

# Matthew Burger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6862016/publications.pdf>

Version: 2024-02-01

16  
papers

531  
citations

933447

10  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

533  
citing authors

#	ARTICLE	IF	CITATIONS
1	MESSENGER Observations of Mercury's Exosphere: Detection of Magnesium and Distribution of Constituents. <i>Science</i> , 2009, 324, 610-613.	12.6	83
2	Mercury's seasonal sodium exosphere: MESSENGER orbital observations. <i>Icarus</i> , 2015, 248, 547-559.	2.5	74
3	Mercury's Complex Exosphere: Results from MESSENGER's Third Flyby. <i>Science</i> , 2010, 329, 672-675.	12.6	70
4	Seasonal variations in Mercury's dayside calcium exosphere. <i>Icarus</i> , 2014, 238, 51-58.	2.5	60
5	Monte Carlo modeling of sodium in Mercury's exosphere during the first two MESSENGER flybys. <i>Icarus</i> , 2010, 209, 63-74.	2.5	51
6	Seasonal variations of Mercury's magnesium dayside exosphere from MESSENGER observations. <i>Icarus</i> , 2017, 281, 46-54.	2.5	38
7	A cold-pole enhancement in Mercury's sodium exosphere. <i>Geophysical Research Letters</i> , 2016, 43, 12111-11128.	4.0	32
8	Observations of metallic species in Mercury's exosphere. <i>Icarus</i> , 2010, 209, 75-87.	2.5	31
9	New discoveries from MESSENGER and insights into Mercury's exosphere. <i>Geophysical Research Letters</i> , 2016, 43, 11545.	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	Exospheric escape: A parametrical study. <i>Advances in Space Research</i> , 2018, 62, 2364-2371.	2.6	10
12	Detection of Large Exospheric Enhancements at Mercury due to Meteoroid Impacts. <i>Planetary Science Journal</i> , 2021, 2, 175.	3.6	9
13	The Influence of Surface Binding Energy on Sputtering in Models of the Sodium Exosphere of Mercury. <i>Planetary Science Journal</i> , 2022, 3, 139.	3.6	9
14	Understanding Mercury's Exosphere: Models Derived from MESSENGER Observations. , 2018, , 407-429.		8
15	Observations of Mercury's Exosphere: Composition and Structure. , 2018, , 371-406.		5
16	A Possible Dust Origin for an Unusual Feature in Io's Sodium Neutral Clouds. <i>Astronomical Journal</i> , 2021, 162, 190.	4.7	4