

# Laurence M Trafton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4022698/publications.pdf>

Version: 2024-02-01

12  
papers

245  
citations

1040056

9  
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1281871

11  
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docs citations

14  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive numerical simulation of Io's sublimation-driven atmosphere. <i>Icarus</i> , 2010, 207, 409-432.	2.5	49
2	1-D DSMC simulation of Io's atmospheric collapse and reformation during and after eclipse. <i>Icarus</i> , 2009, 201, 585-597.	2.5	43
3	On understanding the physics of the Enceladus south polar plume via numerical simulation. <i>Icarus</i> , 2015, 253, 205-222.	2.5	34
4	A parametric study of Io's thermophysical surface properties and subsequent numerical atmospheric simulations based on the best fit parameters. <i>Icarus</i> , 2012, 220, 225-253.	2.5	31
5	Three-dimensional simulation of gas and dust in Io's Pele plume. <i>Icarus</i> , 2015, 257, 251-274.	2.5	19
6	DSMC simulation of Europa water vapor plumes. <i>Icarus</i> , 2016, 277, 370-380.	2.5	17
7	The interaction of Io's plumes and sublimation atmosphere. <i>Icarus</i> , 2017, 294, 81-97.	2.5	17
8	Constraining the Enceladus plume using numerical simulation and Cassini data. <i>Icarus</i> , 2017, 281, 357-378.	2.5	14
9	Monte Carlo modeling of Io's [OI] 6300Å... and [SII] 6716Å... auroral emission in eclipse. <i>Icarus</i> , 2010, 207, 810-833.	2.5	9
10	Exosphere-mediated migration of volatile species on airless bodies across the solar system. <i>Icarus</i> , 2022, 384, 115092.	2.5	6
11	Parametric study of water vapor and water ice particle plumes based on DSMC calculations: Application to the Enceladus geysers. <i>Icarus</i> , 2019, 319, 729-744.	2.5	4
12	Loki's Lava Lake in Rarefied Circumplanetary Cross Flow. , 2011, , .		2