

Gabriel S Longo

List of Publications by Year in descending order

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papers

874
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1242
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltage-Induced Adsorption of Cationic Nanoparticles on Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2230-2240.	2.6	4
2	Competitive Protein Adsorption on Charge Regulating Silica-Like Surfaces: The Role of Protonation Equilibrium. <i>Journal of Physics Condensed Matter</i> , 2022, , .	1.8	1
3	Nanoparticles modified with cell penetrating peptides: Assessing adsorption on membranes containing acidic lipids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111373.	5.0	15
4	Thermodynamic Theory of Multiresponsive Microgel Swelling. <i>Macromolecules</i> , 2021, 54, 2936-2947.	4.8	10
5	Mesoporous thin films on graphene FETs: nanofiltered, amplified and extended field-effect sensing. <i>Nanoscale</i> , 2021, 13, 19098-19108.	5.6	9
6	A study of the complex interaction between poly allylamine hydrochloride and negatively charged poly(<i>N</i> -isopropylacrylamide-co-methacrylic acid) microgels. <i>Soft Matter</i> , 2020, 16, 881-890.	2.7	16
7	Thermodynamics of cell penetrating peptides on lipid membranes: sequence and membrane acidity regulate surface binding. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23399-23410.	2.8	8
8	An example of theoretical approaches in polymer hydrogels: insights into the behavior of pH-responsive nanofilms. , 2020, , 229-256.		0
9	Role of micellar interface in the synthesis of chitosan nanoparticles formulated by reverse micellar method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124876.	4.7	30
10	Triggering doxorubicin release from responsive hydrogel films by polyamine uptake. <i>Soft Matter</i> , 2020, 16, 7492-7502.	2.7	6
11	How protonation modulates the interaction between proteins and pH-responsive hydrogel films. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 41, 27-39.	7.4	26
12	Adsorption and insertion of polyarginine peptides into membrane pores: The trade-off between electrostatics, acid-base chemistry and pore formation energy. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 701-711.	9.4	12
13	Molecular theory of glyphosate adsorption to pH-responsive polymer layers. <i>Adsorption</i> , 2019, 25, 1307-1316.	3.0	6
14	Pushing the Boundaries of Interfacial Sensitivity in Graphene FET Sensors: Polyelectrolyte Multilayers Strongly Increase the Debye Screening Length. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10181-10188.	3.1	51
15	Using Polymer Hydrogels for Glyphosate Sequestration from Aqueous Solutions: Molecular Theory Study of Adsorption to Polyallylamine Films. <i>Langmuir</i> , 2018, 34, 12560-12568.	3.5	7
16	Use of pH Gradients in Responsive Polymer Hydrogels for the Separation and Localization of Proteins from Binary Mixtures. <i>Macromolecules</i> , 2018, 51, 8205-8216.	4.8	20
17	Thermally-induced softening of PNIPAm-based nanopillar arrays. <i>Soft Matter</i> , 2017, 13, 2453-2464.	2.7	43
18	Behavior of ligand binding assays with crowded surfaces: Molecular model of antigen capture by antibody-conjugated nanoparticles. <i>PLoS ONE</i> , 2017, 12, e0185518.	2.5	28

#	ARTICLE	IF	CITATIONS
19	Adsorption and protonation of peptides and proteins in pH responsive gels. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 323001.	2.8	22
20	Controlling swelling/deswelling of stimuli-responsive hydrogel nanofilms in electric fields. <i>Soft Matter</i> , 2016, 12, 8359-8366.	2.7	20
21	Lysozyme adsorption in pH-responsive hydrogel thin-films: the non-trivial role of acid-base equilibrium. <i>Soft Matter</i> , 2015, 11, 6669-6679.	2.7	25
22	Unusual temperature-induced swelling of ionizable poly(N-isopropylacrylamide)-based microgels: experimental and theoretical insights into its molecular origin. <i>Soft Matter</i> , 2015, 11, 8879-8886.	2.7	28
23	Equilibrium Adsorption of Hexahistidine on pH-Responsive Hydrogel Nanofilms. <i>Langmuir</i> , 2014, 30, 15335-15344.	3.5	14
24	Non-monotonic swelling of surface grafted hydrogels induced by pH and/or salt concentration. <i>Journal of Chemical Physics</i> , 2014, 141, 124909.	3.0	29
25	pH-Controlled Nanoaggregation in Amphiphilic Polymer Co-networks. <i>ACS Nano</i> , 2013, 7, 2693-2704.	14.6	31
26	Molecular theory of weak polyelectrolyte thin films. <i>Soft Matter</i> , 2012, 8, 1344-1354.	2.7	51
27	A Molecular Dynamics Study of the Role of Adatoms in SAMs of Methylthiolate on Au(111): A New Force Field Parameterized from Ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14883-14891.	3.1	14
28	New insight into the electrochemical desorption of alkanethiol SAMs on gold. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12355.	2.8	29
29	Molecular Theory of Weak Polyelectrolyte Gels: The Role of pH and Salt Concentration. <i>Macromolecules</i> , 2011, 44, 147-158.	4.8	125
30	Calculating Partition Coefficients of Chain Anchors in Liquid-Ordered and Liquid-Disordered Phases. <i>Biophysical Journal</i> , 2010, 98, 1883-1892.	0.5	24
31	Stability and Liquid-Liquid Phase Separation in Mixed Saturated Lipid Bilayers. <i>Biophysical Journal</i> , 2009, 96, 3977-3986.	0.5	26
32	Phase Separation in Binary Mixtures of Bipolar and Monopolar Lipid Dispersions Revealed by 2H NMR Spectroscopy, Small Angle X-Ray Scattering, and Molecular Theory. <i>Biophysical Journal</i> , 2009, 97, 2700-2709.	0.5	20
33	Ligand-Receptor Interactions between Surfaces: The Role of Binary Polymer Spacers. <i>Langmuir</i> , 2008, 24, 10324-10333.	3.5	28
34	Stability and Phase Separation in Mixed Monopolar Lipid/Bolalipid Layers. <i>Biophysical Journal</i> , 2007, 93, 2609-2621.	0.5	21
35	Stability and phase separation in mixed self-assembled monolayers. <i>Journal of Chemical Physics</i> , 2006, 125, 074708.	3.0	11
36	Ligand-Receptor Interactions in Tethered Polymer Layers. <i>Langmuir</i> , 2005, 21, 11342-11351.	3.5	56

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37	Mechanism for electric charge separation by ejection of charged particles from an ice particle growing by riming. Atmospheric Research, 2003, 69, 99-108.	4.1	8