Lyderic Bocquet

List of Publications by Year
in descending order

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195 papers	21,426 citations	8172 76 h-index	9334 143 g-index
196 all docs	196 docs citations	196 times ranked	13294 citing authors

#	Article	IF	Citations
1	Electronic screening using a virtual Thomasâ€"Fermi fluid for predicting wetting and phase transitions of ionic liquids at metal surfaces. Nature Materials, 2022, 21, 237-245.	13.3	22
2	Chemisorbed vs physisorbed surface charge and its impact on electrokinetic transport: Carbon vs boron nitride surface. Journal of Chemical Physics, 2022, 156, 044703.	1.2	10
3	Fluctuation-induced quantum friction in nanoscale water flows. Nature, 2022, 602, 84-90.	13.7	97
4	Enhanced nanofluidic transport in activated carbon nanoconduits. Nature Materials, 2022, 21, 696-702.	13.3	36
5	Fluids at the Nanoscale: From Continuum to Subcontinuum Transport. Annual Review of Fluid Mechanics, 2021, 53, 377-410.	10.8	172
6	Life on the osmotic slopes. Nature Physics, 2021, 17, 763-764.	6.5	1
7	Modeling of emergent memory and voltage spiking in ionic transport through angstrom-scale slits. Science, 2021, 373, 687-691.	6.0	89
8	Mechanically activated ionic transport across single-digit carbon nanotubes. Nature Materials, 2020, 19, 1057-1061.	13.3	64
9	Studying polymer diffusiophoresis with non-equilibrium molecular dynamics. Journal of Chemical Physics, 2020, 152, 164901.	1.2	6
10	Nanofluidics coming of age. Nature Materials, 2020, 19, 254-256.	13.3	255
11	Resonant osmosis across active switchable membranes. Journal of Chemical Physics, 2020, 152, 054704.	1.2	5
12	Ultrafast photomechanical transduction through thermophoretic implosion. Nature Communications, 2020, 11, 50.	5.8	11
13	Local and global force balance for diffusiophoretic transport. Journal of Fluid Mechanics, 2020, 892, .	1.4	13
14	Nanotribology of Ionic Liquids: Transition to Yielding Response in Nanometric Confinement with Metallic Surfaces. Physical Review X, 2020, 10, .	2.8	8
15	Entrance effects in concentration-gradient-driven flow through an ultrathin porous membrane. Journal of Chemical Physics, 2019, 151, 044705.	1.2	19
16	Nanorheology of Interfacial Water during Ice Gliding. Physical Review X, 2019, 9, .	2.8	26
17	Adsorption Kinetics in Open Nanopores as a Source of Low-Frequency Noise. Nano Letters, 2019, 19, 7265-7272.	4.5	25
18	MicroMegascope based dynamic surface force apparatus. Nanotechnology, 2019, 30, 195502.	1.3	6

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19	Osmosis, from molecular insights to large-scale applications. Chemical Society Reviews, 2019, 48, 3102-3144.	18.7	177
20	Atomic rheology of gold nanojunctions. Nature, 2019, 569, 393-397.	13.7	13
21	Molecular streaming and its voltage control in Ã¥ngstrÃ¶m-scale channels. Nature, 2019, 567, 87-90.	13.7	170
22	Ionic Coulomb blockade as a fractional Wien effect. Nature Nanotechnology, 2019, 14, 573-578.	15.6	51
23	Beyond the Tradeoff: Dynamic Selectivity in Ionic Transport and Current Rectification. Journal of Physical Chemistry B, 2019, 123, 1171-1185.	1.2	53
24	Crossover of the Power-Law Exponent for Carbon Nanotube Conductivity as a Function of Salinity. Journal of Physical Chemistry B, 2018, 122, 2992-2997.	1.2	27
25	Dripplons as localized and superfast ripples of water confined between graphene sheets. Nature Communications, 2018, 9, 1496.	5.8	50
26	Dramatic pressure-sensitive ion conduction in conical nanopores. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4063-4068.	3.3	48
27	Shear thinning in non-Brownian suspensions. Soft Matter, 2018, 14, 879-893.	1.2	69
28	Interfacial transport with mobile surface charges and consequences for ionic transport in carbon nanotubes. European Physical Journal E, 2018, 41, 148.	0.7	25
29	Transport and dispersion across wiggling nanopores. Nature Physics, 2018, 14, 1108-1113.	6.5	81
30	MicroMegascope. Nanotechnology, 2018, 29, 355501.	1.3	6
31	Electrostatic interactions between ions near Thomasâ€"Fermi substrates and the surface energy of ionic crystals at imperfect metals. Faraday Discussions, 2017, 199, 129-158.	1.6	16
32	Flows in one-dimensional and two-dimensional carbon nanochannels: Fast and curious. MRS Bulletin, 2017, 42, 278-282.	1.7	15
33	Osmotic and diffusio-osmotic flow generation at high solute concentration. II. Molecular dynamics simulations. Journal of Chemical Physics, 2017, 146, 194702.	1.2	34
34	Osmotic and diffusio-osmotic flow generation at high solute concentration. I. Mechanical approaches. Journal of Chemical Physics, 2017, 146, 194701.	1.2	41
35	Nanoscale capillary freezing of ionic liquids confined between metallic interfaces and the role of electronic screening. Nature Materials, 2017, 16, 634-639.	13.3	125
36	Active sieving across driven nanopores for tunable selectivity. Journal of Chemical Physics, 2017, 147, 154701.	1.2	8

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37	Nanotribology and voltage-controlled friction: general discussion. Faraday Discussions, 2017, 199, 349-376.	1.6	0
38	The Landauâ€"Squire plume. Journal of Fluid Mechanics, 2017, 826, .	1.4	9
39	Linking Rheology and Printability for Dense and Strong Ceramics by Direct Ink Writing. Scientific Reports, 2017, 7, 6017.	1.6	234
40	New avenues for the large-scale harvesting of blue energy. Nature Reviews Chemistry, 2017, 1, .	13.8	383
41	Electrotunable wetting, and micro- and nanofluidics: general discussion. Faraday Discussions, 2017, 199, 195-237.	1.6	2
42	Pairwise frictional profile between particles determines discontinuous shear thickening transition in non-colloidal suspensions. Nature Communications, 2017, 8, 15633.	5.8	142
43	Hydrodynamic slippage of water at surfaces. , 2017, , .		1
44	Origins of Negative Gas Adsorption. CheM, 2016, 1, 873-886.	5.8	89
45	Carbon membranes for efficient water-ethanol separation. Journal of Chemical Physics, 2016, 145, 124708.	1.2	50
46	Labyrinthine water flow across multilayer graphene-based membranes: Molecular dynamics versus continuum predictions. Journal of Chemical Physics, 2016, 144, 234701.	1.2	51
47	Massive radius-dependent flow slippage in carbon nanotubes. Nature, 2016, 537, 210-213.	13.7	537
48	Active Osmotic Exchanger for Efficient Nanofiltration Inspired by the Kidney. Physical Review X, 2016, 6, .	2.8	8
49	Scaling Behavior for Ionic Transport and its Fluctuations in Individual Carbon Nanotubes. Physical Review Letters, 2016, 116, 154501.	2.9	158
50	Velocity Condensation for Magnetotactic Bacteria. Physical Review Letters, 2016, 116, 168101.	2.9	18
51	Anomalous capillary filling and wettability reversal in nanochannels. Physical Review E, 2016, 93, 033123.	0.8	43
52	Chemisorption of Hydroxide on 2D Materials from DFT Calculations: Graphene versus Hexagonal Boron Nitride. Journal of Physical Chemistry Letters, 2016, 7, 4695-4700.	2.1	92
53	Activated desorption at heterogeneous interfaces and long-time kinetics of hydrocarbon recovery from nanoporous media. Nature Communications, 2016, 7, 11890.	5.8	100
54	Destabilization of a flow focused suspension of magnetotactic bacteria. Physical Review Fluids, 2016, 1, .	1.0	45

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55	Nonequilibrium Equation of State in Suspensions of Active Colloids. Physical Review X, 2015, 5, .	2.8	131
56	Subcontinuum mass transport of condensed hydrocarbons in nanoporous media. Nature Communications, 2015, 6, 6949.	5.8	239
57	Phonon modes for faster flow. Nature Nanotechnology, 2015, 10, 657-658.	15.6	13
58	From Paris to Lyon, and from simple to complex liquids: a view on Jean-Pierre Hansen's contribution. Molecular Physics, 2015, 113, 2378-2382.	0.8	1
59	Ultra-sensitive flow measurement in individual nanopores through pressure â€“ driven particle translocation. Nanoscale, 2015, 7, 7965-7970.	2.8	9
60	Large permeabilities of hourglass nanopores: From hydrodynamics to single file transport. Journal of Chemical Physics, 2014, 141, 18C526.	1.2	86
61	Bubbles as osmotic membranes. Nature Nanotechnology, 2014, 9, 249-251.	15.6	10
62	Sub-additive ionic transport across arrays of solid-state nanopores. Physics of Fluids, 2014, 26, .	1.6	57
63	Boundary conditions for soft glassy flows: slippage and surface fluidization. Soft Matter, 2014, 10, 6984-6989.	1.2	38
64	Universal and non-universal features in coarse-grained models of flow in disordered solids. Soft Matter, 2014, 10, 4648-4661.	1.2	39
65	How a â€œpinch of saltâ€•can tune chaotic mixing of colloidal suspensions. Soft Matter, 2014, 10, 4795.	1.2	20
66	Physics and technological aspects of nanofluidics. Lab on A Chip, 2014, 14, 3143-3158.	3.1	135
67	Osmotic Flow through Fully Permeable Nanochannels. Physical Review Letters, 2014, 112, 244501.	2.9	85
68	Ultrahigh interlayer friction in multiwalled boron nitride nanotubes. Nature Materials, 2014, 13, 688-693.	13.3	97
69	On the Green-Kubo relationship for the liquid-solid friction coefficient. Journal of Chemical Physics, 2013, 139, 044704.	1.2	76
70	Confined flows of a polymer microgel. European Physical Journal E, 2013, 36, 30.	0.7	62
71	Giant osmotic energy conversion measured in a single transmembrane boron nitride nanotube. Nature, 2013, 494, 455-458.	13.7	937
72	Nanofluidic Osmotic Diodes: Theory and Molecular Dynamics Simulations. Physical Review Letters, 2013, 111, 244501.	2.9	75

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73	A molecular dynamics study of non-local effects in the flow of soft jammed particles. Soft Matter, 2013, 9, 7489.	1.2	43
74	FIB Design for Nanofluidic Applications. Lecture Notes in Nanoscale Science and Technology, 2013, , 373-389.	0.4	0
75	Soft Nanofluidic Transport in a Soap Film. Physical Review Letters, 2013, 110, 054502.	2.9	31
76	Thermal fluctuations of hydrodynamic flows in nanochannels. Physical Review E, 2013, 88, 012106.	0.8	26
77	Optimizing water permeability through the hourglass shape of aquaporins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16367-16372.	3.3	194
78	Un moteur Ã â€™eau de mer pour dÃ©placer des particules micromÃ©triques. , 2013, , 10-15.	0.1	1
79	Electrostatic interaction of neutral semi-permeable membranes. Journal of Chemical Physics, 2012, 136, 034902.	1.2	11
80	Inhomogeneous shear flows in soft jammed materials with tunable attractive forces. Physical Review E, 2012, 85, 021503.	0.8	55
81	Dynamical Flow Arrest in Confined Gravity Driven Flows of Soft Jammed Particles. Physical Review Letters, 2012, 109, 036001.	2.9	30
82	Microscale Rheology of a Soft Glassy Material Close to Yielding. Physical Review Letters, 2012, 108, 148301.	2.9	67
83	Dynamic Clustering in Active Colloidal Suspensions with Chemical Signaling. Physical Review Letters, 2012, 108, 268303.	2.9	602
84	The anatomy of a crease, from folding to ironing. Soft Matter, 2012, 8, 3342.	1.2	15
85	Osmotic traps for colloids and macromolecules based on logarithmic sensing in salt taxis. Soft Matter, 2012, 8, 980-994.	1.2	79
86	A flux monitoring method for easy and accurate flow rate measurement in pressure-driven flows. Lab on A Chip, 2012, 12, 872.	3.1	3
87	Probability distributions for the run-and-tumble bacterial dynamics: An analogy to the Lorentz model. European Physical Journal E, 2012, 35, 84.	0.7	85
88	Large Apparent Electric Size of Solid-State Nanopores Due to Spatially Extended Surface Conduction. Nano Letters, 2012, 12, 4037-4044.	4.5	143
89	Ultralow Liquid/Solid Friction in Carbon Nanotubes: Comprehensive Theory for Alcohols, Alkanes, OMCTS, and Water. Langmuir, 2012, 28, 14261-14272.	1.6	110
90	Spontaneous formation of permanent shear bands in a mesoscopic model of flowing disordered matter. Soft Matter, 2012, 8, 4197.	1.2	97

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91	Soft matter principles of microfluidics. Soft Matter, 2012, 8, 10527.	1.2	10
92	Scaling laws for slippage on superhydrophobic fractal surfaces. Physics of Fluids, 2012, 24, .	1.6	31
93	Thermal Fluctuations in Nanofluidic Transport. Physical Review Letters, 2012, 109, 024501.	2.9	46
94	A kinetic elasto-plastic model exhibiting viscosity bifurcation in soft glassy materials. Soft Matter, 2011, 7, 5524.	1.2	40
95	A smooth future?. Nature Materials, 2011, 10, 334-337.	13.3	238
96	Connecting Diffusion and Dynamical Heterogeneities in Actively Deformed Amorphous Systems. Physical Review Letters, 2011, 106, 156001.	2.9	77
97	Theory and simulations of water flow through carbon nanotubes: prospects and pitfalls. Journal of Physics Condensed Matter, 2011, 23, 184110.	0.7	32
98	Sedimentation and Effective Temperature of Active Colloidal Suspensions. Physical Review Letters, 2010, 105, 088304.	2.9	424
99	Wetting Controls Separation of Inertial Flows from Solid Surfaces. Physical Review Letters, 2010, 104, 084503.	2.9	60
100	Electrokinetics at Aqueous Interfaces without Mobile Charges. Langmuir, 2010, 26, 12614-12625.	1.6	47
101	Molecular Origin of Fast Water Transport in Carbon Nanotube Membranes: Superlubricity versus Curvature Dependent Friction. Nano Letters, 2010, 10, 4067-4073.	4.5	666
102	Colloidal Motility and Pattern Formation under Rectified Diffusiophoresis. Physical Review Letters, 2010, 104, 138302.	2.9	148
103	Nanofluidics, from bulk to interfaces. Chemical Society Reviews, 2010, 39, 1073-1095.	18.7	1,121
104	Comment on â€œPumping of Confined Water in Carbon Nanotubes by Rotation-Translation Couplingâ€• Physical Review Letters, 2010, 105, 209401; author reply 209402.	2.9	31
105	How does a soft glassy material flow: finite size effects, non local rheology, and flow cooperativity. Soft Matter, 2010, 6, 2668.	1.2	93
106	Kinetic Theory of Plastic Flow in Soft Glassy Materials. Physical Review Letters, 2009, 103, 036001.	2.9	285
107	Electrohydraulic Power Conversion in Planar Nanochannels. Physical Review Letters, 2009, 103, 144503.	2.9	83
108	Osmotic manipulation of particles for microfluidic applications. New Journal of Physics, 2009, 11, 075022.	1.2	72

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109	Size Dependence of Tracer Diffusion in a Laponite Colloidal Gel. Langmuir, 2009, 25, 12048-12055.	1.6	20
110	Interfacial Water at Hydrophobic and Hydrophilic Surfaces: Slip, Viscosity, and Diffusion. Langmuir, 2009, 25, 10768-10781.	1.6	433
111	Spatial cooperativity in soft glassy flows. Nature, 2008, 454, 84-87.	13.7	344
112	Boosting migration of large particles by solute contrasts. Nature Materials, 2008, 7, 785-789.	13.3	236
113	Water Slippage versus Contact Angle: A Quasiuniversal Relationship. Physical Review Letters, 2008, 101, 226101.	2.9	383
114	Water at polar and nonpolar solid walls (Review). Biointerphases, 2008, 3, FC23-FC39.	0.6	93
115	Nanofluidics in the Debye Layer at Hydrophilic and Hydrophobic Surfaces. Physical Review Letters, 2008, 101, 114503.	2.9	186
116	Massive Amplification of Surface-Induced Transport at Superhydrophobic Surfaces. Physical Review Letters, 2008, 101, 064503.	2.9	74
117	Using surface force apparatus, diffusion and velocimetry to measure slip lengths. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 1455-1468.	1.6	19
118	Aqueous Electrolytes near Hydrophobic Surfaces:â€‰ Dynamic Effects of Ion Specificity and Hydrodynamic Slip. Langmuir, 2008, 24, 1442-1450.	1.6	118
119	Dynamics of Fakir Liquids: from Slip to Splash. Journal of Adhesion Science and Technology, 2008, 22, 335-351.	1.4	13
120	Tracer Diffusion in a Soft Glassy Material. AIP Conference Proceedings, 2008, , .	0.3	0
121	Nanohydrodynamique prÃ¨s dâ€™une surface solideÂ: caractÃ©risation expÃ©rimentale Ã lâ€™Ã©quilibre. Houille Blanche, 2008, 94, 83-90.	0.3	0
122	Ion-Specific Anomalous Electrokinetic Effects in Hydrophobic Nanochannels. Physical Review Letters, 2007, 98, 177801.	2.9	74
123	Flow boundary conditions from nano- to micro-scales. Soft Matter, 2007, 3, 685.	1.2	537
124	Achieving large slip with superhydrophobic surfaces: Scaling laws for generic geometries. Physics of Fluids, 2007, 19, .	1.6	394
125	Dynamics of transient cavities. Journal of Fluid Mechanics, 2007, 591, 1-19.	1.4	194
126	Tasting edge effects. American Journal of Physics, 2007, 75, 148-150.	0.3	12

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127	Making a splash with water repellency. Nature Physics, 2007, 3, 180-183.	6.5	335
128	Polymer and surface roughness effects on the drag crisis for falling spheres. European Physical Journal B, 2007, 60, 469-476.	0.6	19
129	Slippage of Water Past Superhydrophobic Carbon Nanotube Forests in Microchannels. Physical Review Letters, 2006, 97, 156104.	2.9	396
130	The mystery of the skipping stone. Physics World, 2006, 19, 29-31.	0.0	4
131	Probing the Nanohydrodynamics at Liquid-Solid Interfaces Using Thermal Motion. Physical Review Letters, 2006, 96, 046101.	2.9	139
132	Comment on â€œLarge Slip of Aqueous Liquid Flow over a Nanoengineered Superhydrophobic Surfaceâ€• Physical Review Letters, 2006, 97, 109601; discussion 109602.	2.9	42
133	Giant Amplification of Interfacially Driven Transport by Hydrodynamic Slip: Diffusio-Osmosis and Beyond. Physical Review Letters, 2006, 96, 186102.	2.9	197
134	Liquid friction on charged surfaces: From hydrodynamic slippage to electrokinetics. Journal of Chemical Physics, 2006, 125, 204716.	1.2	178
135	Effets Ã‰lectrocinÃ©tiques sur Surfaces Glissantes. Houille Blanche, 2006, 92, 53-58.	0.3	4
136	Electrostatic potential around charged finite rodlike macromolecules: nonlinear Poissonâ€“Boltzmann theory. Journal of Colloid and Interface Science, 2005, 285, 609-618.	5.0	22
137	Slow flows of yield stress fluids: Complex spatiotemporal behavior within a simple elastoplastic model. Physical Review E, 2005, 71, 010501.	0.8	147
138	Diffusion in pores and its dependence on boundary conditions. Journal of Physics Condensed Matter, 2005, 17, S4075-S4090.	0.7	28
139	Skipping stones. Journal of Fluid Mechanics, 2005, 543, 137.	1.4	65
140	Nucleation in Hydrophobic Cylindrical Pores: A Lattice Modelâ€. Journal of Physical Chemistry B, 2005, 109, 6520-6526.	1.2	21
141	Contact angle measurements on superhydrophobic carbon nanotube forests: Effect of fluid pressure. Europhysics Letters, 2005, 71, 104-109.	0.7	156
142	Intrusion and extrusion of water in hydrophobic mesopores. Journal of Chemical Physics, 2004, 120, 4927-4938.	1.2	165
143	A study of the static yield stress in a binary Lennard-Jones glass. Journal of Chemical Physics, 2004, 120, 2788-2801.	1.2	183
144	Interaction between charged anisotropic macromolecules: Application to rod-like polyelectrolytes. Journal of Chemical Physics, 2004, 120, 3969-3982.	1.2	30

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145	Stress fluctuations, static yield stress, and shear banding in a flowing Lennard-Jones glass. , 2004, 5469, 209.		0
146	Secrets of successful stone-skipping. Nature, 2004, 427, 29-29.	13.7	85
147	Where does a cohesive granular heap break?. European Physical Journal E, 2004, 14, 177-183.	0.7	25
148	The interplay between screening properties and colloid anisotropy: Towards a reliable pair potential for disc-like charged particles. European Physical Journal E, 2004, 15, 345-357.	0.7	44
149	Elastic consequences of a single plastic event: A step towards the microscopic modeling of the flow of yield stress fluids. European Physical Journal E, 2004, 15, 371-381.	0.7	174
150	Dynamics of simple liquids at heterogeneous surfaces: Molecular-dynamics simulations and hydrodynamic description. European Physical Journal E, 2004, 15, 427-438.	0.7	224
151	Intrusion and extrusion of water in highly hydrophobic mesoporous materials: effect of the pore texture. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 265-272.	2.3	54
152	Hydrodynamics within the Electric Double Layer on Slipping Surfaces. Physical Review Letters, 2004, 93, 257805.	2.9	256
153	Low-friction flows of liquid at nanopatterned interfaces. Nature Materials, 2003, 2, 237-240.	13.3	536
154	The physics of stone skipping. American Journal of Physics, 2003, 71, 150-155.	0.3	37
155	Alexander's Prescription for Colloidal Charge Renormalization. Langmuir, 2003, 19, 4027-4033.	1.6	124
156	Shear Localization in a Model Glass. Physical Review Letters, 2003, 90, 095702.	2.9	203
157	Effective charge versus bare charge: an analytical estimate for colloids in the infinite dilution limit. Journal of Physics A, 2003, 36, 5835-5840.	1.6	95
158	Analytical estimation of effective charges at saturation in PoissonÂBoltzmann cell models. Journal of Physics Condensed Matter, 2003, 15, S291-S296.	0.7	16
159	On the fluidâ€"fluid phase separation in charged-stabilized colloidal suspensions. Journal of Physics Condensed Matter, 2003, 15, S3523-S3536.	0.7	32
160	Simple Approach for Charge Renormalization in Highly Charged Macroions. Physical Review Letters, 2002, 89, 248301.	2.9	112
161	Hydrodynamic Model for a Dynamical Jammed-to-Flowing Transition in Gravity Driven Granular Media. Physical Review Letters, 2002, 89, 184301.	2.9	55
162	Effective charge saturation in colloidal suspensions. Journal of Chemical Physics, 2002, 117, 8138-8152.	1.2	133

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163	Effective interactions and phase behaviour for a model clay suspension in an electrolyte. Journal of Physics Condensed Matter, 2002, 14, 9339-9352.	0.7	49
164	Simple model for heterogeneous flows of yield stress fluids. Physical Review E, 2002, 66, 051501.	0.8	113
165	Slow kinetics of capillary condensation in confined geometry: experiment and theory. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 206, 69-77.	2.3	23
166	Physics of humid granular media. Comptes Rendus Physique, 2002, 3, 207-215.	0.3	64
167	Diffusion-controlled reactions: A revisit of Noyesâ€™ theory. Journal of Chemical Physics, 2001, 114, 6265-6275.	1.2	25
168	Granular shear flow dynamics and forces: Experiment and continuum theory. Physical Review E, 2001, 65, 011307.	0.8	204
169	Reduction of dimensionality in a diffusion search process and kinetics of gene expression. Physica A: Statistical Mechanics and Its Applications, 2000, 277, 71-82.	1.2	11
170	Influence of wetting properties on diffusion in a confined fluid. European Physical Journal Special Topics, 2000, 10, Pr7-27-Pr7-31.	0.2	9
171	Thermally activated dynamics of capillary condensation. Journal of Physics Condensed Matter, 2000, 12, A419-A424.	0.7	6
172	Metastability and Nucleation in Capillary Condensation. Physical Review Letters, 2000, 84, 2433-2436.	2.9	117
173	Particle Dynamics in Sheared Granular Matter. Physical Review Letters, 2000, 85, 1428-1431.	2.9	259
174	Dynamics of Colloidal Systems: Beyond the Stochastic Approach. , 2000, , 1-16.		1
175	Influence of wetting properties on hydrodynamic boundary conditions at a fluid/solid interface. Faraday Discussions, 1999, 112, 119-128.	1.6	243
176	Humidity effect on static aging of dry friction. Europhysics Letters, 1999, 47, 562-567.	0.7	32
177	Large Slip Effect at a Nonwetting Fluid-Solid Interface. Physical Review Letters, 1999, 82, 4671-4674.	2.9	710
178	Moisture-induced ageing in granular media and the kinetics of capillary condensation. Nature, 1998, 396, 735-737.	13.7	362
179	Humidity Effects and Aging Behavior in Granular Media. Materials Research Society Symposia Proceedings, 1998, 543, 363.	0.1	0
180	Experiments on Tracer Diffusion in Thin Free-Standing Liquid-Crystal Films. Physical Review Letters, 1997, 79, 4922-4925.	2.9	22

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181	High friction limit of the Kramers equation: The multiple time-scale approach. American Journal of Physics, 1997, 65, 140-144.	0.3	60
182	Friction tensor for a pair of Brownian particles: Spurious finite-size effects and molecular dynamics estimates. Journal of Statistical Physics, 1997, 89, 321-346.	0.5	19
183	Microscopic derivation of non-Markovian thermalization of a Brownian particle. Journal of Statistical Physics, 1997, 87, 1005-1035.	0.5	21
184	Phenomenological Study of Hysteresis in Quasistatic Friction. Journal De Physique, I, 1997, 7, 1603-1625.	1.2	8
185	Hydrodynamic properties of confined fluids. Journal of Physics Condensed Matter, 1996, 8, 9297-9300.	0.7	27
186	Multiple time scale derivation of the Fokker-Planck equation for two Brownian spheres suspended in a hard sphere fluid. Physica A: Statistical Mechanics and Its Applications, 1995, 218, 125-144.	1.2	34
187	Diffusive Motion in Confined Fluids: Mode-Coupling Results and Molecular-Dynamics Calculations. Europhysics Letters, 1995, 31, 455-460.	0.7	24
188	Blocking of metastable phase formation by an external field. Physical Review E, 1994, 49, 1883-1887.	0.8	4
189	On the Brownian motion of a massive sphere suspended in a hard-sphere fluid. I. Multiple-time-scale analysis and microscopic expression for the friction coefficient. Journal of Statistical Physics, 1994, 76, 505-526.	0.5	34
190	On the Brownian motion of a massive sphere suspended in a hard-sphere fluid. II. Molecular dynamics estimates of the friction coefficient. Journal of Statistical Physics, 1994, 76, 527-548.	0.5	35
191	A kinetic model for Brownian motion. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1994, 16, 981-991.	0.4	3
192	Hydrodynamic boundary conditions, correlation functions, and Kubo relations for confined fluids. Physical Review E, 1994, 49, 3079-3092.	0.8	291
193	Hydrodynamic boundary conditions and correlation functions of confined fluids. Physical Review Letters, 1993, 70, 2726-2729.	2.9	86
194	Amorphization of a substitutional binary alloy: a computer 'experiment'. Journal of Physics Condensed Matter, 1992, 4, 2375-2387.	0.7	21
195	Dynamics Of Fakir Liquids: From Slip To Splash. , 0, , 73-90.		0