

Bruno Dias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3577401/publications.pdf>

Version: 2024-02-01

12
papers

147
citations

1478505

6
h-index

1474206

9
g-index

13
all docs

13
docs citations

13
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation $\langle \text{mml:math xmlns:mml= "http://www.w3.org/1998/Math/MathML" display= "inline" id= "d1e135" altimg= "si17.svg" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$: Multicomponent Thermodynamic And Transport properties for IONized gases in C++. SoftwareX, 2020, 12, 100575.	2.6	77
2	Analysis of Meteoroid Ablation Based on Plasma Wind-tunnel Experiments, Surface Characterization, and Numerical Simulations. Astrophysical Journal, 2019, 876, 120.	4.5	20
3	A model for meteoroid ablation including melting and vaporization. Icarus, 2020, 345, 113710.	2.5	15
4	Luminosity calculation of meteor entry based on detailed flow simulations in the continuum regime. Astronomy and Astrophysics, 2020, 635, A184.	5.1	8
5	Development of a melting model for meteors. AIP Conference Proceedings, 2016, , .	0.4	7
6	High temperature and thermal non-equilibrium effects on the determination of free-stream flow properties in hypersonic wind tunnels. Physics of Fluids, 2018, 30, 126102.	4.0	7
7	Meteoroid atmospheric entry investigated with plasma flow experiments: Petrography and geochemistry of the recovered material. Icarus, 2019, 331, 170-178.	2.5	6
8	Lagrangian diffusive reactor for detailed thermochemical computations of plasma flows. Plasma Sources Science and Technology, 2019, 28, 065002.	3.1	4
9	A self-consistent method for the simulation of meteor trails with an application to radio observations. Astronomy and Astrophysics, 2020, 641, A100.	5.1	2
10	Stagnation-Line Simulations of Meteor Ablation. , 2015, , .		1
11	Towards a High-Fidelity Multiphase Solver with Application to Space Debris Aerothermal Ablation Modeling. , 2019, , .		0
12	Investigation of Quartz Ablation in the VKI Plasmatron Facility: Comparison Between Experimental and Numerical Results. , 2021, , .		0