

Claus Czeslik

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

450
citations

933447

10
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of a Planar Poly(acrylic acid) Brush as a Materials Coating for Controlled Protein Immobilization. <i>Langmuir</i> , 2006, 22, 3300-3305.	3.5	87
2	Structure and dynamics of $\hat{\Gamma}$ -lactalbumin adsorbed at a charged brush interface. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1448.	2.8	50
3	Native-like Structure of Proteins at a Planar Poly(acrylic acid) Brush. <i>Langmuir</i> , 2009, 25, 1047-1053.	3.5	47
4	Interaction of IAPP and Insulin with Model Interfaces Studied Using Neutron Reflectometry. <i>Biophysical Journal</i> , 2009, 96, 1115-1123.	0.5	33
5	Probing adsorption and aggregation of insulin at a poly(acrylic acid) brush. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4375.	2.8	31
6	An access to buried interfaces: the X-ray reflectivity set-up of BL9 at DELTA. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 600-605.	2.4	27
7	Enzymatic activity under pressure. <i>MRS Bulletin</i> , 2017, 42, 738-742.	3.5	22
8	Spatial distribution of protein molecules adsorbed at a polyelectrolyte multilayer. <i>Physical Review E</i> , 2005, 71, 041912.	2.1	19
9	A quantitative study of the enzymatic activity of horseradish peroxidase at a planar poly(acrylic acid) brush. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 612-616.	5.0	17
10	Secondary structure and folding stability of proteins adsorbed on silica particles $\hat{\Gamma}$ Pressure versus temperature denaturation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 129, 161-168.	5.0	15
11	Inhibitor and peptide binding to calmodulin characterized by high pressure Fourier transform infrared spectroscopy and F $\hat{\Gamma}$ rster resonance energy transfer. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 617-623.	2.3	9
12	Volume profile of $\hat{\Gamma}$ -chymotrypsin during adsorption and enzymatic reaction on a poly(acrylic acid) brush. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9070-9078.	2.8	8
13	Improved activity of $\hat{\Gamma}$ -chymotrypsin on silica particles $\hat{\Gamma}$ A high-pressure stopped-flow study. <i>Biophysical Chemistry</i> , 2016, 218, 1-6.	2.8	8
14	Effect of interfacial properties on the activation volume of adsorbed enzymes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 497-504.	5.0	8
15	A high pressure study of calmodulin $\hat{\Gamma}$ ligand interactions using small-angle X-ray and elastic incoherent neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3514-3522.	2.8	8
16	Analyzing protein-ligand and protein-interface interactions using high pressure. <i>Biophysical Chemistry</i> , 2019, 252, 106194.	2.8	8
17	Methoden der Biophysikalischen Chemie. , 2011, , .		8
18	Structure of water confined in bicontinuous cubic lipid $\hat{\Gamma}$ water mesophases. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1621-1625.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Building Polyelectrolyte Multilayers with Calmodulin: A Neutron and X-ray Reflectivity Study. <i>Langmuir</i> , 2017, 33, 3982-3990.	3.5	6
20	Probing aggregation and fibril formation of insulin in polyelectrolyte multilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 94, 80-88.	5.0	5
21	Adsorption mechanism, secondary structure and local distribution of proteins at polyelectrolyte brushes. <i>Colloid and Polymer Science</i> , 2020, 298, 775-789.	2.1	5
22	Lipid Phase Control and Secondary Structure of Viral Fusion Peptides Anchored in Monoolein Membranes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8492-8502.	2.6	4
23	Interaction of calmodulin with poly(acrylic acid) brushes: Effects of high pressure, pH-value and ligand binding. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 478-484.	5.0	4
24	Bioresponsive interfaces composed of calmodulin and poly(ethylene glycol): Toggling the interfacial film thickness by protein-ligand binding. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 9-15.	5.0	3
25	Packing Effects of N-Ras Binding to a DOPC Membrane – a Neutron Reflectivity and TIRF Spectroscopy High-Pressure Study. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 969-986.	2.8	1
26	High-pressure study of magnetic nanoparticles with a polyelectrolyte brush as carrier particles for enzymes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110344.	5.0	1