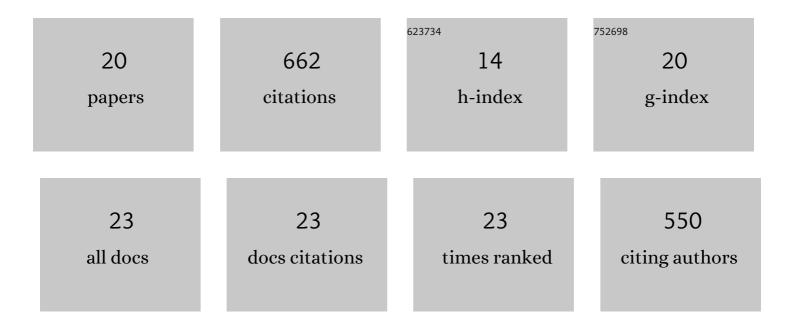
Florencio Balboa Balboa Usabiaga

List of Publications by Year in descending order

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FLORENCIO BALBOA BALBOA

#	Article	IF	CITATIONS
1	Staggered Schemes for Fluctuating Hydrodynamics. Multiscale Modeling and Simulation, 2012, 10, 1369-1408.	1.6	96
2	Rapid sampling of stochastic displacements in Brownian dynamics simulations. Journal of Chemical Physics, 2017, 146, 124116.	3.0	79
3	Hydrodynamics of suspensions of passive and active rigid particles: a rigid multiblob approach. Communications in Applied Mathematics and Computational Science, 2016, 11, 217-296.	1.8	63
4	Brownian dynamics of confined rigid bodies. Journal of Chemical Physics, 2015, 143, 144107.	3.0	53
5	Brownian dynamics without Green's functions. Journal of Chemical Physics, 2014, 140, 134110.	3.0	48
6	Inertial coupling method for particles in an incompressible fluctuating fluid. Computer Methods in Applied Mechanics and Engineering, 2014, 269, 139-172.	6.6	41
7	Relating Rheotaxis and Hydrodynamic Actuation using Asymmetric Gold-Platinum Phoretic Rods. Physical Review Letters, 2019, 123, 178004.	7.8	38
8	Brownian dynamics of confined suspensions of active microrollers. Journal of Chemical Physics, 2017, 146, 134104.	3.0	36
9	Motile dislocations knead odd crystals into whorls. Nature Physics, 2022, 18, 212-218.	16.7	35
10	Inertial coupling for point particle fluctuating hydrodynamics. Journal of Computational Physics, 2013, 235, 701-722.	3.8	31
11	Large scale Brownian dynamics of confined suspensions of rigid particles. Journal of Chemical Physics, 2017, 147, 244103.	3.0	31
12	The Stokes-Einstein relation at moderate Schmidt number. Journal of Chemical Physics, 2013, 139, 214113.	3.0	28
13	Applications of computational geometry to the molecular simulation of interfaces. Physical Review E, 2009, 79, 046709.	2.1	18
14	Characteristic Times of Polymer Tumbling Under Shear Flow. Macromolecular Theory and Simulations, 2011, 20, 466-471.	1.4	15
15	A multiblob approach to colloidal hydrodynamics with inherent lubrication. Journal of Chemical Physics, 2014, 141, 204102.	3.0	15
16	Metallic microswimmers driven up the wall by gravity. Soft Matter, 2021, 17, 6597-6602.	2.7	12
17	Minimal model for acoustic forces on Brownian particles. Physical Review E, 2013, 88, 063304.	2.1	7
18	Hydrodynamic fluctuations in quasi-two dimensional diffusion. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063207.	2.3	6

#	Article	IF	CITATIONS
19	Hydrodynamics of spike proteins dictate a transport-affinity competition for SARS-CoV-2 and other enveloped viruses. Scientific Reports, 2022, 12, .	3.3	6
20	A numerical method for suspensions of articulated bodies in viscous flows. Journal of Computational Physics, 2022, 464, 111365.	3.8	2