

# Leila M Mays

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2001630/publications.pdf>

Version: 2024-02-01

46  
papers

1,926  
citations

257450

24  
h-index

254184

43  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1768  
citing authors

#	ARTICLE	IF	CITATIONS
1	OSPREDI: A Coupled Approach to Modeling CME-Driven Space Weather With Automatically Generated, User-Friendly Outputs. <i>Space Weather</i> , 2022, 20, e2021SW002914.	3.7	9
2	Evidence of a complex structure within the 2013 August 19 coronal mass ejection. <i>Astronomy and Astrophysics</i> , 2022, 662, A45.	5.1	9
3	CMEs and SEPs During November–December 2020: A Challenge for Real-Time Space Weather Forecasting. <i>Space Weather</i> , 2022, 20, .	3.7	16
4	Direct First Parker Solar Probe Observation of the Interaction of Two Successive Interplanetary Coronal Mass Ejections in 2020 November. <i>Astrophysical Journal</i> , 2022, 930, 88.	4.5	14
5	Effect of an Interplanetary Coronal Mass Ejection on Saturn's Radio Emission. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	2.8	2
6	First Measurements of Jovian Electrons by Parker Solar Probe/IS <sup>3</sup> TMS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	4.5	2
7	Propagating Conditions and the Time of ICME Arrival: A Comparison of the Effective Acceleration Model with ENLIL and DBEM Models. <i>Solar Physics</i> , 2021, 296, 1.	2.5	14
8	The unusual widespread solar energetic particle event on 2013 August 19. <i>Astronomy and Astrophysics</i> , 2021, 653, A137.	5.1	15
9	Magnetic Structure and Propagation of Two Interacting CMEs From the Sun to Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	16
10	Modeling the 2012 May 17 Solar Energetic Particle Event Using the AWSoM and iPATH Models. <i>Astrophysical Journal</i> , 2021, 919, 146.	4.5	21
11	Identifying Critical Input Parameters for Improving Drag-Based CME Arrival Time Predictions. <i>Space Weather</i> , 2020, 18, e2019SW002382.	3.7	26
12	The Streamer Blowout Origin of a Flux Rope and Energetic Particle Event Observed by Parker Solar Probe at 0.5 au. <i>Astrophysical Journal</i> , 2020, 897, 134.	4.5	14
13	Operational Modeling of Heliospheric Space Weather for the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 73.	7.7	15
14	MESSENGER Observations of Disappearing Dayside Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6613-6635.	2.4	53
15	Unusual Plasma and Particle Signatures at Mars and STEREO-A Related to CME-CME Interaction. <i>Astrophysical Journal</i> , 2019, 880, 18.	4.5	22
16	Forecasting the Ambient Solar Wind with Numerical Models. I. On the Implementation of an Operational Framework. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 35.	7.7	25
17	Forecasting the Structure and Orientation of Earthbound Coronal Mass Ejections. <i>Space Weather</i> , 2019, 17, 498-526.	3.7	65
18	Benchmarking CME Arrival Time and Impact: Progress on Metadata, Metrics, and Events. <i>Space Weather</i> , 2019, 17, 6-26.	3.7	47

#	ARTICLE	IF	CITATIONS
19	Update on the Worsening Particle Radiation Environment Observed by CRaTER and Implications for Future Human Deep-Space Exploration. <i>Space Weather</i> , 2018, 16, 289-303.	3.7	44
20	The Drag-based Ensemble Model (DBEM) for Coronal Mass Ejection Propagation. <i>Astrophysical Journal</i> , 2018, 854, 180.	4.5	58
21	Opening a Window on ICME-driven GCR Modulation in the Inner Solar System. <i>Astrophysical Journal</i> , 2018, 856, 139.	4.5	27
22	Ensemble Prediction of a Halo Coronal Mass Ejection Using Heliospheric Imagers. <i>Space Weather</i> , 2018, 16, 784-801.	3.7	27
23	Prediction of Solar Energetic Particle Event Peak Proton Intensity Using a Simple Algorithm Based on CME Speed and Direction and Observations of Associated Solar Phenomena. <i>Space Weather</i> , 2018, 16, 1862-1881.	3.7	23
24	Shock Connectivity and the Late Cycle 24 Solar Energetic Particle Events in July and September 2017. <i>Space Weather</i> , 2018, 16, 557-568.	3.7	34
25	Observations and Impacts of the 10 September 2017 Solar Events at Mars: An Overview and Synthesis of the Initial Results. <i>Geophysical Research Letters</i> , 2018, 45, 8871-8885.	4.0	77
26	Forecasting the Arrival Time of Coronal Mass Ejections: Analysis of the CCMC CME Scoreboard. <i>Space Weather</i> , 2018, 16, 1245-1260.	3.7	94
27	Modeling the Evolution and Propagation of 10 September 2017 CMEs and SEPs Arriving at Mars Constrained by Remote Sensing and In Situ Measurement. <i>Space Weather</i> , 2018, 16, 1156-1169.	3.7	61
28	Verification of real-time WSA+ENLIL+Cone simulations of CME arrival-time at the CCMC from 2010 to 2016. <i>Journal of Space Weather and Space Climate</i> , 2018, 8, A17.	3.3	68
29	The Solar Energetic Particle Event of 2010 August 14: Connectivity with the Solar Source Inferred from Multiple Spacecraft Observations and Modeling. <i>Astrophysical Journal</i> , 2017, 838, 51.	4.5	45
30	Modeling solar energetic particle events using ENLIL heliosphere simulations. <i>Space Weather</i> , 2017, 15, 934-954.	3.7	35
31	A propagation tool to connect remote-sensing observations with in-situ measurements of heliospheric structures. <i>Planetary and Space Science</i> , 2017, 147, 61-77.	1.7	19
32	Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890.	2.4	87
33	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response. <i>Space Weather</i> , 2017, 15, 441-461.	3.7	24
34	Prospects for Modeling and Forecasting SEP Events with ENLIL and SEP MOD. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 263-267.	0.0	0
35	Mars plasma system response to solar wind disturbances during solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6611-6634.	2.4	24
36	Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6092-6106.	2.4	58

#	ARTICLE	IF	CITATIONS
37	Validation for global solar wind prediction using Ulysses comparison: Multiple coronal and heliospheric models installed at the Community Coordinated Modeling Center. <i>Space Weather</i> , 2016, 14, 592-611.	3.7	38
38	Continuous solar wind forcing knowledge: Providing continuous conditions at Mars with the WSA+ENLIL+Cone model. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6207-6222.	2.4	10
39	SHOCK CONNECTIVITY IN THE 2010 AUGUST AND 2012 JULY SOLAR ENERGETIC PARTICLE EVENTS INFERRED FROM OBSERVATIONS AND ENLIL MODELING. <i>Astrophysical Journal</i> , 2016, 825, 1.	4.5	37
40	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 1. Initial architecture. <i>Space Weather</i> , 2015, 13, 374-385.	3.7	65
41	PROPAGATION OF THE 2014 JANUARY 7 CME AND RESULTING GEOMAGNETIC NON-EVENT. <i>Astrophysical Journal</i> , 2015, 812, 145.	4.5	43
42	Ensemble Modeling of CMEs Using the WSA+ENLIL+Cone Model. <i>Solar Physics</i> , 2015, 290, 1775-1814.	2.5	170
43	HELIOSPHERIC PROPAGATION OF CORONAL MASS EJECTIONS: COMPARISON OF NUMERICAL WSA-ENLIL+CONE MODEL AND ANALYTICAL DRAG-BASED MODEL. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 21.	7.7	76
44	Simulation of the 23 July 2012 extreme space weather event: What if this extremely rare CME was Earth directed?. <i>Space Weather</i> , 2013, 11, 671-679.	3.7	87
45	A major solar eruptive event in July 2012: Defining extreme space weather scenarios. <i>Space Weather</i> , 2013, 11, 585-591.	3.7	189
46	Forecasting propagation and evolution of CMEs in an operational setting: What has been learned. <i>Space Weather</i> , 2013, 11, 557-574.	3.7	21