITATIONS
149	Zonal winds in the gas planets driven by convection above a stably stratified layer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 5584-5593.	1.6	5
150	Zonal jets experiments in the gas giants's zonal regime. <i>Icarus</i> , 2023, 390, 115292.	1.1	4
151	From planetary exploration goals to technology requirements. , 2023, , 177-248.		1
152	Jupiter's Banding and Jets May Be Caused by Tides. <i>Planetary Science Journal</i> , 2022, 3, 250.	1.5	2
153	Gravity Field of Ganymede After the Juno Extended Mission. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
154	Direct driving of simulated planetary jets by upscale energy transfer. <i>Astronomy and Astrophysics</i> , 2023, 670, A15.	2.1	4
155	Zonal Winds of Uranus and Neptune: Gravitational Harmonics, Dynamic Self-gravity, Shape, and Rotation. <i>Astronomical Journal</i> , 2023, 165, 27.	1.9	2
156	Waves in planetary dynamos. <i>Reviews of Modern Plasma Physics</i> , 2023, 7, .	2.2	0
157	Highlight Advances in Planetary Physics in the Solar System: In Situ Detection Over the Past 20 Years. <i>Space: Science & Technology</i> , 2023, 3, .	1.0	0
158	Nested spheroidal figures of equilibrium III. Connection with the gravitational moments J_2 and J_3 . <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	1
159	Jovian Autonomous Sailplane for Persistent Exploration and Research (JASPER). , 2023, , .		0
160	Interior and Evolution of the Giant Planets. <i>Remote Sensing</i> , 2023, 15, 681.	1.8	5
161	Unstructured grid dynamical modeling of planetary atmospheres using planetMPAS: The influence of the rigid lid, computational efficiency, and examples of Martian and Jovian application. <i>Planetary and Space Science</i> , 2023, 229, 105663.	0.9	1
162	The Deep Atmospheric Composition of Jupiter from Thermochemical Calculations Based on Galileo and Juno Data. <i>Remote Sensing</i> , 2023, 15, 841.	1.8	1
163	Jupiter's interior from Juno: Equation-of-state uncertainties and dilute core extent. <i>Astronomy and Astrophysics</i> , 2023, 672, A33.	2.1	9
164	The Shape of Jupiter and Saturn Based on Atmospheric Dynamics, Radio Occultations and Gravity Measurements. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	0
165	Saturn's Seismic Rotation Revisited. <i>Planetary Science Journal</i> , 2023, 4, 59.	1.5	3
166	Planning and Execution of Juno Radio Occultation Experiments at Jupiter. , 2023, , .		0

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183	The deep winds of Jupiter. Nature Astronomy, 2023, 7, 1417-1418.	4.2	0