

# ValÃ©ry Lainey

## List of Publications by Year in descending order

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Version: 2024-02-01

7  
papers

608  
citations

1307594

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1588992

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8  
docs citations

8  
times ranked

776  
citing authors

| # | ARTICLE   | IF   | CITATIONS |
|---|---|------|-----------|
| 1 | STRONG TIDAL DISSIPATION IN SATURN AND CONSTRAINTS ON ENCELADUS' THERMAL STATE FROM ASTROMETRY. <i>Astrophysical Journal</i> , 2012, 752, 14.   | 4.5  | 163       |
| 2 | New constraints on Saturn's interior from Cassini astrometric data. <i>Icarus</i> , 2017, 281, 286-296.   | 2.5  | 137       |
| 3 | Accretion of Saturn's mid-sized moons during the viscous spreading of young massive rings: Solving the paradox of silicate-poor rings versus silicate-rich moons. <i>Icarus</i> , 2011, 216, 535-550. | 2.5  | 123       |
| 4 | Resonance locking in giant planets indicated by the rapid orbital expansion of Titan. <i>Nature Astronomy</i> , 2020, 4, 1053-1058.   | 10.1 | 87        |
| 5 | Quantification of tidal parameters from Solar System data. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 126, 145-156.   | 1.4  | 74        |
| 6 | A Recipe for the Geophysical Exploration of Enceladus. <i>Planetary Science Journal</i> , 2021, 2, 157.   | 3.6  | 14        |
| 7 | Strong tidal energy dissipation in Saturn at Titan's frequency as an explanation for Iapetus orbit. <i>Astronomy and Astrophysics</i> , 2018, 619, A133.  | 5.1  | 9         |