

# Daniele Durante

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6170367/publications.pdf>

Version: 2024-02-01

27  
papers

1,434  
citations

516561

16  
h-index

552653

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Jupiter's interior and deep atmosphere: The initial pole-to-pole passes with the Juno spacecraft. <i>Science</i> , 2017, 356, 821-825.	6.0	229
2	Jupiter's atmospheric jet streams extend thousands of kilometres deep. <i>Nature</i> , 2018, 555, 223-226.	13.7	189
3	Measurement of Jupiter's asymmetric gravity field. <i>Nature</i> , 2018, 555, 220-222.	13.7	177
4	A suppression of differential rotation in Jupiter's deep interior. <i>Nature</i> , 2018, 555, 227-230.	13.7	165
5	Measurement and implications of Saturn's gravity field and ring mass. <i>Science</i> , 2019, 364, .	6.0	148
6	Jupiter's Gravity Field Halfway Through the Juno Mission. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086572.	1.5	79
7	Jupiter gravity field estimated from the first two Juno orbits. <i>Geophysical Research Letters</i> , 2017, 44, 4694-4700.	1.5	74
8	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
9	Titan's gravity field and interior structure after Cassini. <i>Icarus</i> , 2019, 326, 123-132.	1.1	64
10	Jupiter's inhomogeneous envelope. <i>Astronomy and Astrophysics</i> , 2022, 662, A18.	2.1	31
11	Report on First Inflight Data of BepiColombo's Mercury Orbiter Radio Science Experiment. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 4984-4988.	2.6	28
12	Ganymede's gravity, tides and rotational state from JUICE's 3GM experiment simulation. <i>Planetary and Space Science</i> , 2020, 187, 104902.	0.9	22
13	New constraints on the location of P9 obtained with the INPOP19a planetary ephemeris. <i>Astronomy and Astrophysics</i> , 2020, 640, A6.	2.1	22
14	The depth of Jupiter's Great Red Spot constrained by Juno gravity overflights. <i>Science</i> , 2021, 374, 964-968.	6.0	18
15	The Determination of the Rotational State and Interior Structure of Venus with VERITAS. <i>Planetary Science Journal</i> , 2021, 2, 220.	1.5	18
16	Analysis of Cassini radio tracking data for the construction of INPOP19a: A new estimate of the Kuiper belt mass. <i>Astronomy and Astrophysics</i> , 2020, 640, A7.	2.1	16
17	The effect of Jupiter oscillations on Juno gravity measurements. <i>Icarus</i> , 2017, 282, 174-182.	1.1	15
18	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

#	ARTICLE	IF	CITATIONS
19	A solution of Jupiter's gravitational field from Juno data with the orbit14 software. Monthly Notices of the Royal Astronomical Society, 2019, 490, 766-772.	1.6	12
20	Estimating Jupiter's Gravity Field Using Juno Measurements, Trajectory Estimation Analysis, and a Flow Model Optimization. Astronomical Journal, 2017, 154, 2.	1.9	10
21	On the determination of Jupiter's satellite-dependent Love numbers from Juno gravity data. Planetary and Space Science, 2019, 175, 34-40.	0.9	10
22	Morphology of the Io Plasma Torus From Juno Radio Occultations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029190.	0.8	8
23	Possible Evidence of p-modes in Cassini Measurements of Saturn's Gravity Field. Planetary Science Journal, 2020, 1, 27.	1.5	8
24	Augmenting NASA Europa Clipper by a small probe: Europa Tomography Probe (ETP) mission concept. Acta Astronautica, 2019, 165, 211-218.	1.7	6
25	Effect of Juno's Solar Panel Bending on Gravity Measurements. Journal of Guidance, Control, and Dynamics, 2019, 42, 2694-2699.	1.6	4
26	Determination of Jupiter's Mass from Juno Radio Tracking Data. Journal of Guidance, Control, and Dynamics, 2021, 44, 1062-1067.	1.6	3
27	A small spacecraft to probe the interior of the Jovian moon Europa: Europa Tomography Probe (ETP) system design. Acta Astronautica, 2020, 166, 137-146.	1.7	0