

Jürgen Krügel

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

922
citations

623734

14
h-index

752698

20
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21
all docs

21
docs citations

21
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Rheology of interfacial layers. <i>Colloid and Polymer Science</i> , 2010, 288, 937-950.	2.1	216
2	Interfacial shear rheology. <i>Current Opinion in Colloid and Interface Science</i> , 2010, 15, 246-255.	7.4	122
3	Competition between Lipases and Monoglycerides at Interfaces. <i>Langmuir</i> , 2008, 24, 7400-7407.	3.5	91
4	Interfacial Properties of Mixed \hat{I}^2 -Lactoglobulin \hat{I}^2 -SDS Layers at the Water/Air and Water/Oil Interface. <i>Journal of Physical Chemistry B</i> , 2009, 113, 745-751.	2.6	88
5	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
6	Perturbation \hat{I}^2 -response relationship in liquid interfacial systems: non-linearity assessment by frequency \hat{I}^2 -domain analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 261, 57-63.	4.7	56
7	Adsorption of alkyl trimethylammonium bromides at the water/air and water/hexane interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 371, 22-28.	4.7	51
8	Adsorption of Protein \hat{I}^2 -Surfactant Complexes at the Water/Oil Interface. <i>Langmuir</i> , 2011, 27, 965-971.	3.5	45
9	Mixed protein \hat{I}^2 -surfactant adsorption layers formed in a sequential and simultaneous way at water \hat{I}^2 -air and water \hat{I}^2 -oil interfaces. <i>Soft Matter</i> , 2012, 8, 6057.	2.7	34
10	Oscillation of interfacial properties in liquid systems: assessment of harmonic distortion. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1375-1379.	2.8	29
11	Interfacial Viscoelasticity of Myoglobin at Air/Water and Air/Solution Interfaces: Role of Folding and Clustering. <i>Journal of Physical Chemistry B</i> , 2012, 116, 895-902.	2.6	29
12	Surface rheology of adsorbed surfactants and proteins. <i>Current Opinion in Colloid and Interface Science</i> , 1997, 2, 578-583.	7.4	25
13	Adsorption and Dilational Rheology of Mixed \hat{I}^2 -Casein/DoTAB Layers Formed by Sequential and Simultaneous Adsorption at the Water/Hexane Interface. <i>Langmuir</i> , 2013, 29, 2233-2241.	3.5	18
14	Consistency of surface mechanical properties of spread protein layers at the liquid \hat{I}^2 -air interface at different spreading conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999, 12, 391-397.	5.0	17
15	Surface shear rheological studies of marine phytoplankton cultures \hat{I}^2 -Nitzschia closterium, Thalassiosira rotula, Thalassiosira punctigera and Phaeocystis sp.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 47, 29-35.	5.0	10
16	Effect of Temperature on the Dynamic Properties of Mixed Surfactant Adsorbed Layers at the Water/Hexane Interface under Low-Gravity Conditions. <i>Colloids and Interfaces</i> , 2020, 4, 27.	2.1	6
17	Dynamic Properties of Mixed Cationic/Nonionic Adsorbed Layers at the N-Hexane/Water Interface: Capillary Pressure Experiments Under Low Gravity Conditions. <i>Colloids and Interfaces</i> , 2018, 2, 53.	2.1	4
18	Facility for adsorption and surface tension studies (FAST) on board of shuttle STS-107 mission: Determination of the surface dilational modulus as a function of concentration and temperature for aqueous solutions of dodecyl-dimethyl-phosphine-oxide, in the 0.01 \hat{I}^2 -0.32 Hz frequency range. <i>Microgravity Science and Technology</i> , 2006, 18, 100-103.	1.4	1

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19	Dynamics of Interfacial Layer Formation. Progress in Colloid and Interface Science, 2015, , 83-104.	0.0	1
20	Interfacial Dilational Viscoelasticity of Adsorption Layers at the Hydrocarbon/Water Interface: The Fractional Maxwell Model. Colloids and Interfaces, 2019, 3, 66.	2.1	1
21	Experimental Approaches and Related Theories. Progress in Colloid and Interface Science, 2015, , 59-82.	0.0	0