Georgi G Gochev

List of Publications by Year
in descending order

46 papers	980 citations	430874 18 h-index	434195 31 g-index
47 all docs	47 docs citations	47 times ranked	999 citing authors

#	Article	IF	Citations
1	Î²-Lactoglobulin Adsorption Layers at the Water/Air Surface: 5. Adsorption Isotherm and Equation of State Revisited, Impact of pH. Colloids and Interfaces, 2021, 5, 14.	2.1	5
2	Interaction of fullerene C60 with bovine serum albumin at the water â€“ air interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127702.	4.7	5
3	Investigating the Conformation of Surface-Adsorbed Proteins with Standing-Wave X-ray Fluorescence. Biomacromolecules, 2021, , .	5.4	4
4	Adsorption layer formation in dispersions of protein aggregates. Advances in Colloid and Interface Science, 2020, 276, 102086.	14.7	21
5	Î²-Lactoglobulin Adsorption Layers at the Water/Air Surface: 4. Impact on the Stability of Foam Films and Foams. Minerals (Basel, Switzerland), 2020, 10, 636.	2.0	7
6	Surface tension and dilational rheology of mixed Î²-casein â€“ Î²-lactoglobulin aqueous solutions at the water/air interface. Food Hydrocolloids, 2020, 106, 105883.	10.7	15
7	Specific Ion Effects of Trivalent Cations on the Structure and Charging State of Î²-Lactoglobulin Adsorption Layers. Langmuir, 2019, 35, 11299-11307.	3.5	17
8	Î²-Lactoglobulin Adsorption Layers at the Water/Air Surface: 3. Neutron Reflectometry Study on the Effect of pH. Journal of Physical Chemistry B, 2019, 123, 10877-10889.	2.6	19
9	Dynamic Surface Properties of Mixed Dispersions of Silica Nanoparticles and Lysozyme. Journal of Physical Chemistry B, 2019, 123, 4803-4812.	2.6	4
10	Quantifying Double-Layer Potentials at Liquidâ€“Gas Interfaces from Vibrational Sum-Frequency Generation. Journal of Physical Chemistry C, 2019, 123, 1279-1286.	3.1	46
11	Historical Perspectives on Foam Films. , 2018, , 59-76.		0
12	Foam Fractionation. , 2018, , 371-377.		1
13	Effect of solution pH on the adsorption of BLG at the solution/tetradecane interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 161-167.	4.7	6
14	Î²-Lactoglobulin adsorption layers at the water/air surface: 1. Adsorption kinetics and surface pressure isotherm: Effect of pH and ionic strength. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 153-160.	4.7	40
15	Element-specific density profiles in interacting biomembrane models. Journal Physics D: Applied Physics, 2017, 50, 104001.	2.8	5
16	Dynamic surface properties of mixed monolayers of polystyrene micro- and nanoparticles with DPPC. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 239-246.	4.7	17
17	Mixed adsorption mechanism for the kinetics of BLG interfacial layer formation at the solution/tetradecane interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 146-152.	4.7	7
18	Dilational visco-elasticity of BLG adsorption layers at the solution/tetradecane interface â€“ Effect of pH and ionic strength. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 204-210.	4.7	8

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19	Î²-Lactoglobulin adsorption layers at the water/air surface: 2. Dilational rheology: Effect of pH and ionic strength. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 167-176.	4.7	35
20	Influence of polyelectrolytes on dynamic surface properties of fibrinogen solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 108-115.	4.7	11
21	Effect of pH and electrolyte concentration on rising air bubbles in Î²-lactoglobulin solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 505, 165-170.	4.7	15
22	Specific effects of Ca²⁺ions and molecular structure of Î²-lactoglobulin interfacial layers that drive macroscopic foam stability. Soft Matter, 2016, 12, 5995-6004.	2.7	30
23	Chronicles of foam films. Advances in Colloid and Interface Science, 2016, 233, 115-125.	14.7	26
24	Simulation of Interfacial Properties and Droplet Hydrodynamics. , 2016, , 237-270.		0
25	Tensiometry and dilational rheology of mixed Î²-lactoglobulin/ionic surfactant adsorption layers at water/air and water/hexane interfaces. Journal of Colloid and Interface Science, 2015, 449, 383-391.	9.4	21
26	Thin liquid films stabilized by polymers and polymer/surfactant mixtures. Current Opinion in Colloid and Interface Science, 2015, 20, 115-123.	7.4	27
27	Adsorption of equimolar aqueous sodium dodecyl sulphate/dodecyl trimethylammonium bromide mixtures at solution/air and solution/oil interfaces. Colloid and Polymer Science, 2015, 293, 3099-3106.	2.1	8
28	Dynamics of Rear Stagnant Cap formation at the surface of spherical bubbles rising in surfactant solutions at large Reynolds numbers under conditions of small Marangoni number and slow sorption kinetics. Advances in Colloid and Interface Science, 2015, 222, 260-274.	14.7	53
29	Drop and bubble micro manipulator (DBMM)â€"A unique tool for mimicking processes in foams and emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 807-814.	4.7	24
30	Electrostatic stabilization of foam films from Î²-lactoglobulin solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 460, 272-279.	4.7	39
31	Evidence of negative surface pressure induced by Î²-lactoglobulin andÂÎ²-casein at water/air interface. Food Hydrocolloids, 2014, 34, 10-14.	10.7	2
32	Bubbleâ€"bubble interaction in aqueous Î²-Lactoglobulin solutions. Food Hydrocolloids, 2014, 34, 15-21.	10.7	8
33	Interfacial rheology of mixed layers of food proteins and surfactants. Current Opinion in Colloid and Interface Science, 2013, 18, 302-310.	7.4	78
34	Characterization methods for liquid interfacial layers. European Physical Journal: Special Topics, 2013, 222, 7-29.	2.6	45
35	pH Effects on the Molecular Structure of Î²-Lactoglobulin Modified Airâ€"Water Interfaces and Its Impact on Foam Rheology. Langmuir, 2013, 29, 11646-11655.	3.5	136
36	Adsorption isotherm and equation of state for Î²-Lactoglobulin layers at the air/water surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 422, 33-38.	4.7	44

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37	Simultaneous versus Sequential Adsorption of Î²-Casein/SDS Mixtures. Comparison of Water/Air and Water/Hexane Interfaces. ACS Symposium Series, 2012, , 153-178.	0.5	0
38	Effect of the degree of grafting in hydrophobically modified inulin polymeric surfactants on the steric forces in foam and oil-in-water emulsion films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 101-104.	4.7	6
39	Electrostatic and steric interactions in oil-in-water emulsion films from Pluronic surfactants. Advances in Colloid and Interface Science, 2011, 168, 79-84.	14.7	34
40	On the origin of electrostatic and steric repulsion in oil-in-water emulsion films from PEO-PPO-PEO triblock copolymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 56-60.	4.7	11
41	Stability of O/W Emulsion Films from Mixed Aqueous Solutions of Inulin-Based Polymeric and Polyethylene Glycol Surfactants. Journal of Dispersion Science and Technology, 2009, 31, 31-37.	2.4	3
42	Comparison of oil-in-water emulsion films produced using ABA or ABn copolymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 335, 50-54.	4.7	20
43	Oil-in-water emulsion films stabilized by polymeric surfactants based on inulin with different degree of hydrophobic modification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 334, 87-91.	4.7	17
44	Interaction Forces in Thin Liquid Films Stabilized by Hydrophobically Modified Inulin Polymeric Surfactant. 2. Emulsion Films. Langmuir, 2007, 23, 1711-1715.	3.5	41
45	Interaction Forces in Thin Liquid Films Stabilized by Hydrophobically Modified Inulin Polymeric Surfactant. 3. Influence of Electrolyte Type on Emulsion Films. Langmuir, 2007, 23, 6091-6094.	3.5	18
46	Interaction Forces in Emulsion Films Stabilized with Hydrophobically Modified Inulin (Polyfructose) and Correlation with Emulsion Stability. , 0, , 67-73.		0