Antonio Viviani

List of Publications by Year
in descending order

17 papers	**115** citations	1684188 **5** h-index	1372567 **10** g-index
17 all docs	**17** docs citations	**17** times ranked	**51** citing authors

#	Article	IF	Citations
1	The influence of the gravity force on instabilities of the floating droplet. International Journal of Non-Linear Mechanics, 2022, 138, 103857.	2.6	4
2	Low Speed Aerodynamic Analysis of the N2A Hybrid Wing–Body. Aerospace, 2022, 9, 89.	2.2	1
3	An optimal heat-flux targeting procedure for LEO re-entry of reusable vehicles. Aerospace Science and Technology, 2021, 112, 106608.	4.8	2
4	Phase-A design of a reusable re-entry vehicle. Acta Astronautica, 2021, 187, 141-155.	3.2	10
5	Measure method of effective diffusion in gas oscillating in channels of variable radius or porous medium. MethodsX, 2021, 8, 101552.	1.6	0
6	Low speed longitudinal aerodynamics of a blended wing-body re-entry vehicle. Aerospace Science and Technology, 2020, 107, 106303.	4.8	8
7	Aeroshape design of reusable re-entry vehicles by multidisciplinary optimization and computational fluid dynamics. Aerospace Science and Technology, 2020, 105, 106029.	4.8	18
8	Free Topology Generation of Thermal Protection System for Reusable Space Vehicles Using Integral Soft Objects. Lecture Notes in Mechanical Engineering, 2020, , 84-98.	0.4	0
9	Nonlinear dynamics of a two-layer system under the action of spatial temperature modulation of an interfacial heat release. European Journal of Mechanics, B/Fluids, 2019, 78, 11-20.	2.5	1
10	Introductory Chapter: Hypersonic Vehicles - Past, Present, and Future Insights. , 2019, , .		0
11	Thermal Protection System Design of a Reusable Launch Vehicle Using Integral Soft Objects. International Journal of Aerospace Engineering, 2019, 2019, 1-14.	0.9	10
12	Nonlinear convective flows in a two-layer system under the action of spatial temperature modulation of heat release/consumption at the interface. Acta Astronautica, 2018, 147, 297-315.	3.2	1
13	An optimization-based procedure for self-generation of Re-entry Vehicles shape. Aerospace Science and Technology, 2017, 68, 123-134.	4.8	19
14	Multi-objective optimization for re-entry spacecraft conceptual design using a free-form shape generator. Aerospace Science and Technology, 2017, 71, 312-324.	4.8	32
15	Aerodynamic Analysis of a Capsule Vehicle for a Manned Exploration Mission to Mars. , 2009, , .		9
16	Parametric Integral Soft Objects-based Procedure for Thermal Protection System Modeling of Reusable Launch Vehicle. , 0, , .		0
17	Lifting Entry Analysis for Manned Mars Exploration Missions. , 0, , .		0