

Matthew Burger

List of Publications by Year in descending order

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16
papers

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533
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The Influence of Surface Binding Energy on Sputtering in Models of the Sodium Exosphere of Mercury. Planetary Science Journal, 2022, 3, 139. | 3.6 | 9 |
| 2 | Detection of Large Exospheric Enhancements at Mercury due to Meteoroid Impacts. Planetary Science Journal, 2021, 2, 175. | 3.6 | 9 |
| 3 | A Possible Dust Origin for an Unusual Feature in Io's Sodium Neutral Clouds. Astronomical Journal, 2021, 162, 190. | 4.7 | 4 |
| 4 | Exospheric escape: A parametrical study. Advances in Space Research, 2018, 62, 2364-2371. | 2.6 | 10 |
| 5 | Observations of Mercury's Exosphere: Composition and Structure. , 2018, , 371-406. | | 5 |
| 6 | Understanding Mercury's Exosphere: Models Derived from MESSENGER Observations. , 2018, , 407-429. | | 8 |
| 7 | Evidence Connecting Mercury's Magnesium Exosphere to Its Magnesium-Rich Surface Terrane. Geophysical Research Letters, 2018, 45, 6790-6797. | 4.0 | 21 |
| 8 | Seasonal variations of Mercury's magnesium dayside exosphere from MESSENGER observations. Icarus, 2017, 281, 46-54. | 2.5 | 38 |
| 9 | New discoveries from MESSENGER and insights into Mercury's exosphere. Geophysical Research Letters, 2016, 43, 11,545. | 4.0 | 26 |
| 10 | A cold-pole enhancement in Mercury's sodium exosphere. Geophysical Research Letters, 2016, 43, 12111-11128. | 4.0 | 32 |
| 11 | Mercury's seasonal sodium exosphere: MESSENGER orbital observations. Icarus, 2015, 248, 547-559. | 2.5 | 74 |
| 12 | Seasonal variations in Mercury's dayside calcium exosphere. Icarus, 2014, 238, 51-58. | 2.5 | 60 |
| 13 | Observations of metallic species in Mercury's exosphere. Icarus, 2010, 209, 75-87. | 2.5 | 31 |
| 14 | Monte Carlo modeling of sodium in Mercury's exosphere during the first two MESSENGER flybys. Icarus, 2010, 209, 63-74. | 2.5 | 51 |
| 15 | Mercury's Complex Exosphere: Results from MESSENGER's Third Flyby. Science, 2010, 329, 672-675. | 12.6 | 70 |
| 16 | MESSENGER Observations of Mercury's Exosphere: Detection of Magnesium and Distribution of Constituents. Science, 2009, 324, 610-613. | 12.6 | 83 |