Paul Bartlett

List of Publications by Year
in descending order

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66 papers	3,523 citations	159585 30 h-index	133252 59 g-index
67 all docs	67 docs citations	67 times ranked	2863 citing authors

#	Article	IF	Citations
1	Electrostatic interactions of poly (methyl methacrylate) colloids: deposition patterns of evaporating non-aqueous colloidal droplets. Colloid and Polymer Science, 2021, 299, 49-61.	2.1	0
2	Unexpected observation of an intermediate hexagonal phase upon fluid-to-gel transition: SDS self-assembly in glycerol. Colloids and Interface Science Communications, 2021, 40, 100342.	4.1	4
3	Fracto-eutectogels: SDS fractal dendrites via counterion condensation in a deep eutectic solvent. Physical Chemistry Chemical Physics, 2021, 23, 11672-11683.	2.8	6
4	The curious case of SDS self-assembly in glycerol: Formation of a lamellar gel. Journal of Colloid and Interface Science, 2020, 572, 384-395.	9.4	10
5	Interaction between nearly hard colloidal spheres at an oil-water interface. Physical Review Research, 2020, 2, .	3.6	8
6	Droplet evaporation: Colloidal interactions vs. evaporation kinetics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123555.	4.7	2
7	Charge regulation of nonpolar colloids. Soft Matter, 2018, 14, 331-343.	2.7	14
8	Failure of Debye-HÃ¼ckel Screening in Low-Charge Colloidal Suspensions. Colloids and Interfaces, 2018, 2, 51.	2.1	15
9	Composition inversion in mixtures of binary colloids and polymer. Journal of Chemical Physics, 2018, 148, 184902.	3.0	9
10	Electrolyte-induced Instability of Colloidal Dispersions in Nonpolar Solvents. Journal of Physical Chemistry Letters, 2017, 8, 4668-4672.	4.6	13
11	X-ray reflectivity reveals ionic structure at liquid crystalâ€“aqueous interfaces. Soft Matter, 2017, 13, 5535-5542.	2.7	6
12	Non-additivity of pair interactions in charged colloids. Journal of Chemical Physics, 2016, 145, 034905.	3.0	18
13	The internal structure of poly(methyl methacrylate) latexes in nonpolar solvents. Journal of Colloid and Interface Science, 2016, 479, 234-243.	9.4	5
14	Transmission of torque at the nanoscale. Nature Physics, 2016, 12, 98-103.	16.7	25
15	Flexible confinement leads to multiple relaxation regimes in glassy colloidal liquids. Journal of Chemical Physics, 2015, 142, 024505.	3.0	14
16	3D printed glass: surface finish and bulk properties as a function of the printing process. , 2015, , .		0
17	A small-angle X-ray scattering study of nanoparticle assembly in an aligned nematic liquid crystal. Liquid Crystals, 2014, 41, 1791-1802.	2.2	4
18	The effect of boundary adaptivity on hexagonal ordering and bistability in circularly confined quasi hard discs. Journal of Chemical Physics, 2014, 140, 104907.	3.0	15

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19	Counterion condensation on spheres in the salt-free limit. Soft Matter, 2014, 10, 566-577.	2.7	46
20	Gels under stress: The origins of delayed collapse. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 458, 126-133.	4.7	23
21	Charge Generation in Low-Polarity Solvents: Poly(ionic liquid)-Functionalized Particles. Langmuir, 2013, 29, 4204-4213.	3.5	25
22	Direct measurement of osmotic pressure via adaptive confinement of quasi hard disc colloids. Nature Communications, 2013, 4, 2555.	12.8	27
23	Phase separation dynamics in colloidâ€“polymer mixtures: the effect of interaction range. Soft Matter, 2013, 9, 2076.	2.7	62
24	Sudden collapse of a colloidal gel. Physical Review E, 2012, 85, 021404.	2.1	60
25	Synthesis of charged particles in an ultra-low dielectric solvent. Soft Matter, 2011, 7, 887.	2.7	24
26	Ageing and collapse in gels with long-range attractions. Soft Matter, 2011, 7, 1341-1351.	2.7	68
27	Nanoparticle Charge Control in Nonpolar Liquids: Insights from Small-Angle Neutron Scattering and Microelectrophoresis. Langmuir, 2010, 26, 6967-6976.	3.5	56
28	Colloids, grains and dense suspensions: under flow and under arrest. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4989-4991.	3.4	3
29	Electrostatic Charging of Nonpolar Colloids by Reverse Micelles. Langmuir, 2008, 24, 6530-6541.	3.5	130
30	Characterization of microparticles with driven optical tweezers. Faraday Discussions, 2008, 137, 319-333.	3.2	20
31	Direct measurement of the effective charge in nonpolar suspensions by optical tracking of single particles. Journal of Chemical Physics, 2007, 126, 194503.	3.0	69
32	Measurement of Effective Temperatures in an Aging Colloidal Glass. Physical Review Letters, 2006, 97, 265702.	7.8	47
33	Equilibrium cluster formation and gelation. Journal of Physics Condensed Matter, 2005, 17, S3551-S3556.	1.8	35
34	Three-Dimensional Binary Superlattices of Oppositely Charged Colloids. Physical Review Letters, 2005, 95, 128302.	7.8	162
35	Dynamical Arrest in Attractive Colloids: The Effect of Long-Range Repulsion. Physical Review Letters, 2005, 94, 208301.	7.8	350
36	One- and two-point micro-rheology of viscoelastic media. Journal of Physics Condensed Matter, 2003, 15, S251-S256.	1.8	34

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37	Colloidal dynamics in polymer solutions: Optical two-point microrheology measurements. Faraday Discussions, 2003, 123, 323-334.	3.2	51
38	Propagation of Hydrodynamic Interactions in Colloidal Suspensions. Physical Review Letters, 2002, 88, 088302.	7.8	40
39	Three-dimensional force calibration of a single-beam optical gradient trap. Journal of Physics Condensed Matter, 2002, 14, 7757-7768.	1.8	19
40	Fluorescent Hard-Sphere Polymer Colloids for Confocal Microscopy. Journal of Colloid and Interface Science, 2002, 256, 325-330.	9.4	64
41	Synthesis of non-aqueous fluorescent hard-sphere polymer colloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 211, 127-132.	4.7	36
42	Position correlation microscopy: probing single particle dynamics in colloidal suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 190, 81-88.	4.7	13
43	Measurement of the hydrodynamic forces between two polymerâ€“coated spheres. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 883-895.	3.4	39
44	Direct measurements of colloidal friction coefficients. Physical Review E, 2001, 64, 061403.	2.1	41
45	Freezing in polydisperse colloidal suspensions. Journal of Physics Condensed Matter, 2000, 12, A275-A280.	1.8	24
46	Superlattice formation in mixtures of hard-sphere colloids. Physical Review E, 2000, 62, 900-913.	2.1	115
47	Reentrant Melting in Polydispersed Hard Spheres. Physical Review Letters, 1999, 82, 1979-1982.	7.8	80
48	Thermodynamic properties of polydisperse hard spheres. Molecular Physics, 1999, 97, 685-693.	1.7	22
49	Fractionated crystallization in a polydisperse mixture of hard spheres. Journal of Chemical Physics, 1998, 109, 10970-10975.	3.0	43
50	Soft matter in the real world. Physics World, 1998, 11, 23-24.	0.0	1
51	A geometrically-based mean-field theory of polydisperse hard-sphere mixtures. Journal of Chemical Physics, 1997, 107, 188-196.	3.0	46
52	Binary hard-sphere mixtures: a comparison between computer simulation and experiment. Molecular Physics, 1995, 84, 395-420.	1.7	78
53	Phase behaviour and structure of colloidal suspensions. Journal of Physics Condensed Matter, 1994, 6, A29-A36.	1.8	70
54	Gravitational effects on the phase behaviour of dispersions. Advances in Colloid and Interface Science, 1994, 50, 39-50.	14.7	6

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55	Freezing of binary mixtures of hard-sphere colloids. Physica A: Statistical Mechanics and Its Applications, 1993, 194, 415-423.	2.6	36
56	A neutron scattering study of the structure of a bimodal colloidal crystal. Journal of Chemical Physics, 1992, 96, 3306-3318.	3.0	181
57	Superlattice formation in binary mixtures of hard-sphere colloids. Physical Review Letters, 1992, 68, 3801-3804.	7.8	343
58	Geometric interactions in binary colloidal dispersions. Langmuir, 1992, 8, 1919-1925.	3.5	22
59	Colloidal crystallization under time-averaged zero gravity. Langmuir, 1991, 7, 213-215.	3.5	16
60	Colloidal fluids, crystals and glasses. Physica A: Statistical Mechanics and Its Applications, 1991, 176, 16-27.	2.6	15
61	A model for the freezing of binary colloidal hard spheres. Journal of Physics Condensed Matter, 1990, 2, 4979-4989.	1.8	50
62	Freezing of binary mixtures of colloidal hard spheres. Journal of Chemical Physics, 1990, 93, 1299-1312.	3.0	167
63	Phase behavior of dispersions of hard spherical particles. Phase Transitions, 1990, 21, 207-227.	1.3	17
64	The rotational-vibrational spectrum of symmetric non-rigid triatomics in hyperspherical coordinates: the H+ 3 molecule. Molecular Physics, 1990, 70, 1001-1029.	1.7	26
65	Structure of crystals of hard colloidal spheres. Physical Review Letters, 1989, 63, 2753-2756.	7.8	453
66	Optical Manipulation. , 0, , 255-265.		0