

Ivan Bermejo-Moreno

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

914
citations

933447

10
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

731
citing authors

#	ARTICLE	IF	CITATIONS
1	Large eddy simulation with modeled wall-stress: recent progress and future directions. Mechanical Engineering Reviews, 2016, 3, 15-00418-15-00418.	4.7	290
2	Reynolds- and Mach-number effects in canonical shock-turbulence interaction. Journal of Fluid Mechanics, 2013, 717, 293-321.	3.4	124
3	Piezo1 incorporates mechanical force signals into the genetic program that governs lymphatic valve development and maintenance. JCI Insight, 2019, 4, .	5.0	114
4	Confinement effects in shock wave/turbulent boundary layer interactions through wall-modelled large-eddy simulations. Journal of Fluid Mechanics, 2014, 758, 5-62.	3.4	108
5	Incipient thermal choking and stable shock-train formation in the heat-release region of a scramjet combustor. Part II: Large eddy simulations. Combustion and Flame, 2015, 162, 907-920.	5.2	96
6	Multi-scale geometric analysis of Lagrangian structures in isotropic turbulence. Journal of Fluid Mechanics, 2010, 654, 233-270.	3.4	49
7	On the non-local geometry of turbulence. Journal of Fluid Mechanics, 2008, 603, 101-135.	3.4	42
8	Solving the compressible navier-stokes equations on up to 1.97 million cores and 4.1 trillion grid points. , 2013, , .		25
9	Geometry of enstrophy and dissipation, grid resolution effects and proximity issues in turbulence. Journal of Fluid Mechanics, 2009, 620, 121-166.	3.4	24
10	Lagrangian evolution of the invariants of the velocity gradient tensor in a turbulent boundary layer. Physics of Fluids, 2012, 24, .	4.0	22
11	Parametric numerical study of passive scalar mixing in shock turbulence interaction. Journal of Fluid Mechanics, 2020, 895, .	3.4	10
12	Cell-mapping orbit search for mission design at ocean worlds using parallel computing. Journal of the Astronautical Sciences, 2021, 68, 172-196.	1.5	4
13	Numerical study of STBLI on flexible panels with wall-modeled LES. , 2021, , .		3
14	Parametric Study of Primary Breakup of Turbulent Liquid Jets in Crossflow: Role of Weber number. , 2010, , .		2
15	Geometry and dynamics of passive scalar structures in compressible turbulent mixing. Physics of Fluids, 2021, 33, 105126.	4.0	1