

Georgi G Gochev

List of Publications by Year in descending order

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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	pH Effects on the Molecular Structure of $\hat{\Gamma}^2$ -Lactoglobulin Modified Air/Water Interfaces and Its Impact on Foam Rheology. <i>Langmuir</i> , 2013, 29, 11646-11655.	3.5	136
2	Interfacial rheology of mixed layers of food proteins and surfactants. <i>Current Opinion in Colloid and Interface Science</i> , 2013, 18, 302-310.	7.4	78
3	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. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 260-274.	14.7	53
4	Quantifying Double-Layer Potentials at Liquid/Gas Interfaces from Vibrational Sum-Frequency Generation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1279-1286.	3.1	46
5	Characterization methods for liquid interfacial layers. <i>European Physical Journal: Special Topics</i> , 2013, 222, 7-29.	2.6	45
6	Adsorption isotherm and equation of state for $\hat{\Gamma}^2$ -Lactoglobulin layers at the air/water surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 422, 33-38.	4.7	44
7	Interaction Forces in Thin Liquid Films Stabilized by Hydrophobically Modified Inulin Polymeric Surfactant. 2. Emulsion Films. <i>Langmuir</i> , 2007, 23, 1711-1715.	3.5	41
8	$\hat{\Gamma}^2$ -Lactoglobulin adsorption layers at the water/air surface: 1. Adsorption kinetics and surface pressure isotherm: Effect of pH and ionic strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 153-160.	4.7	40
9	Electrostatic stabilization of foam films from $\hat{\Gamma}^2$ -lactoglobulin solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 272-279.	4.7	39
10	$\hat{\Gamma}^2$ -Lactoglobulin adsorption layers at the water/air surface: 2. Dilational rheology: Effect of pH and ionic strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 521, 167-176.	4.7	35
11	Electrostatic and steric interactions in oil-in-water emulsion films from Pluronic surfactants. <i>Advances in Colloid and Interface Science</i> , 2011, 168, 79-84.	14.7	34
12	Specific effects of Ca^{2+} ions and molecular structure of $\hat{\Gamma}^2$ -lactoglobulin interfacial layers that drive macroscopic foam stability. <i>Soft Matter</i> , 2016, 12, 5995-6004.	2.7	30
13	Thin liquid films stabilized by polymers and polymer/surfactant mixtures. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 115-123.	7.4	27
14	Chronicles of foam films. <i>Advances in Colloid and Interface Science</i> , 2016, 233, 115-125.	14.7	26
15	Drop and bubble micro manipulator (DBMM) – A unique tool for mimicking processes in foams and emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 807-814.	4.7	24
16	Tensiometry and dilational rheology of mixed $\hat{\Gamma}^2$ -lactoglobulin/ionic surfactant adsorption layers at water/air and water/hexane interfaces. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 383-391.	9.4	21
17	Adsorption layer formation in dispersions of protein aggregates. <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102086.	14.7	21
18	Comparison of oil-in-water emulsion films produced using ABA or AB _n copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 335, 50-54.	4.7	20

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19	$\hat{\Gamma}^2$ -Lactoglobulin Adsorption Layers at the Water/Air Surface: 3. Neutron Reflectometry Study on the Effect of pH. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10877-10889.	2.6	19
20	Interaction Forces in Thin Liquid Films Stabilized by Hydrophobically Modified Inulin Polymeric Surfactant. 3. Influence of Electrolyte Type on Emulsion Films. <i>Langmuir</i> , 2007, 23, 6091-6094.	3.5	18
21	Oil-in-water emulsion films stabilized by polymeric surfactants based on inulin with different degree of hydrophobic modification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 334, 87-91.	4.7	17
22	Dynamic surface properties of mixed monolayers of polystyrene micro- and nanoparticles with DPPC. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 521, 239-246.	4.7	17
23	Specific Ion Effects of Trivalent Cations on the Structure and Charging State of $\hat{\Gamma}^2$ -Lactoglobulin Adsorption Layers. <i>Langmuir</i> , 2019, 35, 11299-11307.	3.5	17
24	Effect of pH and electrolyte concentration on rising air bubbles in $\hat{\Gamma}^2$ -lactoglobulin solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 165-170.	4.7	15
25	Surface tension and dilational rheology of mixed $\hat{\Gamma}^2$ -casein and $\hat{\Gamma}^2$ -lactoglobulin aqueous solutions at the water/air interface. <i>Food Hydrocolloids</i> , 2020, 106, 105883.	10.7	15
26	On the origin of electrostatic and steric repulsion in oil-in-water emulsion films from PEO-PPO-PEO triblock copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 56-60.	4.7	11
27	Influence of polyelectrolytes on dynamic surface properties of fibrinogen solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 108-115.	4.7	11
28	Bubble-bubble interaction in aqueous $\hat{\Gamma}^2$ -Lactoglobulin solutions. <i>Food Hydrocolloids</i> , 2014, 34, 15-21.	10.7	8
29	Adsorption of equimolar aqueous sodium dodecyl sulphate/dodecyl trimethylammonium bromide mixtures at solution/air and solution/oil interfaces. <i>Colloid and Polymer Science</i> , 2015, 293, 3099-3106.	2.1	8
30	Dilational visco-elasticity of BLG adsorption layers at the solution/tetradecane interface – Effect of pH and ionic strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 521, 204-210.	4.7	8
31	Mixed adsorption mechanism for the kinetics of BLG interfacial layer formation at the solution/tetradecane interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 146-152.	4.7	7
32	$\hat{\Gamma}^2$ -Lactoglobulin Adsorption Layers at the Water/Air Surface: 4. Impact on the Stability of Foam Films and Foams. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 636.	2.0	7
33	Effect of the degree of grafting in hydrophobically modified inulin polymeric surfactants on the steric forces in foam and oil-in-water emulsion films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 391, 101-104.	4.7	6
34	Effect of solution pH on the adsorption of BLG at the solution/tetradecane interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 161-167.	4.7	6
35	Element-specific density profiles in interacting biomembrane models. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 104001.	2.8	5
36	$\hat{\Gamma}^2$ -Lactoglobulin Adsorption Layers at the Water/Air Surface: 5. Adsorption Isotherm and Equation of State Revisited, Impact of pH. <i>Colloids and Interfaces</i> , 2021, 5, 14.	2.1	5

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37	Interaction of fullerene C60 with bovine serum albumin at the water-air interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127702.	4.7	5
38	Dynamic Surface Properties of Mixed Dispersions of Silica Nanoparticles and Lysozyme. Journal of Physical Chemistry B, 2019, 123, 4803-4812.	2.6	4
39	Investigating the Conformation of Surface-Adsorbed Proteins with Standing-Wave X-ray Fluorescence. Biomacromolecules, 2021, , .	5.4	4
40	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
41	Evidence of negative surface pressure induced by β^2 -lactoglobulin and β^2 -casein at water/air interface. Food Hydrocolloids, 2014, 34, 10-14.	10.7	2
42	Foam Fractionation. , 2018, , 371-377.		1
43	Interaction Forces in Emulsion Films Stabilized with Hydrophobically Modified Inulin (Polyfructose) and Correlation with Emulsion Stability. , 0, , 67-73.		0
44	Simultaneous versus Sequential Adsorption of β^2 -Casein/SDS Mixtures. Comparison of Water/Air and Water/Hexane Interfaces. ACS Symposium Series, 2012, , 153-178.	0.5	0
45	Simulation of Interfacial Properties and Droplet Hydrodynamics. , 2016, , 237-270.		0
46	Historical Perspectives on Foam Films. , 2018, , 59-76.		0