

Ignacio Pagonabarraga

List of Publications by Year in descending order

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222
papers

7,313
citations

66250

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224
times ranked

5978
citing authors

#	ARTICLE	IF	CITATIONS
1	Active microrheology in corrugated channels: Comparison of thermal and colloidal baths. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2694-2702.	5.0	5
2	Unified analysis of topological defects in 2D systems of active and passive disks. <i>Soft Matter</i> , 2022, 18, 566-591.	1.2	21
3	Hydrodynamic and geometric effects in the sedimentation of model run-and-tumble microswimmers. <i>Soft Matter</i> , 2022, 18, 2407-2413.	1.2	5
4	Microfluidics Approach to the Mechanical Properties of Red Blood Cell Membrane and Their Effect on Blood Rheology. <i>Membranes</i> , 2022, 12, 217.	1.4	18
5	The long cross-over dynamics of capillary imbibition. <i>Journal of Fluid Mechanics</i> , 2022, 939, .	1.4	5
6	Nematic Ordering of Anisotropic Nanoparticles in Block Copolymers. <i>Advanced Theory and Simulations</i> , 2022, 5, .	1.3	4
7	Nanoparticle anisotropy induces sphere-to-cylinder phase transition in block copolymer melts. <i>Soft Matter</i> , 2022, 18, 3638-3643.	1.2	4
8	Adsorption of amphiphilic grafted polymers as polymer corrosion inhibitors: insights from mesoscopic simulations. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11992-12001.	1.3	5
9	Hybrid Time-Dependent Ginzburg-Landau Simulations of Block Copolymer Nanocomposites: Nanoparticle Anisotropy. <i>Polymers</i> , 2022, 14, 1910.	2.0	2
10	From motility-induced phase-separation to glassiness in dense active matter. <i>Communications Physics</i> , 2022, 5, .	2.0	26
11	Small Obstacle in a Large Polar Flock. <i>Physical Review Letters</i> , 2022, 128, .	2.9	7
12	A lattice Boltzmann model for self-diffusiophoretic particles near and at liquid-liquid interfaces. <i>Journal of Chemical Physics</i> , 2022, 156, 224105.	1.2	0
13	Hydrodynamic synchronization and clustering in ratcheting colloidal matter. <i>Science Advances</i> , 2022, 8, .	4.7	5
14	Maximizing friction by liquid flow clogging in confinement. <i>European Physical Journal E</i> , 2022, 45, .	0.7	2
15	Parallel Hybrid Simulations of Block Copolymer Nanocomposites using Coarray Fortran. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100007.	0.6	2
16	Fluctuation-dissipation relations in the absence of detailed balance: formalism and applications to active matter. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 043201.	0.9	17
17	Static and Dynamic Self-Assembly of Pearl-Like Chains of Magnetic Colloids Confined at Fluid Interfaces. <i>Small</i> , 2021, 17, e2101188.	5.2	16
18	Superparamagnetic Colloids: Static and Dynamic Self-Assembly of Pearl-Like Chains of Magnetic Colloids Confined at Fluid Interfaces (Small 25/2021). <i>Small</i> , 2021, 17, 2170127.	5.2	0

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19	Guided accumulation of active particles by topological design of a second-order skin effect. <i>Nature Communications</i> , 2021, 12, 4691.	5.8	44
20	Aggregation of discoidal particles due to depletion interaction. <i>Journal of Chemical Physics</i> , 2021, 155, 074904.	1.2	3
21	Novel mechanism for oscillations in catchbonded motor-filament complexes. <i>Biophysical Journal</i> , 2021, 120, 4129-4136.	0.2	2
22	Collective motion of run-and-tumble repulsive and attractive particles in one-dimensional systems. <i>Soft Matter</i> , 2021, 17, 10479-10491.	1.2	4
23	Alignment interactions drive structural transitions in biological tissues. <i>Physical Review E</i> , 2021, 104, 044606.	0.8	7
24	Spontaneous chiralization of polar active particles. <i>Physical Review E</i> , 2021, 104, 044607.	0.8	2
25	Arrested phase separation in chiral fluids of colloidal spinners. <i>Physical Review Research</i> , 2021, 3, .	1.3	17
26	Phase separation of self-propelled disks with ferromagnetic and nematic alignment. <i>Physical Review E</i> , 2021, 104, 054611.	0.8	15
27	Unravelling the role of phoretic and hydrodynamic interactions in active colloidal suspensions. <i>Soft Matter</i> , 2020, 16, 8893-8903.	1.2	6
28	Unfolding the prospects of computational (bio)materials modeling. <i>Journal of Chemical Physics</i> , 2020, 153, 100901.	1.2	8
29	Modification of lipid membrane compressibility induced by an electric field. <i>Physical Review E</i> , 2020, 102, 062413.	0.8	2
30	Self-Assembly of Microscopic Rods Due to Depletion Interaction. <i>Entropy</i> , 2020, 22, 1114.	1.1	4
31	Kinetics of active water/ethanol Janus droplets. <i>Soft Matter</i> , 2020, 16, 6803-6811.	1.2	7
32	Self-Propulsion of Active Colloids via Ion Release: Theory and Experiments. <i>Physical Review Letters</i> , 2020, 124, 108001.	2.9	32
33	Propulsion and energetics of a minimal magnetic microswimmer. <i>Soft Matter</i> , 2020, 16, 6673-6682.	1.2	5
34	Dynamics and clogging of colloidal monolayers magnetically driven through a heterogeneous landscape. <i>Soft Matter</i> , 2020, 16, 6985-6992.	1.2	4
35	Block Copolymerâ€™s Nanorod Co-assembly in Thin Films: Effects of Rodâ€™s Rod Interaction and Confinement. <i>Macromolecules</i> , 2020, 53, 3234-3249.	2.2	8
36	Dynamic response of a compressible binary fluid mixture. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	7

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37	Spontaneous polarization and locomotion of an active particle with surface-mobile enzymes. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	9
38	Flocking-enhanced social contagion. <i>Physical Review Research</i> , 2020, 2, .	1.3	10
39	2D melting and motility induced phase separation in Active Brownian Hard Disks and Dumbbells. <i>Journal of Physics: Conference Series</i> , 2019, 1163, 012073.	0.3	7
40	Confinement-controlled rectification in a geometric nanofluidic diode. <i>Journal of Chemical Physics</i> , 2019, 151, 044707.	1.2	13
41	Co-assembly of Janus nanoparticles in block copolymer systems. <i>Soft Matter</i> , 2019, 15, 6400-6410.	1.2	5
42	Guidance of active particles at liquid-liquid interfaces near surfaces. <i>Soft Matter</i> , 2019, 15, 6581-6588.	1.2	14
43	Driving an electrolyte through a corrugated nanopore. <i>Journal of Chemical Physics</i> , 2019, 151, 084902.	1.2	15
44	Asymmetric and long range interactions in shaken granular media. <i>Journal of Chemical Physics</i> , 2019, 151, 164903.	1.2	4
45	Nonspherical Nanoparticles in Block Copolymer Composites: Nanosquares, Nanorods, and Diamonds. <i>Macromolecules</i> , 2019, 52, 8285-8294.	2.2	12
46	Orientalional order and morphology of clusters of self-assembled Janus swimmers. <i>Physical Review E</i> , 2019, 99, 062602.	0.8	4
47	Collective behavior of red blood cells in confined channels. <i>European Physical Journal E</i> , 2019, 42, 46.	0.7	10
48	Leap-frog transport of magnetically driven anisotropic colloidal rotors. <i>Journal of Chemical Physics</i> , 2019, 150, 164901.	1.2	7
49	Microscale Magneto-Elastic Composite Swimmers at the Air-Water and Water-Solid Interfaces Under a Uniaxial Field. <i>Physical Review Applied</i> , 2019, 11, .	1.5	8
50	Direct measurement of Lighthill's energetic efficiency of a minimal magnetic microswimmer. <i>Nanoscale</i> , 2019, 11, 18723-18729.	2.8	10
51	Large scale three dimensional simulations of hybrid block copolymer/nanoparticle systems. <i>Soft Matter</i> , 2019, 15, 9325-9335.	1.2	5
52	Linear Response Theory and Green-Kubo Relations for Active Matter. <i>Physical Review Letters</i> , 2019, 123, 238003.	2.9	42
53	Activity induced synchronization: Mutual flocking and chiral self-sorting. <i>Physical Review Research</i> , 2019, 1, .	1.3	62
54	Flow of colloidal suspensions through small orifices. <i>Physical Review E</i> , 2018, 97, 012611.	0.8	24

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55	Emergent hydrodynamic bound states between magnetically powered micropropellers. <i>Science Advances</i> , 2018, 4, eaap9379.	4.7	54
56	A unified description of colloidal thermophoresis. <i>European Physical Journal E</i> , 2018, 41, 7.	0.7	46
57	Mesoscopic electrohydrodynamic simulations of binary colloidal suspensions. <i>Journal of Chemical Physics</i> , 2018, 148, 144101.	1.2	12
58	Magnetically tunable bidirectional locomotion of a self-assembled nanorod-sphere propeller. <i>Nature Communications</i> , 2018, 9, 1663.	5.8	42
59	Collective motion of active Brownian particles with polar alignment. <i>Soft Matter</i> , 2018, 14, 2610-2618.	1.2	75
60	Dissipative particle dynamics simulations of tri-block co-polymer and water: Phase diagram validation and microstructure identification. <i>Journal of Chemical Physics</i> , 2018, 149, 184903.	1.2	26
61	Active microrheology in corrugated channels. <i>Journal of Chemical Physics</i> , 2018, 149, 174908.	1.2	10
62	Stabilization of overlapping biofilaments by passive crosslinkers. <i>Europhysics Letters</i> , 2018, 124, 58003.	0.7	1
63	Velocity alignment promotes motility-induced phase separation. <i>Europhysics Letters</i> , 2018, 124, 30004.	0.7	47
64	Active apolar doping determines routes to colloidal clusters and gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10618-10623.	3.3	25
65	Rheological behavior of colloidal suspension with long-range interactions. <i>Physical Review E</i> , 2018, 98, .	0.8	3
66	Full Phase Diagram of Active Brownian Disks: From Melting to Motility-Induced Phase Separation. <i>Physical Review Letters</i> , 2018, 121, 098003.	2.9	227
67	Phase Behavior of Block Copolymer Nanocomposite Systems. <i>Advanced Theory and Simulations</i> , 2018, 1, 1800066.	1.3	13
68	Spatiotemporal control of cargo delivery performed by programmable self-propelled Janus droplets. <i>Communications Physics</i> , 2018, 1, .	2.0	34
69	When do redundant fluidic networks outperform non-redundant ones?. <i>Europhysics Letters</i> , 2017, 117, 64002.	0.7	5
70	Publisher's Note: Synchronization in Dynamical Networks of Locally Coupled Self-Propelled Oscillators [Phys. Rev. X 7, 011028 (2017)]. <i>Physical Review X</i> , 2017, 7, .	2.8	0
71	Driven transport on open filaments with interfilament switching processes. <i>Physical Review E</i> , 2017, 95, 022417.	0.8	2
72	Synchronization in Dynamical Networks of Locally Coupled Self-Propelled Oscillators. <i>Physical Review X</i> , 2017, 7, .	2.8	27

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73	Polarized cortical tension drives zebrafish epiboly movements. <i>EMBO Journal</i> , 2017, 36, 25-41.	3.5	28
74	Morphology of clusters of attractive dry and wet self-propelled spherical particle suspensions. <i>Soft Matter</i> , 2017, 13, 814-826.	1.2	47
75	Active Brownian equation of state: metastability and phase coexistence. <i>Soft Matter</i> , 2017, 13, 8113-8119.	1.2	70
76	Bistability, Oscillations, and Bidirectional Motion of Ensemble of Hydrodynamically Coupled Molecular Motors. <i>Physical Review Letters</i> , 2017, 119, 168101.	2.9	8
77	Bidirectional motion of filaments: the role of motor proteins and passive cross linkers. <i>Soft Matter</i> , 2017, 13, 7129-7140.	1.2	4
78	Cell Dynamic Simulations of Diblock Copolymer/Colloid Systems. <i>Macromolecular Theory and Simulations</i> , 2017, 26, 1600050.	0.6	8
79	Resonances of Newtonian fluids in elastomeric microtubes. <i>Physics of Fluids</i> , 2017, 29, 122003.	1.6	10
80	Propulsion and hydrodynamic particle transport of magnetically twisted colloidal ribbons. <i>New Journal of Physics</i> , 2017, 19, 103031.	1.2	16
81	Elastic and dynamic properties of membrane phase-field models. <i>European Physical Journal E</i> , 2017, 40, 77.	0.7	5
82	Rectification and Non-Gaussian Diffusion in Heterogeneous Media. <i>Entropy</i> , 2016, 18, 394.	1.1	11
83	Emergent structures and dynamics of cell colonies by contact inhibition of locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14621-14626.	3.3	73
84	Energy-conserving coarse-graining of complex molecules. <i>Soft Matter</i> , 2016, 12, 4821-4837.	1.2	22
85	Entropically induced asymmetric passage times of charged tracers across corrugated channels. <i>Journal of Chemical Physics</i> , 2016, 144, 034901.	1.2	28
86	Universal evolution of a viscous capillary spreading drop. <i>Soft Matter</i> , 2016, 12, 6073-6078.	1.2	6
87	Colloidal Microworms Propelling via a Cooperative Hydrodynamic Conveyor Belt. <i>Physical Review Letters</i> , 2015, 115, 138301.	2.9	101
88	Clustering and Pattern Formation in Chemorepulsive Active Colloids. <i>Physical Review Letters</i> , 2015, 115, 258301.	2.9	111
89	Tracer diffusion of hard-sphere binary mixtures under nano-confinement. <i>Journal of Chemical Physics</i> , 2015, 143, 184501.	1.2	14
90	Geometrically Tuned Channel Permeability. <i>Macromolecular Symposia</i> , 2015, 357, 178-188.	0.4	14

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91	Multi-scale permeability of deformable fibrous porous media. <i>Chemical Engineering Science</i> , 2015, 126, 471-482.	1.9	5
92	Superconfinement tailors fluid flow at microscales. <i>Nature Communications</i> , 2015, 6, 7297.	5.8	16
93	Life at the mesoscale: the self-organised cytoplasm and nucleoplasm. <i>BMC Biophysics</i> , 2015, 8, 4.	4.4	16
94	Phase-field theories for mathematical modeling of biological membranes. <i>Chemistry and Physics of Lipids</i> , 2015, 185, 46-60.	1.5	24
95	Obstructions in Vascular Networks: Relation Between Network Morphology and Blood Supply. <i>PLoS ONE</i> , 2015, 10, e0128111.	1.1	12
96	Working under confinement. <i>European Physical Journal: Special Topics</i> , 2014, 223, 3295-3309.	1.2	10
97	Rheology of red blood cells under flow in highly confined microchannels: I. effect of elasticity. <i>Soft Matter</i> , 2014, 10, 7195.	1.2	53
98	Entropic Electrokinetics: Recirculation, Particle Separation, and Negative Mobility. <i>Physical Review Letters</i> , 2014, 113, 128301.	2.9	49
99	Rheology of red blood cells under flow in highly confined microchannels. II. Effect of focusing and confinement. <i>Soft Matter</i> , 2014, 10, 7207.	1.2	29
100	Stress transmission in systems of faceted particles in a silo: the roles of filling rate and particle aspect ratio. <i>Granular Matter</i> , 2014, 16, 411-420.	1.1	12
101	Clogging transition of many-particle systems flowing through bottlenecks. <i>Scientific Reports</i> , 2014, 4, 7324.	1.6	237
102	On the role of composition entropies in the statistical mechanics of polydisperse systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P10038.	0.9	6
103	Elastic energies and morphologies of the first stages of the discoechinocyte transition. <i>Soft Matter</i> , 2013, 9, 6430.	1.2	11
104	Confined Brownian ratchets. <i>Journal of Chemical Physics</i> , 2013, 138, 194906.	1.2	49
105	Chemical Cycle Kinetics: Removing the Limitation of Linearity of a Non-equilibrium Thermodynamic Description. <i>International Journal of Thermophysics</i> , 2013, 34, 1214-1228.	1.0	14
106	The structure and rheology of sheared model swimmer suspensions. <i>Soft Matter</i> , 2013, 9, 7174.	1.2	34
107	Mesosopic non-equilibrium thermodynamic analysis of molecular motors. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19405.	1.3	8
108	Inertial coupling for point particle fluctuating hydrodynamics. <i>Journal of Computational Physics</i> , 2013, 235, 701-722.	1.9	31

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109	Spontaneous aggregation and global polar ordering in squirmer suspensions. <i>Journal of Molecular Liquids</i> , 2013, 185, 56-61.	2.3	88
110	Theory of Wetting-Induced Fluid Entrainment by Advancing Contact Lines on Dry Surfaces. <i>Physical Review Letters</i> , 2013, 110, 264502.	2.9	20
111	Electrokinetics: insights from simulation on the microscopic scale. <i>Molecular Physics</i> , 2013, 111, 827-842.	0.8	50
112	The Lost Work in Dissipative Self-Assembly. <i>International Journal of Thermophysics</i> , 2013, 34, 1229-1238.	1.0	16
113	Effective electrodiffusion equation for non-uniform nanochannels. <i>Journal of Chemical Physics</i> , 2013, 138, 244107.	1.2	17
114	Accounting for adsorption and desorption in lattice Boltzmann simulations. <i>Physical Review E</i> , 2013, 88, 013308.	0.8	39
115	Influence of the feeding mechanism on deposits of square particles. <i>Physical Review E</i> , 2013, 87, 012202.	0.8	14
116	Brittle-to-ductile transition in a fiber bundle with strong heterogeneity. <i>Physical Review E</i> , 2013, 87, 042816.	0.8	20
117	Cooperative motion of intrinsic and actuated semiflexible swimmers. <i>Physical Review E</i> , 2013, 87, .	0.8	17
118	Entropic transport in confined media: a challenge for computational studies in biological and soft-matter systems. <i>Frontiers in Physics</i> , 2013, 1, .	1.0	44
119	Intrinsic oscillations of polymerizing antiparallel microtubules in a motor bath. <i>Europhysics Letters</i> , 2012, 98, 68005.	0.7	4
120	Cooperative rectification in confined Brownian ratchets. <i>Physical Review E</i> , 2012, 85, 010105.	0.8	33
121	Running Faster Together: Huge Speed up of Thermal Ratchets due to Hydrodynamic Coupling. <i>Physical Review Letters</i> , 2012, 109, 168101.	2.9	25
122	AFM measurements and lipid rearrangements: evidence from red blood cell shape changes. <i>Soft Matter</i> , 2012, 8, 7716.	1.2	20
123	Adsorbed colloids relax slowly. <i>Nature Materials</i> , 2012, 11, 99-100.	13.3	6
124	Density-dependent dispersal and population aggregation patterns. <i>Journal of Theoretical Biology</i> , 2012, 309, 113-120.	0.8	25
125	Growth saturation of unstable thin films on transverse-striped hydrophilic-hydrophobic micropatterns. <i>Soft Matter</i> , 2011, 7, 6051.	1.2	2
126	Determination of the zeta potential for highly charged colloidal suspensions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 2546-2554.	1.6	9

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127	Colloid Electrophoresis for Strong and Weak Ion Diffusivity. <i>Physical Review Letters</i> , 2011, 106, 248304.	2.9	26
128	Concentration fluctuations in non-isothermal reaction-diffusion systems. II. The nonlinear case. <i>Journal of Chemical Physics</i> , 2011, 135, 124516.	1.2	11
129	Controlled drop emission by wetting properties in driven liquid filaments. <i>Nature Materials</i> , 2011, 10, 367-371.	13.3	72
130	Stress distribution of faceted particles in a silo after its partial discharge. <i>European Physical Journal E</i> , 2011, 34, 1-8.	0.7	34
131	Modeling of Block Copolymer/Colloid Hybrid Composite Materials. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 769-779.	0.6	14
132	Nonisothermal diffusionâ€“reaction with nonlinear Kramers kinetics. <i>Comptes Rendus - Mecanique</i> , 2011, 339, 287-291.	2.1	1
133	Phase segregation and transport in a two-species multi-lane system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P11011.	0.9	12
134	Lattice-Boltzmann-Langevin simulations of binary mixtures. <i>Physical Review E</i> , 2011, 84, 046709.	0.8	31
135	Hydrodynamic interaction between two trapped swimming model micro-organisms. <i>European Physical Journal E</i> , 2010, 33, 27-39.	0.7	15
136	Hydrodynamic interactions in squirmer motion: Swimming with a neighbour and close to a wall. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 946-952.	1.0	88
137	Controlled propulsion in viscous fluids of magnetically actuated colloidal doublets. <i>Physical Review E</i> , 2010, 81, 011402.	0.8	48
138	Arrested phase separation in reproducing bacteria creates a generic route to pattern formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11715-11720.	3.3	241
139	Cooling dynamics of a granular gas of elongated particles. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P06020.	0.9	19
140	Granular packings of elongated faceted particles deposited under gravity. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P06025.	0.9	26
141	Recent advances in the modelling and simulation of electrokinetic effects: bridging the gap between atomistic and macroscopic descriptions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9566.	1.3	75
142	Coarse-grained simulations of charge, current and flow in heterogeneous media. <i>Faraday Discussions</i> , 2010, 144, 223-243.	1.6	49
143	Lattice-gas model for active vesicle transport by molecular motors with opposite polarities. <i>Physical Review E</i> , 2010, 82, 021925.	0.8	26
144	Dynamics of Gravity Driven Three-Dimensional Thin Films on Hydrophilicâ”Hydrophobic Patterned Substrates. <i>Langmuir</i> , 2010, 26, 3292-3301.	1.6	3

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145	Condensation transition in polydisperse hard rods. <i>Journal of Chemical Physics</i> , 2010, 132, 014102.	1.2	11
146	Mesoscopic non-equilibrium thermodynamics of non-isothermal reaction-diffusion. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12780.	1.3	24
147	Accurate simulation dynamics of microscopic filaments using "caterpillar"-Oseen hydrodynamics. <i>Physical Review E</i> , 2009, 80, 046707.	0.8	7
148	Negative fluctuation-dissipation ratios in the backgammon model. <i>Physical Review E</i> , 2009, 79, 041122.	0.8	2
149	Avalanche dynamics of fiber bundle models. <i>Physical Review E</i> , 2009, 80, 051108.	0.8	40
150	Role of Particle Shape on the Stress Propagation in Granular Packings. <i>Physical Review Letters</i> , 2009, 103, 118001.	2.9	71
151	Collision induced fragmentation: A simple numerical algorithm. <i>European Physical Journal: Special Topics</i> , 2009, 179, 43-53.	1.2	1
152	Cooperative Effects in Biological Suspensions: From Filaments to Propellers. <i>Lecture Notes in Physics</i> , 2009, , 133-152.	0.3	1
153	Modelling capillary phenomena at a mesoscale: From simple to complex fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 154, 13-21.	1.0	8
154	Cooperativity and hydrodynamic interactions in externally driven semiflexible filaments. <i>Computer Physics Communications</i> , 2008, 179, 150-154.	3.0	5
155	Parallel simulation of particle suspensions with the lattice Boltzmann method. <i>Computers and Mathematics With Applications</i> , 2008, 55, 1585-1593.	1.4	40
156	Hydrodynamic regimes of active rotators at fluid interfaces. <i>European Physical Journal E</i> , 2008, 26, 103-113.	0.7	27
157	Magnetically Actuated Colloidal Microswimmers. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16525-16528.	1.2	126
158	Controlled Swimming in Confined Fluids of Magnetically Actuated Colloidal Rotors. <i>Physical Review Letters</i> , 2008, 101, 218304.	2.9	233
159	Equation of state for hard-sphere fluids with and without Kac tails. <i>American Journal of Physics</i> , 2008, 76, 777-779.	0.3	5
160	Dispersion of charged tracers in charged porous media. <i>Europhysics Letters</i> , 2008, 83, 34004.	0.7	28
161	Dynamics of driven three-dimensional thin films: From hydrophilic to superhydrophobic regimes. <i>Physics of Fluids</i> , 2008, 20, 072101.	1.6	7
162	Universality class of fiber bundles with strong heterogeneities. <i>Europhysics Letters</i> , 2008, 81, 54005.	0.7	27

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163	Dynamic stability of spindles controlled by molecular motor kinetics. <i>Europhysics Letters</i> , 2008, 81, 48003.	0.7	6
164	Collective vesicle transport on biofilaments carried by competing molecular motors. <i>Europhysics Letters</i> , 2008, 84, 58009.	0.7	16
165	Critical ruptures in a bundle of slowly relaxing fibers. <i>Physical Review E</i> , 2008, 77, 036102.	0.8	20
166	Driven fragmentation of granular gases. <i>Physical Review E</i> , 2008, 77, 061305.	0.8	4
167	Density dependent potentials: Structure and thermodynamics. <i>Journal of Chemical Physics</i> , 2007, 127, 054903.	1.2	23
168	Three-dimensional aspects of fluid flows in channels. II. Effects of meniscus and thin film regimes on viscous fingers. <i>Physics of Fluids</i> , 2007, 19, 102113.	1.6	12
169	Three-dimensional aspects of fluid flows in channels. I. Meniscus and thin film regimes. <i>Physics of Fluids</i> , 2007, 19, 102112.	1.6	16
170	Fragmenting granular gases. <i>Europhysics Letters</i> , 2007, 77, 64001.	0.7	4
171	Hydrodynamic flow caused by active transport along cytoskeletal elements. <i>Europhysics Letters</i> , 2007, 78, 18001.	0.7	39
172	Sedimentation of pairs of hydrodynamically interacting semiflexible filaments. <i>Physical Review E</i> , 2007, 76, 061901.	0.8	32
173	The nonlinear fragmentation equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, F331-F337.	0.7	23
174	Understanding Liquid/Colloids Composites with Mesoscopic Simulations. <i>Nanoscience and Technology</i> , 2007, , 587-615.	1.5	0
175	Lattice-Boltzmann simulation of the sedimentation of charged disks. <i>Journal of Chemical Physics</i> , 2006, 124, 124903.	1.2	21
176	A mesoscopic model for (de)wetting. <i>European Physical Journal E</i> , 2006, 20, 209-214.	0.7	26
177	A Lattice-Boltzmann model for suspensions of self-propelling colloidal particles. <i>European Physical Journal E</i> , 2006, 20, 151-158.	0.7	45
178	Test of the fluctuation theorem for stochastic entropy production in a nonequilibrium steady state. <i>Physical Review E</i> , 2006, 74, 061113.	0.8	12
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