

# Timothy A Cassidy

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

664  
citations

623699

14  
h-index

713444

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

755  
citing authors

#	ARTICLE	IF	CITATIONS
1	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8087-8116.	2.4	125
2	Mercury's seasonal sodium exosphere: MESSENGER orbital observations. <i>Icarus</i> , 2015, 248, 547-559.	2.5	74
3	Seasonal variations in Mercury's dayside calcium exosphere. <i>Icarus</i> , 2014, 238, 51-58.	2.5	60
4	Water Ice Radiolytic $O_2$ , $H_2$ , and $H_2O$ Yields for Any Projectile Species, Energy, or Temperature: A Model for Icy Astrophysical Bodies. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1996-2012.	3.6	51
5	Solar wind forcing at Mercury: WSA-NLIL model results. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 45-57.	2.4	46
6	Plasma Sources in Planetary Magnetospheres: Mercury. <i>Space Science Reviews</i> , 2015, 192, 91-144.	8.1	39
7	Seasonal variations of Mercury's magnesium dayside exosphere from MESSENGER observations. <i>Icarus</i> , 2017, 281, 46-54.	2.5	38
8	A cold-pole enhancement in Mercury's sodium exosphere. <i>Geophysical Research Letters</i> , 2016, 43, 12111-11128.	4.0	32
9	New discoveries from MESSENGER and insights into Mercury's exosphere. <i>Geophysical Research Letters</i> , 2016, 43, 11,545.	4.0	26
10	Evidence Connecting Mercury's Magnesium Exosphere to Its Magnesium-Rich Surface Terrane. <i>Geophysical Research Letters</i> , 2018, 45, 6790-6797.	4.0	21
11	Dusk over dawn $O_2$ asymmetry in Europa's near-surface atmosphere. <i>Planetary and Space Science</i> , 2019, 167, 23-32.	1.7	21
12	Mimas' far-UV albedo: Spatial variations. <i>Icarus</i> , 2012, 220, 922-931.	2.5	17
13	Sputtering of Ices. <i>Astrophysics and Space Science Library</i> , 2013, , 551-581.	2.7	17
14	MESSENGER observations of solar energetic electrons within Mercury's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8559-8571.	2.4	16
15	Loss rates of Europa's tenuous atmosphere. <i>Planetary and Space Science</i> , 2016, 130, 14-23.	1.7	14
16	A transient enhancement of Mercury's exosphere at extremely high altitudes inferred from pickup ions. <i>Nature Communications</i> , 2020, 11, 4350.	12.8	14
17	Updating the Jovian Electron Plasma Environment. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3915-3922.	1.3	9
18	The Origin and Fate of $O_2$ in Europa's Ice: An Atmospheric Perspective. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	9

#	ARTICLE	IF	CITATIONS
19	Photoionization Loss of Mercury's Sodium Exosphere: Seasonal Observations by MESSENGER and the THEMIS Telescope. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092980.	4.0	9
20	Detection of Large Exospheric Enhancements at Mercury due to Meteoroid Impacts. <i>Planetary Science Journal</i> , 2021, 2, 175.	3.6	9
21	Understanding Mercury's Exosphere: Models Derived from MESSENGER Observations. , 2018, , 407-429.		8
22	Observations of Mercury's Exosphere: Composition and Structure. , 2018, , 371-406.		5
23	A Possible Dust Origin for an Unusual Feature in Io's Sodium Neutral Clouds. <i>Astronomical Journal</i> , 2021, 162, 190.	4.7	4