Lori M Feaga

List of Publications by Year
in descending order

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40 papers	1,810 citations	394421 19 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	1833 citing authors

#	Article	IF	Citations
1	EPOXI at Comet Hartley 2. Science, 2011, 332, 1396-1400.	12.6	401
2	Temporal and Spatial Variability of Lunar Hydration As Observed by the Deep Impact Spacecraft. Science, 2009, 326, 565-568.	12.6	363
3	COMETARY VOLATILES AND THE ORIGIN OF COMETS. Astrophysical Journal, 2012, 758, 29.	4.5	130
4	The internal structure of Jupiter family cometary nuclei from Deep Impact observations: The â€œtalpsâ€•or â€œlayered pileâ€•model. Icarus, 2007, 187, 332-344.	2.5	111
5	Water ice and dust in the innermost coma of comet 103P/Hartley 2. Icarus, 2014, 238, 191-204.	2.5	88
6	Rosetta-Alice observations of exospheric hydrogen and oxygen on Mars. Icarus, 2011, 214, 394-399.	2.5	82
7	Measurements of the near-nucleus coma of comet 67P/Churyumov-Gerasimenko with the Alice far-ultraviolet spectrograph on Rosetta. Astronomy and Astrophysics, 2015, 583, A8.	5.1	77
8	The distribution of water ice in the interior of Comet Tempel 1. Icarus, 2007, 190, 284-294.	2.5	74
9	Io's dayside SO2 atmosphere. Icarus, 2009, 201, 570-584.	2.5	54
10	Thermal inertia and surface roughness of Comet 9P/Tempel 1. Icarus, 2013, 224, 154-171.	2.5	45
11	UNCORRELATED VOLATILE BEHAVIOR DURING THE 2011 APPARITION OF COMET C/2009 P1 GARRADD. Astronomical Journal, 2014, 147, 24.	4.7	43
12	Hypervolatiles in a Jupiter-family Comet: Observations of 45P/Hondaâ€“Mrkosâ€“PajduÅ¡Ã¡kovÃ¡ Using iSHELL at the NASA-IRTF. Astronomical Journal, 2017, 154, 246.	4.7	34
13	THE NATURE AND FREQUENCY OF THE GAS OUTBURSTS IN COMET 67P/CHURYUMOVâ€“GERASIMENKO OBSERVED BY THE ALICE FAR-ULTRAVIOLET SPECTROGRAPH ON ROSETTA. Astrophysical Journal Letters, 2016, 825, L8.	8.3	31
14	H2O and O2 absorption in the coma of comet 67P/Churyumovâ€“Gerasimenko measured by the Alice far-ultraviolet spectrograph on Rosetta. Monthly Notices of the Royal Astronomical Society, 2017, 469, S158-S177.	4.4	28
15	Probing the Evolutionary History of Comets: An Investigation of the Hypervolatiles CO, CH₄, and C₂H₆ in the Jupiter-family Comet 21P/Giacobiniâ€“Zinner. Astronomical Journal, 2020, 159, 42.	4.7	23
16	The Abundance of Atomic Sulfur in the Atmosphere of Io. Astrophysical Journal, 2002, 570, 439-446.	4.5	22
17	The internal structure of Jupiter family cometary nuclei from Deep Impact observations: The â€œtalpsâ€•or â€œlayered pileâ€•model. Icarus, 2007, 191, 573-585.	2.5	21
18	FUV Spectral Signatures of Molecules and the Evolution of the Gaseous Coma of Comet 67P/Churyumovâ€“Gerasimenko. Astronomical Journal, 2018, 155, 9.	4.7	20

#	Article	IF	Citations
19	The far-ultraviolet albedo of Åteins measured with Rosetta-ALICE. Planetary and Space Science, 2010, 58, 1088-1096.	1.7	19
20	Detection of Atomic Chlorine in Ioâ€™s Atmosphere with theHubble Space TelescopeGHRS. Astrophysical Journal, 2004, 610, 1191-1198.	4.5	17
21	The distribution of water ice in the interior of Comet Tempel 1. Icarus, 2007, 191, 73-83.	2.5	16
22	Deep Impact and sample return. Earth, Planets and Space, 2008, 60, 61-66.	2.5	15
23	Ultraviolet Observations of Coronal Mass Ejection Impact on Comet 67P/Churyumovâ€“Gerasimenko by Rosetta Alice. Astronomical Journal, 2018, 156, 16.	4.7	15
24	Narrowband Observations of Comet 46P/Wirtanen during Its Exceptional Apparition of 2018/19. I. Apparent Rotation Period and Outbursts. Planetary Science Journal, 2021, 2, 7.	3.6	15
25	First Results from TESS Observations of Comet 46P/Wirtanen. Astrophysical Journal Letters, 2019, 886, L24.	8.3	14
26	Ultraviolet spectroscopy of Asteroid (4) Vesta. Icarus, 2011, 216, 640-649.	2.5	11
27	EPOXI instrument calibration. Icarus, 2013, 225, 643-680.	2.5	10
28	HST UV Observations of Asteroid (16) Psyche. Planetary Science Journal, 2020, 1, 53.	3.6	9
29	All Comets are Somewhat Hyperactive and the Implications Thereof. Planetary Science Journal, 2021, 2, 92.	3.6	7
30	Stellar Occultation by Comet 67P/Churyumovâ€“Gerasimenko Observed with Rosetta's Alice Far-ultraviolet Spectrograph. Astronomical Journal, 2019, 157, 173.	4.7	5
31	Near-UV OH Prompt Emission in the Innermost Coma of 103P/Hartley 2. Astronomical Journal, 2017, 154, 185.	4.7	4
32	Modeling H₂O and CO₂ in Optically Thick Comets Using Asymmetric Spherical Coupled Escape Probability and Application to Comet C/2009 P1 Garradd Observations of CO, H₂O, and CO₂. Astrophysical Journal, 2018, 854, 149.	4.5	2
33	Analysis of Hybrid Gasâ€“Dust Outbursts Observed at 67P/Churyumovâ€“Gerasimenko. Astronomical Journal, 2021, 162, 4.	4.7	2
34	Modeling the Deep Impact Near-nucleus Observations of H₂O and CO₂ in Comet 9P/Tempel 1 Using Asymmetric Spherical Coupled Escape Probability. Astrophysical Journal, 2018, 856, 104.	4.5	1
35	Upper Limits for Emissions in the Coma of Comet 67P/Churyumovâ€“Gerasimenko near Perihelion as Measured by Rosettaâ€™s Alice Far-UV Spectrograph. Astronomical Journal, 2019, 158, 252.	4.7	1
36	What do small bodies tell us about the formation of the Solar System and the conditions in the early solar nebula?. , 2021, 53, .		0

#	Article	IF	Citations
37	Spatial Distribution of Ultraviolet Emission from Cometary Activity at 67P/Churyumov-Gerasimenko. Astronomical Journal, 2021, 162, 5.	4.7	0
38	Overview of Primitive Object Volatile Explorer (PrOVE) CubeSat or Smallsat concept. , 2018, , .		0
39	Michael F. Aâ€™Hearn. Planetary Science Journal, 2020, 1, 70.	3.6	0
40	LRO-LAMP Observations of the Preperihelion Coma of Comet C/2013 A1 (Siding Spring). Planetary Science Journal, 2022, 3, 12.	3.6	0