

Sven Holger Behrens

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

3,664
citations

30
h-index

58
g-index

58
ext. papers

3,931
ext. citations

5.2
avg, IF

5.47
L-index

#	Paper	IF	Citations
55	Modeling Amyloid Aggregation Kinetics: A Case Study with Sup35NM. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 4955-4963	3.4	1
54	Structure-Property Relationship in Capillary Foams. <i>Langmuir</i> , 2021 , 37, 10510-10520	4	0
53	Rheology of capillary foams. <i>Soft Matter</i> , 2020 , 16, 6725-6732	3.6	6
52	The Geode Process: Hollow Silica Microcapsules as a High Surface Area Substrate for Semiconductor Nanowire Growth. <i>ACS Applied Nano Materials</i> , 2020 , 3, 905-913	5.6	1
51	Oil-coated bubbles in particle suspensions, capillary foams, and related opportunities in colloidal multiphase systems. <i>Current Opinion in Colloid and Interface Science</i> , 2020 , 50, 101384	7.6	6
50	Modulation of the Formation of A β and Sup35NM-Based Amyloids by Complex Interplay of Specific and Nonspecific Ion Effects. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 4972-4981	3.4	6
49	The dynamics of rising oil-coated bubbles: experiments and simulations. <i>Soft Matter</i> , 2018 , 14, 2724-2734	3.6	10
48	Interfaces Charged by a Nonionic Surfactant. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 6101-6106	3.4	6
47	Interfacial Activity of Nonamphiphilic Particles in Fluid-Fluid Interfaces. <i>Langmuir</i> , 2017 , 33, 4511-4519	4	36
46	Process Principles for Large-Scale Nanomanufacturing. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2017 , 8, 201-226	8.9	8
45	Capillary Foams: Formation Stages and Effects of System Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9533-9540	3.9	9
44	Bubble Meets Droplet: Particle-Assisted Reconfiguration of Wetting Morphologies in Colloidal Multiphase Systems. <i>Small</i> , 2016 , 12, 3309-19	11	17
43	Contributions of the Prion Protein Sequence, Strain, and Environment to the Species Barrier. <i>Journal of Biological Chemistry</i> , 2016 , 291, 1277-88	5.4	17
42	Janus Particles in a Nonpolar Solvent. <i>Langmuir</i> , 2016 , 32, 3095-9	4	12
41	Charge Regulation in the Electrical Double Layer: Ion Adsorption and Surface Interactions. <i>Langmuir</i> , 2016 , 32, 380-400	4	187
40	Charging Mechanism for Polymer Particles in Nonpolar Surfactant Solutions: Influence of Polymer Type and Surface Functionality. <i>Langmuir</i> , 2016 , 32, 4827-36	4	18
39	Characterizing the acid/base behavior of oil-soluble surfactants at the interface of nonpolar solvents with a polar phase. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6628-37	3.4	10

38	Mechanisms of Particle Charging by Surfactants in Nonpolar Dispersions. <i>Langmuir</i> , 2015 , 31, 11989-99	4	29
37	Capillary foams: stabilization and functionalization of porous liquids and solids. <i>Langmuir</i> , 2015 , 31, 2669-76	4	29
36	Stabilization of Liquid Foams through the Synergistic Action of Particles and an Immiscible Liquid. <i>Angewandte Chemie</i> , 2014 , 126, 13603-13607	3.6	14
35	Gauging colloidal and thermal stability in human IgG1-sugar solutions through diffusivity measurements. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 2803-9	3.4	16
34	Stabilization of liquid foams through the synergistic action of particles and an immiscible liquid. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13385-9	16.4	16
33	Surfactant mediated charging of polymer particles in a nonpolar liquid. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 83-89	9.3	32
32	A generalized approach for measuring microcapsule permeability with Fluorescence Recovery After Photobleaching. <i>Journal of Materials Science</i> , 2013 , 48, 2215-2223	4.3	1
31	Salt-induced aggregation of a monoclonal human immunoglobulin G1. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 377-86	3.9	25
30	Ion-specific effects on prion nucleation and strain formation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30300-30308	5.4	20
29	Image Charge Effects on the Formation of Pickering Emulsions. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2986-90	6.4	101
28	Influence of nanoscale particle roughness on the stability of Pickering emulsions. <i>Langmuir</i> , 2012 , 28, 12038-43	4	93
27	Permeability control in stimulus-responsive colloidosomes. <i>Soft Matter</i> , 2011 , 7, 1948-1956	3.6	39
26	The cellulose-binding domain of cellobiohydrolase Cel7A from <i>Trichoderma reesei</i> is also a thermostabilizing domain. <i>Journal of Biotechnology</i> , 2011 , 155, 370-6	3.7	31
25	Particle charging and charge screening in nonpolar dispersions with nonionic surfactants. <i>Langmuir</i> , 2010 , 26, 16941-8	4	87
24	Electric charging in nonpolar liquids because of nonionizable surfactants. <i>Langmuir</i> , 2010 , 26, 3203-7	4	83
23	Correlating aggregation kinetics and stationary diffusion in protein-sodium salt systems observed with dynamic light scattering. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4383-7	3.4	30
22	Smart colloidosomes with a dissolution trigger. <i>Soft Matter</i> , 2010 , 6, 3163	3.6	61
21	Interaction and structure of surfaces coated by poly(vinyl amines) of different line charge densities. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14609-19	3.4	34

20	Electrostatic double layer forces in the case of extreme charge regulation. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10795-9	3.4	39
19	Electrostatic interactions modulate the conformation of collagen I. <i>Biophysical Journal</i> , 2007 , 92, 2108-12	9.9	93
18	Charging and swelling of cellulose films. <i>Journal of Colloid and Interface Science</i> , 2007 , 309, 360-5	9.3	30
17	Environmental Responsiveness of Microgel Particles and Particle-Stabilized Emulsions. <i>Macromolecules</i> , 2006 , 39, 8171-8177	5.5	191
16	Interaction forces and molecular adhesion between pre-adsorbed poly(ethylene imine) layers. <i>Journal of Colloid and Interface Science</i> , 2006 , 296, 496-506	9.3	36
15	Novel emulsions stabilized by pH and temperature sensitive microgels. <i>Chemical Communications</i> , 2005 , 331-3	5.8	290
14	Covalent immobilization of cellulose layers onto maleic anhydride copolymer thin films. <i>Biomacromolecules</i> , 2005 , 6, 1628-34	6.9	53
13	Interaction between Charged Surfaces on the Poisson-Boltzmann Level: The Constant Regulation Approximation. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 19467-19475	3.4	86
12	Imaging the Coil-to-Globule Conformational Transition of a Weak Polyelectrolyte by Tuning the Polyelectrolyte Charge Density. <i>Nano Letters</i> , 2004 , 4, 149-152	11.5	117
11	The charge of glass and silica surfaces. <i>Journal of Chemical Physics</i> , 2001 , 115, 6716-6721	3.9	670
10	Predicting the wettability of quartz surfaces exposed to dense nonaqueous phase liquids. <i>Environmental Science & Technology</i> , 2001 , 35, 2207-13	10.3	45
9	Pair interaction of charged colloidal spheres near a charged wall. <i>Physical Review E</i> , 2001 , 64, 050401	2.4	111
8	Interactions in Colloidal Suspensions 2001 , 87-116		4
7	Influence of the Secondary Interaction Energy Minimum on the Early Stages of Colloidal Aggregation. <i>Journal of Colloid and Interface Science</i> , 2000 , 225, 460-465	9.3	26
6	Charging and Aggregation Properties of Carboxyl Latex Particles: Experiments versus DLVO Theory. <i>Langmuir</i> , 2000 , 16, 2566-2575	4	249
5	Observation of the Mobility Maximum Predicted by the Standard Electrokinetic Model for Highly Charged Amidine Latex Particles. <i>Langmuir</i> , 2000 , 16, 5209-5212	4	50
4	Exact Poisson-Boltzmann solution for the interaction of dissimilar charge-regulating surfaces. <i>Physical Review E</i> , 1999 , 60, 7040-8	2.4	110
3	Electrostatic Interaction of Colloidal Surfaces with Variable Charge. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 2918-2928	3.4	135

- 2 Electric double layer interaction of ionizable surfaces: Charge regulation for arbitrary potentials. *Journal of Chemical Physics*, **1999**, 111, 382-385 3.9 48
- 1 Absolute Aggregation Rate Constants of Hematite Particles in Aqueous Suspensions: A Comparison of Two Different Surface Morphologies. *Journal of Colloid and Interface Science*, **1997**, 196, 241-253 9.3 187