Felix HÃ¶fling

List of Publications by Year
in descending order

43 papers	2,259 citations	279798 23 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	1940 citing authors

#	Article	IF	Citations
1	Spontaneous trail formation in populations of auto-chemotactic walkers. New Journal of Physics, 2022, 24, 013012.	2.9	3
2	A probabilistic framework for particle-based reaction–diffusion dynamics using classical Fock space representations. Letters in Mathematical Physics, 2022, 112, .	1.1	7
3	Continuous Demixing Transition of Binary Liquids: Finite‐Size Scaling from the Analysis of Sub‐Systems. Advanced Theory and Simulations, 2021, 4, 2000235.	2.8	2
4	Thermodynamic Relations at the Coupling Boundary in Adaptive Resolution Simulations for Open Systems. Advanced Theory and Simulations, 2021, 4, 2000303.	2.8	12
5	Generalized master equation for first-passage problems in partitioned spaces. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 215601.	2.1	3
6	Nonequilibrium Induced by Reservoirs: Physico‐Mathematical Models and Numerical Tests. Advanced Theory and Simulations, 2021, 4, 2100071.	2.8	7
7	Stochastic pH Oscillations in a Model of the Urea–Urease Reaction Confined to Lipid Vesicles. Journal of Physical Chemistry Letters, 2021, 12, 9888-9893.	4.6	7
8	Rapid onset of molecular friction in liquids bridging between the atomistic and hydrodynamic pictures. Communications Physics, 2020, 3, .	5.3	29
9	Theory and simulation of open systems out of equilibrium. Journal of Chemical Physics, 2020, 153, 101102.	3.0	16
10	Finite-size corrections for the static structure factor of a liquid slab with open boundaries. Journal of Chemical Physics, 2020, 153, 054119.	3.0	9
11	Diffusion-influenced reaction rates in the presence of pair interactions. Journal of Chemical Physics, 2019, 151, 164105.	3.0	14
12	Molecular Dynamics of Open Systems: Construction of a Mean‐Field Particle Reservoir. Advanced Theory and Simulations, 2019, 2, 1900014.	2.8	27
13	Dynamically crowded solutions of infinitely thin Brownian needles. Physical Review E, 2017, 96, 012118.	2.1	10
14	Active colloidal propulsion over a crystalline surface. New Journal of Physics, 2017, 19, 125010.	2.9	29
15	Characterizing anomalous diffusion in crowded polymer solutions and gels over five decades in time with variable-lengthscale fluorescence correlation spectroscopy. Soft Matter, 2016, 12, 4190-4203.	2.7	53
16	Structure and dynamics of binary liquid mixtures near their continuous demixing transitions. Journal of Chemical Physics, 2016, 145, 134505.	3.0	27
17	Tube Concept for Entangled Stiff Fibers Predicts Their Dynamics in Space and Time. Physical Review Letters, 2016, 117, 097801.	7.8	11
18	Splitting of the Universality Class of Anomalous Transport in Crowded Media. Physical Review Letters, 2016, 116, 060601.	7.8	39

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19	Anomalous Magnetotransport in Disordered Structures: Classical Edge-State Percolation. Physical Review Letters, 2015, 115, 240602.	7.8	23
20	Enhanced wavelength-dependent surface tension of liquid-vapour interfaces. Europhysics Letters, 2015, 109, 46002.	2.0	41
21	Rounding of the localization transition in model porous media. Soft Matter, 2015, 11, 701-711.	2.7	34
22	H5MD: A structured, efficient, and portable file format for molecular data. Computer Physics Communications, 2014, 185, 1546-1553.	7.5	34
23	Dynamic arrest in model porous media—intermediate scattering functions. Soft Matter, 2013, 9, 1604-1611.	2.7	18
24	Anomalous transport in the crowded world of biological cells. Reports on Progress in Physics, 2013, 76, 046602.	20.1	976
25	GPU-accelerated simulation of colloidal suspensions with direct hydrodynamic interactions. European Physical Journal: Special Topics, 2012, 210, 101-117.	2.6	6
26	Anomalous transport resolved in space and time by fluorescence correlation spectroscopy. Soft Matter, 2011, 7, 1358-1363.	2.7	39
27	Long-wavelength anomalies in the asymptotic behavior of mode-coupling theory. Journal of Physics Condensed Matter, 2011, 23, 234121.	1.8	17
28	Anomalous transport of a tracer on percolating clusters. Journal of Physics Condensed Matter, 2011, 23, 234120.	1.8	19
29	Space-resolved dynamics of a tracer in a disordered solid. Journal of Non-Crystalline Solids, 2011, 357, 472-478.	3.1	13
30	Highly accelerated simulations of glassy dynamics using GPUs: Caveats on limited floating-point precision. Computer Physics Communications, 2011, 182, 1120-1129.	7.5	60
31	The localization transition of the two-dimensional Lorentz model. European Physical Journal: Special Topics, 2010, 189, 103-118.	2.6	55
32	Localization phenomena in models of ion-conducting glass formers. European Physical Journal: Special Topics, 2010, 189, 141-145.	2.6	8
33	Persistent memory for a Brownian walker in a random array of obstacles. Chemical Physics, 2010, 375, 540-547.	1.9	31
34	Development of anomalous diffusion among crowding proteins. Soft Matter, 2010, 6, 2648.	2.7	86
35	Effective Perrin theory for the anisotropic diffusion of a strongly hindered rod. Europhysics Letters, 2009, 85, 30003.	2.0	31
36	Critical dynamics of ballistic and Brownian particles in a heterogeneous environment. Journal of Chemical Physics, 2008, 128, 164517.	3.0	65

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37	Cluster-resolved dynamic scaling theory and universal corrections for transport on percolating systems. Europhysics Letters, 2008, 84, 66002.	2.0	40
38	Enhanced Diffusion of a Needle in a Planar Array of Point Obstacles. Physical Review Letters, 2008, 101, 120605.	7.8	33
39	Entangled dynamics of a stiff polymer. Physical Review E, 2008, 77, 060904.	2.1	28
40	Crossover in the Slow Decay of Dynamic Correlations in the Lorentz Model. Physical Review Letters, 2007, 98, 140601.	7.8	64
41	Localization Transition of the Three-Dimensional Lorentz Model and Continuum Percolation. Physical Review Letters, 2006, 96, 165901.	7.8	147
42	Magnetic susceptibilities of diluted magnetic semiconductors and anomalous Hall-voltage noise. Physical Review B, 2004, 69, .	3.2	6
43	Phase transition and critical behavior of the $d=3$ Gross-Neveu model. Physical Review B, 2002, 66, .	3.2	80