

Matthias L  uter

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

360
citations

1163117

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h-index

1281871

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all docs

15
docs citations

15
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ice Composition Close to the Surface of Comet 67P/Churyumov-Gerasimenko. ACS Earth and Space Chemistry, 2022, 6, 1189-1203.	2.7	4
2	The gas production of 14 species from comet 67P/Churyumov-Gerasimenko based on DFMS/COPS data from 2014 to 2016. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3995-4004.	4.4	39
3	Outgassing-induced acceleration of comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A4.	5.1	15
4	Seasonal changes of the volatile density in the coma and on the surface of comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S20-S28.	4.4	33
5	Baroclinic waves on the $\hat{\mathbb{I}}^2$ plane using low-order Discontinuous Galerkin discretisation. Journal of Computational Physics, 2017, 339, 461-481.	3.8	1
6	Semi-Implicit Formulations of the Navier-Stokes Equations: Application to Nonhydrostatic Atmospheric Modeling. SIAM Journal of Scientific Computing, 2010, 32, 3394-3425.	2.8	55
7	A discontinuous Galerkin method for the shallow water equations in spherical triangular coordinates. Journal of Computational Physics, 2008, 227, 10226-10242.	3.8	46
8	A parallel adaptive barotropic model of the atmosphere. Journal of Computational Physics, 2007, 223, 609-628.	3.8	23
9	Unsteady analytical solutions of the spherical shallow water equations. Journal of Computational Physics, 2005, 210, 535-553.	3.8	44
10	amatos: Parallel adaptive mesh generator for atmospheric and oceanic simulation. Ocean Modelling, 2005, 10, 171-183.	2.4	64
11	An adaptive Lagrange-Galerkin method for the shallow-water equations on the sphere. Proceedings in Applied Mathematics and Mechanics, 2003, 3, 48-51.	0.2	3
12	Surface localization of gas sources on comet 67P/Churyumov-Gerasimenko based on DFMS/COPS data. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	33