Manuel Moriche

List of Publications by Year
in descending order

13	172	1478505 6	1474206 9
papers	citations	h-index	g-index

13	13	13	98
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical simulation of the flow around a flapping-wing micro air vehicle in free flight. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 468-476.	1.3	4
2	Three-Dimensional Effects on Plunging Airfoils at Low Reynolds Numbers. AIAA Journal, 2021, 59, 65-74.	2.6	5
3	Characterization of Aerodynamic Forces on Wings in Plunge Maneuvers. AIAA Journal, 2021, 59, 751-762.	2.6	7
4	A single oblate spheroid settling in unbounded ambient fluid: A benchmark for simulations in steady and unsteady wake regimes. International Journal of Multiphase Flow, 2021, 136, 103519.	3.4	10
5	Assessing aerodynamic force estimation with experiments and simulations of flapping-airfoil flows on the verge of three-dimensionality. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 428-444.	1.3	4
6	Comparison between experiments and simulations of fast tranverse plunge maneuvers. , 2020, , .		2
7	A Numerical Study of Low-Aspect-Ratio Flapping-Wings in Forward Flight. ERCOFTAC Series, 2019, , 405-410.	0.1	0
8	Fast transverse maneuvers at low Reynolds numbers. , 2019, , .		2
9	The Influence of the Reynolds Number on the Auto-Rotation of Samaras. ERCOFTAC Series, 2019, , 411-416.	0.1	0
10	Kinematics and dynamics of the auto-rotation of a model winged seed. Bioinspiration and Biomimetics, 2018, 13, 036011.	2.9	27
11	From flapping to heaving: A numerical study of wings in forward flight. Journal of Fluids and Structures, 2018, 83, 293-309.	3.4	17
12	On the aerodynamic forces on heaving and pitching airfoils at low Reynolds number. Journal of Fluid Mechanics, 2017, 828, 395-423.	3.4	61
13	Three-dimensional instabilities in the wake of a flapping wing at low Reynolds number. International Journal of Heat and Fluid Flow, 2016, 62, 44-55.	2.4	33