

# Krasimir Danov

## List of Publications by Year in descending order

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157  
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citing authors

| #  | ARTICLE                                                                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Thermodynamics of Ionic Surfactant Adsorption with Account for the Counterion Binding: Effect of Salts of Various Valency. <i>Langmuir</i> , 1999, 15, 2351-2365.                                              | 1.6 | 222       |
| 2  | Interactions between particles with an undulated contact line at a fluid interface: Capillary multipoles of arbitrary order. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 121-134.             | 5.0 | 173       |
| 3  | Mixed Solutions of Anionic and Zwitterionic Surfactant (Betaine): Surface-Tension Isotherms, Adsorption, and Relaxation Kinetics. <i>Langmuir</i> , 2004, 20, 5445-5453.                                       | 1.6 | 148       |
| 4  | Flocculation and coalescence of micron-size emulsion droplets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 152, 161-182.                                                   | 2.3 | 133       |
| 5  | Experimental and theoretical investigations on interfacial temperature jumps during evaporation. <i>Experimental Thermal and Fluid Science</i> , 2007, 32, 276-292.                                            | 1.5 | 128       |
| 6  | Capillary forces between particles at a liquid interface: General theoretical approach and interactions between capillary multipoles. <i>Advances in Colloid and Interface Science</i> , 2010, 154, 91-103.    | 7.0 | 128       |
| 7  | Particles with an Undulated Contact Line at a Fluid Interface: Interaction between Capillary Quadrupoles and Rheology of Particulate Monolayers. <i>Langmuir</i> , 2001, 17, 7694-7705.                        | 1.6 | 126       |
| 8  | Influence of the Surface Viscosity on the Hydrodynamic Resistance and Surface Diffusivity of a Large Brownian Particle. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 36-45.                    | 5.0 | 114       |
| 9  | Super stable foams stabilized by colloidal ethyl cellulose particles. <i>Soft Matter</i> , 2012, 8, 2194-2205.                                                                                                 | 1.2 | 112       |
| 10 | Determination of the aggregation number and charge of ionic surfactant micelles from the stepwise thinning of foam films. <i>Advances in Colloid and Interface Science</i> , 2012, 183-184, 55-67.             | 7.0 | 105       |
| 11 | Electrodipping Force Acting on Solid Particles at a Fluid Interface. <i>Langmuir</i> , 2004, 20, 6139-6151.                                                                                                    | 1.6 | 98        |
| 12 | Capillary mechanisms in membrane emulsification: oil-in-water emulsions stabilized by Tween 20 and milk proteins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 209, 83-104. | 2.3 | 94        |
| 13 | Remarkably high surface visco-elasticity of adsorption layers of triterpenoid saponins. <i>Soft Matter</i> , 2013, 9, 5738.                                                                                    | 1.2 | 94        |
| 14 | Effect of Surfactants on the Film Drainage. <i>Journal of Colloid and Interface Science</i> , 1999, 211, 291-303.                                                                                              | 5.0 | 93        |
| 15 | The formation of satellite droplets by unstable binary drop collisions. <i>Physics of Fluids</i> , 2001, 13, 2463-2477.                                                                                        | 1.6 | 93        |
| 16 | Comparison of the van der Waals and Frumkin Adsorption Isotherms for Sodium Dodecyl Sulfate at Various Salt Concentrations. <i>Langmuir</i> , 2002, 18, 9106-9109.                                             | 1.6 | 89        |
| 17 | Interfacial rheology of adsorbed layers with surface reaction: On the origin of the dilatational surface viscosity. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 61-92.                   | 7.0 | 89        |
| 18 | Falling ball viscosimetry of giant vesicle membranes: Finite-size effects. <i>European Physical Journal B</i> , 1999, 12, 589-598.                                                                             | 0.6 | 87        |

| #  | ARTICLE                                                                                                                                                                                                 | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Measurement of the Drag Coefficient of Spherical Particles Attached to Fluid Interfaces. <i>Journal of Colloid and Interface Science</i> , 1995, 172, 147-154.                                          | 5.0 | 83        |
| 20 | Effect of Nonionic Admixtures on the Adsorption of Ionic Surfactants at Fluid Interfaces. 1. Sodium Dodecyl Sulfate and Dodecanol. <i>Langmuir</i> , 2003, 19, 5004-5018.                               | 1.6 | 83        |
| 21 | Viscous drag of a solid sphere straddling a spherical or flat surface. <i>Physics of Fluids</i> , 2000, 12, 2711.                                                                                       | 1.6 | 80        |
| 22 | Micelle monomer equilibria in solutions of ionic surfactants and in ionic nonionic mixtures: A generalized phase separation model. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 17-45. | 7.0 | 79        |
| 23 | Stability of draining plane-parallel films containing surfactants. <i>Advances in Colloid and Interface Science</i> , 2002, 96, 101-129.                                                                | 7.0 | 78        |
| 24 | Unique Properties of Bubbles and Foam Films Stabilized by HFBII Hydrophobin. <i>Langmuir</i> , 2011, 27, 2382-2392.                                                                                     | 1.6 | 78        |
| 25 | Coalescence dynamics of deformable Brownian emulsion droplets. <i>Langmuir</i> , 1993, 9, 1731-1740.                                                                                                    | 1.6 | 76        |
| 26 | Pair interaction energy between deformable drops and bubbles. <i>Journal of Chemical Physics</i> , 1993, 99, 7179-7189.                                                                                 | 1.2 | 75        |
| 27 | Evaluation of the Precision of Drop-Size Determination in Oil/Water Emulsions by Low-Resolution NMR Spectroscopy. <i>Langmuir</i> , 2004, 20, 11402-11413.                                              | 1.6 | 74        |
| 28 | Interfacial layers from the protein HFBII hydrophobin: Dynamic surface tension, dilatational elasticity and relaxation times. <i>Journal of Colloid and Interface Science</i> , 2012, 376, 296-306.     | 5.0 | 72        |
| 29 | Growth of wormlike micelles in nonionic surfactant solutions: Quantitative theory vs. experiment. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 1-22.                                   | 7.0 | 72        |
| 30 | Precise Method for Measuring the Shear Surface Viscosity of Surfactant Monolayers. <i>Langmuir</i> , 1996, 12, 2650-2653.                                                                               | 1.6 | 71        |
| 31 | Stability of evaporating two-layered liquid film in the presence of surfactant. I. The equations of lubrication approximation. <i>Chemical Engineering Science</i> , 1998, 53, 2809-2822.               | 1.9 | 71        |
| 32 | The colloid structural forces as a tool for particle characterization and control of dispersion stability. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5183.                                  | 1.3 | 71        |
| 33 | Spontaneous detachment of oil drops from solid substrates: governing factors. <i>Journal of Colloid and Interface Science</i> , 2003, 257, 357-363.                                                     | 5.0 | 70        |
| 34 | Maximum Bubble Pressure Method: A Universal Surface Age and Transport Mechanisms in Surfactant Solutions. <i>Langmuir</i> , 2006, 22, 7528-7542.                                                        | 1.6 | 69        |
| 35 | Detection of the Hydrophobic Surface Force in Foam Films by Measurements of the Critical Thickness of the Film Rupture. <i>Langmuir</i> , 2004, 20, 1799-1806.                                          | 1.6 | 68        |
| 36 | Growth of Giant Rodlike Micelles of Ionic Surfactant in the Presence of Al <sup>3+</sup> Counterions. <i>Langmuir</i> , 1998, 14, 4036-4049.                                                            | 1.6 | 67        |

| #  | ARTICLE                                                                                                                                                                                                     | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Instrument and methods for surface dilatational rheology measurements. <i>Review of Scientific Instruments</i> , 2008, 79, 104102.                                                                          | 0.6 | 67        |
| 38 | Surface properties of adsorption layers formed from triterpenoid and steroid saponins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 491, 18-28.                          | 2.3 | 65        |
| 39 | Flocculation of Deformable Emulsion Droplets. <i>Journal of Colloid and Interface Science</i> , 1995, 176, 189-200.                                                                                         | 5.0 | 60        |
| 40 | Sphere-to-Rod Transition in the Shape of Anionic Surfactant Micelles Determined by Surface Tension Measurements. <i>Langmuir</i> , 1997, 13, 5544-5551.                                                     | 1.6 | 60        |
| 41 | Solubility limits and phase diagrams for fatty acids in anionic (SLES) and zwitterionic (CAPB) micellar surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 274-286.         | 5.0 | 57        |
| 42 | The standard free energy of surfactant adsorption at air/water and oil/water interfaces: Theoretical vs. empirical approaches. <i>Colloid Journal</i> , 2012, 74, 172-185.                                  | 0.5 | 57        |
| 43 | The role of the hydrophobic phase in the unique rheological properties of saponin adsorption layers. <i>Soft Matter</i> , 2014, 10, 7034-7044.                                                              | 1.2 | 57        |
| 44 | Effect of the Precipitation of Neutral-Soap, Acid-Soap, and Alkanoic Acid Crystallites on the Bulk pH and Surface Tension of Soap Solutions. <i>Langmuir</i> , 2007, 23, 3538-3553.                         | 1.6 | 54        |
| 45 | Oscillatory Structural Forces Due to Nonionic Surfactant Micelles: Data by Colloidal Probe AFM vs Theory. <i>Langmuir</i> , 2010, 26, 915-923.                                                              | 1.6 | 54        |
| 46 | Particle-Interface Interaction across a Nonpolar Medium in Relation to the Production of Particle-Stabilized Emulsions. <i>Langmuir</i> , 2006, 22, 106-115.                                                | 1.6 | 52        |
| 47 | Capillary Forces between Colloidal Particles Confined in a Liquid Film: The Finite-Meniscus Problem. <i>Langmuir</i> , 2001, 17, 6599-6609.                                                                 | 1.6 | 51        |
| 48 | Detachment of Oil Drops from Solid Surfaces in Surfactant Solutions: Molecular Mechanisms at a Moving Contact Line. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 1309-1321.           | 1.8 | 50        |
| 49 | Electric forces induced by a charged colloid particle attached to the water-nonpolar fluid interface. <i>Journal of Colloid and Interface Science</i> , 2006, 298, 213-231.                                 | 5.0 | 49        |
| 50 | The metastable states of foam films containing electrically charged micelles or particles: Experiment and quantitative interpretation. <i>Advances in Colloid and Interface Science</i> , 2011, 168, 50-70. | 7.0 | 49        |
| 51 | Stability of evaporating two-layered liquid film in the presence of surfactant. II. Linear analysis. <i>Chemical Engineering Science</i> , 1998, 53, 2823-2837.                                             | 1.9 | 48        |
| 52 | Drag of a Solid Particle Trapped in a Thin Film or at an Interface: Influence of Surface Viscosity and Elasticity. <i>Journal of Colloid and Interface Science</i> , 2000, 226, 35-43.                      | 5.0 | 48        |
| 53 | Effect of surfactants on the stability of films between two colliding small bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 175, 179-192.                          | 2.3 | 47        |
| 54 | On the Viscosity of Dilute Emulsions. <i>Journal of Colloid and Interface Science</i> , 2001, 235, 144-149.                                                                                                 | 5.0 | 47        |

| #  | ARTICLE                                                                                                                                                                                             | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | On the mechanism of stomatocyteâ€“echinocyte transformations of red blood cells: experiment and theoretical model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 34, 123-140.               | 2.5 | 47        |
| 56 | Role of the counterions on the adsorption of ionic surfactants. <i>Advances in Colloid and Interface Science</i> , 2007, 134-135, 105-124.                                                          | 7.0 | 47        |
| 57 | Self-Assembled Bilayers from the Protein HFBII Hydrophobin: Nature of the Adhesion Energy. <i>Langmuir</i> , 2011, 27, 4481-4488.                                                                   | 1.6 | 47        |
| 58 | Kinetic Model for the Simultaneous Processes of Flocculation and Coalescence in Emulsion Systems. <i>Journal of Colloid and Interface Science</i> , 1994, 167, 8-17.                                | 5.0 | 46        |
| 59 | Stability of evaporating two-layered liquid film in the presence of surfactantâ€”III. Non-linear stability analysis. <i>Chemical Engineering Science</i> , 1998, 53, 2839-2857.                     | 1.9 | 46        |
| 60 | Effect of electric-field-induced capillary attraction on the motion of particles at an oilâ€“water interface. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6371.                           | 1.3 | 46        |
| 61 | Determination of Bulk and Surface Diffusion Coefficients from Experimental Data for Thin Liquid Film Drainage. <i>Journal of Colloid and Interface Science</i> , 2000, 223, 314-316.                | 5.0 | 44        |
| 62 | Experimental Study of Particle Structuring in Vertical Stratifying Films from Latex Suspensions. <i>Langmuir</i> , 1997, 13, 4342-4348.                                                             | 1.6 | 43        |
| 63 | Adsorption Kinetics of Ionic Surfactants with Detailed Account for the Electrostatic Interactions. <i>Journal of Colloid and Interface Science</i> , 1997, 192, 194-206.                            | 5.0 | 43        |
| 64 | The stability of evaporating thin liquid films in the presence of surfactant. I. Lubrication approximation and linear analysis. <i>Physics of Fluids</i> , 1998, 10, 131-143.                       | 1.6 | 43        |
| 65 | Surfactants role on the deformation of colliding small bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 156, 547-566.                                       | 2.3 | 42        |
| 66 | Interpretation of surface-tension isotherms of n-alkanoic (fatty) acids by means of the van der Waals model. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 809-813.                  | 5.0 | 42        |
| 67 | Attraction between Particles at a Liquid Interface Due to the Interplay of Gravity- and Electric-Field-Induced Interfacial Deformations. <i>Langmuir</i> , 2009, 25, 9129-9139.                     | 1.6 | 42        |
| 68 | Surface dilatational rheology measurements for oil/water systems with viscous oils. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 545-550.                                           | 5.0 | 41        |
| 69 | Mass transport in micellar surfactant solutions: 1. Relaxation of micelle concentration, aggregation number and polydispersity. <i>Advances in Colloid and Interface Science</i> , 2006, 119, 1-16. | 7.0 | 40        |
| 70 | Interaction between deformable Brownian droplets. <i>Physical Review Letters</i> , 1993, 71, 3226-3229.                                                                                             | 2.9 | 39        |
| 71 | Monolayers of charged particles in a Langmuir trough: Could particle aggregation increase the surface pressure?. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 223-234.              | 5.0 | 39        |
| 72 | Adsorption Relaxation for Nonionic Surfactants under Mixed Barrier-Diffusion and Micellization-Diffusion Control. <i>Journal of Colloid and Interface Science</i> , 2002, 251, 18-25.               | 5.0 | 38        |

| #  | ARTICLE                                                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Capillary meniscus dynamometry – Method for determining the surface tension of drops and bubbles with isotropic and anisotropic surface stress distributions. <i>Journal of Colloid and Interface Science</i> , 2015, 440, 168-178.       | 5.0 | 37        |
| 74 | Adsorption kinetics of ionic surfactants with detailed account for the electrostatic interactions: effect of the added electrolyte. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 156, 389-411.         | 2.3 | 36        |
| 75 | Shape of the Capillary Meniscus around an Electrically Charged Particle at a Fluid Interface: A Comparison of Theory and Experiment. <i>Langmuir</i> , 2006, 22, 2653-2667.                                                               | 1.6 | 36        |
| 76 | Role of interfacial elasticity for the rheological properties of saponin-stabilized emulsions. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 264-275.                                                                      | 5.0 | 36        |
| 77 | Adsorption from Micellar Surfactant Solutions: Nonlinear Theory and Experiment. <i>Journal of Colloid and Interface Science</i> , 1996, 183, 223-235.                                                                                     | 5.0 | 35        |
| 78 | Hydrodynamic Theory for Spontaneously Growing Dimple in Emulsion Films with Surfactant Mass Transfer. <i>Journal of Colloid and Interface Science</i> , 1997, 188, 313-324.                                                               | 5.0 | 35        |
| 79 | Influence of Ionic Surfactants on the Drainage Velocity of Thin Liquid Films. <i>Journal of Colloid and Interface Science</i> , 2001, 241, 400-412.                                                                                       | 5.0 | 35        |
| 80 | Sulfonated methyl esters of fatty acids in aqueous solutions: Interfacial and micellar properties. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 307-318.                                                                  | 5.0 | 35        |
| 81 | Elastic Langmuir Layers and Membranes Subjected to Unidirectional Compression: Wrinkling and Collapse. <i>Langmuir</i> , 2010, 26, 143-155.                                                                                               | 1.6 | 34        |
| 82 | The Drop Size in Membrane Emulsification Determined from the Balance of Capillary and Hydrodynamic Forces. <i>Langmuir</i> , 2008, 24, 1397-1410.                                                                                         | 1.6 | 33        |
| 83 | Role of Surface Diffusion for the Drainage and Hydrodynamic Stability of Thin Liquid Films. <i>Langmuir</i> , 2001, 17, 1150-1156.                                                                                                        | 1.6 | 32        |
| 84 | Mass transport in micellar surfactant solutions: 2. Theoretical modeling of adsorption at a quiescent interface. <i>Advances in Colloid and Interface Science</i> , 2006, 119, 17-33.                                                     | 7.0 | 32        |
| 85 | Surface Pressure and Elasticity of Hydrophobin HFBII Layers on the Air–Water Interface: Rheology Versus Structure Detected by AFM Imaging. <i>Langmuir</i> , 2013, 29, 6053-6067.                                                         | 1.6 | 32        |
| 86 | Soft electrostatic repulsion in particle monolayers at liquid interfaces: surface pressure and effect of aggregation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150130. | 1.6 | 32        |
| 87 | Interaction between like-charged particles at a liquid interface: Electrostatic repulsion vs. electrocapillary attraction. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 505-514.                                          | 5.0 | 31        |
| 88 | Equations of state and adsorption isotherms of low molecular non-ionic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 118-133.                                                         | 2.3 | 30        |
| 89 | Surface Pressure Isotherm for a Monolayer of Charged Colloidal Particles at a Water/Nonpolar-Fluid Interface: Experiment and Theoretical Model. <i>Langmuir</i> , 2014, 30, 2768-2778.                                                    | 1.6 | 30        |
| 90 | Analytical modeling of micelle growth. 1. Chain-conformation free energy of binary mixed spherical, wormlike and lamellar micelles. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 245-255.                                 | 5.0 | 30        |

| #   | ARTICLE                                                                                                                                                                                                                                       | IF  | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Erythrocyte attachment to substrates: determination of membrane tension and adhesion energy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 19, 61-80.                                                                                 | 2.5 | 29        |
| 92  | Monolayers of Globular Proteins on the Air/Water Interface: Applicability of the Volmer Equation of State. <i>Langmuir</i> , 2003, 19, 7362-7369.                                                                                             | 1.6 | 29        |
| 93  | Hydration force due to the reduced screening of the electrostatic repulsion in few-nanometer-thick films. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 517-524.                                                        | 3.4 | 29        |
| 94  | Depletion forces in thin liquid films due to nonionic and ionic surfactant micelles. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 11-18.                                                                               | 3.4 | 29        |
| 95  | Surface shear rheology of hydrophobin adsorption layers: laws of viscoelastic behaviour with applications to long-term foam stability. <i>Faraday Discussions</i> , 2012, 158, 195.                                                           | 1.6 | 28        |
| 96  | Surface Shear Rheology of Adsorption Layers from the Protein HFBII Hydrophobin: Effect of Added $\beta^2$ -Casein. <i>Langmuir</i> , 2012, 28, 4168-4177.                                                                                     | 1.6 | 27        |
| 97  | Hardening of particle/oil/water suspensions due to capillary bridges: Experimental yield stress and theoretical interpretation. <i>Advances in Colloid and Interface Science</i> , 2018, 251, 80-96.                                          | 7.0 | 27        |
| 98  | Dislike vs. cylindrical micelles: Generalized model of micelle growth and data interpretation. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 258-273.                                                                          | 5.0 | 25        |
| 99  | Effect of the surface expansion and wettability of the capillary on the dynamic surface tension measured by the maximum bubble pressure method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 113, 117-126. | 2.3 | 24        |
| 100 | Stokes flow caused by the motion of a rigid sphere close to a viscous interface. <i>Chemical Engineering Science</i> , 1998, 53, 3413-3434.                                                                                                   | 1.9 | 24        |
| 101 | Electric charging of thin films measured using the contrast transfer function. <i>Ultramicroscopy</i> , 2001, 87, 45-54.                                                                                                                      | 0.8 | 24        |
| 102 | Sulfonated methyl esters, linear alkylbenzene sulfonates and their mixed solutions: Micellization and effect of $\text{Ca}^{2+}$ ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 87-97.            | 2.3 | 24        |
| 103 | Rheology of mixed solutions of sulfonated methyl esters and betaine in relation to the growth of giant micelles and shampoo applications. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102062.                               | 7.0 | 24        |
| 104 | Adsorption Kinetics of Ionic Surfactants after a Large Initial Perturbation. Effect of Surface Elasticity. <i>Langmuir</i> , 2000, 16, 2942-2956.                                                                                             | 1.6 | 23        |
| 105 | Analytical modeling of micelle growth. 2. Molecular thermodynamics of mixed aggregates and scission energy in wormlike micelles. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 227-241.                                        | 5.0 | 23        |
| 106 | Effect of Nonionic Admixtures on the Adsorption of Ionic Surfactants at Fluid Interfaces. 2. Sodium Dodecylbenzene Sulfonate and Dodecylbenzene. <i>Langmuir</i> , 2003, 19, 5019-5030.                                                       | 1.6 | 22        |
| 107 | Effect of disjoining pressure on the drainage and relaxation dynamics of liquid films with mobile interfaces. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 273-284.                                                           | 5.0 | 22        |
| 108 | Motion of a massive microsphere bound to a spherical vesicle. <i>Europhysics Letters</i> , 1997, 40, 405-410.                                                                                                                                 | 0.7 | 21        |



| #   | ARTICLE                                                                                                                                                                                                                                                | IF  | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Analytical modeling of micelle growth. 4. Molecular thermodynamics of wormlike micelles from ionic surfactants: Theory vs. experiment. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 561-581.                                           | 5.0 | 21        |
| 110 | Hydrodynamic instability and coalescence in trains of emulsion drops or gas bubbles moving through a narrow capillary. <i>Journal of Colloid and Interface Science</i> , 2003, 267, 243-258.                                                           | 5.0 | 20        |
| 111 | Shear rheology of mixed protein adsorption layers vs their structure studied by surface force measurements. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 148-161.                                                                     | 7.0 | 20        |
| 112 | Reconstruction of the electric charge density in thin films from the contrast transfer function measurements. <i>Ultramicroscopy</i> , 2002, 90, 85-95.                                                                                                | 0.8 | 19        |
| 113 | Limited coalescence and Ostwald ripening in emulsions stabilized by hydrophobin HFBII and milk proteins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 521-538.                                                 | 2.3 | 19        |
| 114 | Influence of the surface viscosity on the drag and torque coefficients of a solid particle in a thin liquid layer. <i>Chemical Engineering Science</i> , 1995, 50, 263-277.                                                                            | 1.9 | 18        |
| 115 | Solubility limits and phase diagrams for fatty alcohols in anionic (SLES) and zwitterionic (CAPB) micellar surfactant solutions. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 46-61.                                                   | 5.0 | 18        |
| 116 | Adhesion of bubbles and drops to solid surfaces, and anisotropic surface tensions studied by capillary meniscus dynamometry. <i>Advances in Colloid and Interface Science</i> , 2016, 233, 223-239.                                                    | 7.0 | 18        |
| 117 | The Effect of Oil Solubility on the Oil Drop Entry at Water-Air Interface. <i>Langmuir</i> , 2000, 16, 8892-8902.                                                                                                                                      | 1.6 | 16        |
| 118 | Forces acting on dielectric colloidal spheres at a water/nonpolar fluid interface in an external electric field. 2. Charged particles. <i>Journal of Colloid and Interface Science</i> , 2013, 405, 269-277.                                           | 5.0 | 16        |
| 119 | Competitive adsorption of the protein hydrophobin and an ionic surfactant: Parallel vs sequential adsorption and dilatational rheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 457, 307-317.                  | 2.3 | 16        |
| 120 | Encapsulation of oils and fragrances by core-in-shell structures from silica particles, polymers and surfactants: The brick-and-mortar concept. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 351-364.          | 2.3 | 16        |
| 121 | Disjoining pressure of thin films stabilized by nonionic surfactants. <i>Advances in Colloid and Interface Science</i> , 2006, 128-130, 185-215.                                                                                                       | 7.0 | 15        |
| 122 | In vitro study of triglyceride lipolysis and phase distribution of the reaction products and cholesterol: effects of calcium and bicarbonate. <i>Food and Function</i> , 2012, 3, 1206.                                                                | 2.1 | 15        |
| 123 | Hydrodynamic cavitation: a bottom-up approach to liquid aeration. <i>Soft Matter</i> , 2012, 8, 4562.                                                                                                                                                  | 1.2 | 15        |
| 124 | Analytical modeling of micelle growth. 3. Electrostatic free energy of ionic wormlike micelles – Effects of activity coefficients and spatially confined electric double layers. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 262-275. | 5.0 | 15        |
| 125 | Slow motions of a solid spherical particle close to a viscous interface. <i>International Journal of Multiphase Flow</i> , 1995, 21, 1169-1189.                                                                                                        | 1.6 | 14        |
| 126 | Method for analysis of the composition of acid soaps by electrolytic conductivity measurements. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 169-179.                                                                                  | 5.0 | 14        |



| #   | ARTICLE                                                                                                                                                                                                                                  | IF  | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Role of surfactants on the approaching velocity of two small emulsion drops. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 342-355.                                                                                       | 5.0 | 14        |
| 128 | Extension of the ladder model of self-assembly from cylindrical to dislike surfactant micelles. <i>Current Opinion in Colloid and Interface Science</i> , 2013, 18, 524-531.                                                             | 3.4 | 14        |
| 129 | Reply to Comment on Electrodipping Force Acting on Solid Particles at a Fluid Interface. <i>Langmuir</i> , 2006, 22, 848-849.                                                                                                            | 1.6 | 13        |
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