

Giulio Giuseppe Giusteri

List of Publications by Year in descending order

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322
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative robustness to static disorder: Superradiance and localization in a nanoscale ring to model light-harvesting systems found in nature. <i>Physical Review B</i> , 2014, 90, .	3.2	45
2	Microstructure and thickening of dense suspensions under extensional and shear flows. <i>Journal of Fluid Mechanics</i> , 2017, 825, .	3.4	34
3	Non-Hermitian Hamiltonian approach to quantum transport in disordered networks with sinks: Validity and effectiveness. <i>Physical Review B</i> , 2015, 91, .	3.2	31
4	Normal stress differences in dense suspensions. <i>Journal of Fluid Mechanics</i> , 2018, 857, 200-215.	3.4	26
5	Interplay of different environments in open quantum systems: Breakdown of the additive approximation. <i>Physical Review E</i> , 2017, 96, 012113.	2.1	23
6	A theoretical framework for steady-state rheometry in generic flow conditions. <i>Journal of Rheology</i> , 2018, 62, 713-723.	2.6	23
7	Solution of the Kirchhoffâ€™Plateau Problem. <i>Journal of Nonlinear Science</i> , 2017, 27, 1043-1063.	2.1	17
8	Collective couplings: Rectification and supertransmittance. <i>Physical Review E</i> , 2016, 94, 032135.	2.1	13
9	Instability Paths in the Kirchhoffâ€™Plateau Problem. <i>Journal of Nonlinear Science</i> , 2016, 26, 1097-1132.	2.1	12
10	Importance and Effectiveness of Representing the Shapes of Cosserat Rods and Framed Curves as Paths in the Special Euclidean Algebra. <i>Journal of Elasticity</i> , 2018, 132, 43-65.	1.9	11
11	Optimal efficiency of quantum transport in a disordered trimer. <i>Physical Review E</i> , 2016, 93, 032136.	2.1	9
12	Nonsimple isotropic incompressible linear fluids surrounding one-dimensional structures. <i>Acta Mechanica</i> , 2011, 217, 191-204.	2.1	8
13	The multiple nature of concentrated interactions in second-gradient dissipative liquids. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2013, 64, 371-380.	1.4	7
14	Three-dimensional nonsimple viscous liquids dragged by one-dimensional immersed bodies. <i>Mechanics Research Communications</i> , 2010, 37, 642-646.	1.8	6
15	Shear Jamming and Fragility of Suspensions in a Continuum Model with Elastic Constraints. <i>Physical Review Letters</i> , 2021, 127, 138001.	7.8	6
16	Slender-body theory for viscous flow via dimensional reduction and hyperviscous regularization. <i>Meccanica</i> , 2014, 49, 2153-2167.	2.0	5
17	Simulation of viscoelastic Cosserat rods based on the geometrically exact dynamics of special Euclidean strands. <i>International Journal for Numerical Methods in Engineering</i> , 0, , .	2.8	4
18	Efficient light harvesting and photon sensing via engineered cooperative effects. <i>New Journal of Physics</i> , 2022, 24, 013027.	2.9	4

#	ARTICLE	IF	CITATIONS
19	Continuum balances from extended Hamiltonian dynamics. <i>Journal of Chemical Physics</i> , 2017, 146, 224102.	3.0	2
20	Nonlinear free fall of one-dimensional rigid bodies in hyperviscous fluids. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014, 19, 2145-2157.	0.9	2
21	A multi-scale method for complex flows of non-Newtonian fluids. <i>Mathematics in Engineering</i> , 2021, 4, 1-22.	0.9	2
22	Superradiance, disorder, and the non-Hermitian Hamiltonian in open quantum systems. , 2014, , .		1
23	Steady free fall of one-dimensional bodies in a hyperviscous fluid at low Reynolds number. <i>Evolution Equations and Control Theory</i> , 2014, 3, 429-445.	1.3	1