Bruno Dias

List of Publications by Year
in descending order

12	147	1478505	1474206
papers	citations	6	9
		h-index	g-index

13	13	13	111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of Quartz Ablation in the VKI Plasmatron Facility: Comparison Between Experimental and Numerical Results. , 2021, , .		0
2	Mutation^{++}: MUlticomponent Thermodynamic And Transport properties for IONized gases in C++. SoftwareX, 2020, 12, 100575.	2.6	77
3	Luminosity calculation of meteor entry based on detailed flow simulations in the continuum regime. Astronomy and Astrophysics, 2020, 635, A184.	5.1	8
4	A model for meteoroid ablation including melting and vaporization. Icarus, 2020, 345, 113710.	2.5	15
5	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
6	Analysis of Meteoroid Ablation Based on Plasma Wind-tunnel Experiments, Surface Characterization, and Numerical Simulations. Astrophysical Journal, 2019, 876, 120.	4.5	20
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	Towards a High-Fidelity Multiphase Solver with Application to Space Debris Aerothermal Ablation Modeling. , 2019, , .		0
10	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
11	Development of a melting model for meteors. AIP Conference Proceedings, 2016, , .	0.4	7
12	Stagnation-Line Simulations of Meteor Ablation. , 2015, , .		1