

Antonio Lasanta

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

558
citations

623699

14
h-index

610883

24
g-index

26
all docs

26
docs citations

26
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	When the Hotter Cools More Quickly: Mpemba Effect in Granular Fluids. <i>Physical Review Letters</i> , 2017, 119, 148001.	7.8	85
2	The Mpemba effect in spin glasses is a persistent memory effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15350-15355.	7.1	59
3	Large Fluctuations in Driven Dissipative Media. <i>Physical Review Letters</i> , 2011, 107, 140601.	7.8	47
4	Large Mpemba-like effect in a gas of inelastic rough hard spheres. <i>Physical Review E</i> , 2019, 99, 060901.	2.1	45
5	Nonlinear driven diffusive systems with dissipation: Fluctuating hydrodynamics. <i>Physical Review E</i> , 2012, 86, 031134.	2.1	37
6	Exponentially Accelerated Approach to Stationarity in Markovian Open Quantum Systems through the Mpemba Effect. <i>Physical Review Letters</i> , 2021, 127, 060401.	7.8	33
7	Typical and rare fluctuations in nonlinear driven diffusive systems with dissipation. <i>Physical Review E</i> , 2013, 88, 022110.	2.1	32
8	Paths towards equilibrium in molecular systems: The case of water. <i>Physical Review E</i> , 2019, 100, 032103.	2.1	30
9	Fluctuation-induced current from freestanding graphene. <i>Physical Review E</i> , 2020, 102, 042101.	2.1	20
10	Fluctuating hydrodynamics and mesoscopic effects of spatial correlations in dissipative systems with conserved momentum. <i>New Journal of Physics</i> , 2015, 17, 083039.	2.9	17
11	Memory effects in a gas of viscoelastic particles. <i>Physics of Fluids</i> , 2021, 33, .	4.0	17
12	Unified rheology of vibro-fluidized dry granular media: From slow dense flows to fast gas-like regimes. <i>Scientific Reports</i> , 2016, 6, 38604.	3.3	16
13	Kovacs Memory Effect with an Optically Levitated Nanoparticle. <i>Physical Review Letters</i> , 2021, 127, 130603.	7.8	15
14	An itinerant oscillator model with cage inertia for mesorheological granular experiments. <i>Journal of Chemical Physics</i> , 2015, 143, 064511.	3.0	14
15	Lattice Models for Granular-Like Velocity Fields: Hydrodynamic Description. <i>Journal of Statistical Physics</i> , 2016, 164, 810-841.	1.2	13
16	On the emergence of large and complex memory effects in nonequilibrium fluids. <i>New Journal of Physics</i> , 2019, 21, 033042.	2.9	13
17	Statistics of the dissipated energy in driven diffusive systems. <i>European Physical Journal E</i> , 2016, 39, 35.	1.6	11
18	Lattice models for granular-like velocity fields: finite-size effects. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 093203.	2.3	11

#	ARTICLE	IF	CITATIONS
19	Energy nonequipartition in gas mixtures of inelastic rough hard spheres: The tracer limit. Physical Review E, 2017, 96, 052901.	2.1	11
20	Slow growth of magnetic domains helps fast evolution routes for out-of-equilibrium dynamics. Physical Review E, 2021, 104, 044114.	2.1	11
21	Intruders in disguise: Mimicry effect in granular gases. Physics of Fluids, 2019, 31, 063306.	4.0	7
22	Thermal properties of an impurity immersed in a granular gas of rough hard spheres. EPJ Web of Conferences, 2017, 140, 04003.	0.3	6
23	Hydrodynamics of a Granular Gas in a Heterogeneous Environment. Entropy, 2017, 19, 536.	2.2	5
24	Time evolution of the microscopic state of an athermal fluid. AIP Conference Proceedings, 2019, , .	0.4	1
25	Induced correlations and rupture of molecular chaos by anisotropic dissipative Janus hard disks. Physical Review E, 2019, 100, 052128.	2.1	1