JosÃ© Antonio Molina-bolÃ-var

List of Publications by Year
in descending order

64 papers	2,796 citations	218677 26 h-index	175258 52 g-index
64 all docs	64 docs citations	64 times ranked	3441 citing authors

#	Article	IF	Citations
1	Hyaluronic acid and human/bovine serum albumin shelled nanocapsules: Interaction with mucins and in vitro digestibility of interfacial films. Food Chemistry, 2022, 383, 132330.	8.2	7
2	Applications of serum albumins in delivery systems: Differences in interfacial behaviour and interacting abilities with polysaccharides. Advances in Colloid and Interface Science, 2021, 290, 102365.	14.7	41
3	Maslinic acid conjugate with 7-amino-4-methylcoumarin as probe to monitor the temperature dependent conformational changes of human serum albumin by FRET. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 161-169.	3.9	6
4	Albumin-covered lipid nanocapsules exhibit enhanced uptake performance by breast-tumor cells. Colloids and Surfaces B: Biointerfaces, 2018, 165, 103-110.	5.0	21
5	Effect of the micellar composition on the rotational relaxation dynamics of Coumarin 153 in mixed micelles of n-dodecyl-Î²-d-maltoside and sodium dodecyl sulfate. Journal of Luminescence, 2017, 192, 188-195.	3.1	6
6	Effect of cross-linker glutaraldehyde on gastric digestion of emulsified albumin. Colloids and Surfaces B: Biointerfaces, 2016, 145, 899-905.	5.0	14
7	Simultaneous presence of dynamic and sphere action component in the fluorescence quenching of human serum albumin by diphthaloylmaslinic acid. Journal of Luminescence, 2016, 178, 259-266.	3.1	24
8	Analysis of the Photophysical Behavior and Rotational-Relaxation Dynamics of Coumarin 6 in Nonionic Micellar Environments: The Effect of Temperature. Molecules, 2015, 20, 19343-19360.	3.8	21
9	Interaction between the anti-cancer drug diacetyl maslinic acid and bovine serum albumin: A biophysical study. Journal of Molecular Liquids, 2015, 208, 304-313.	4.9	37
10	Energetics of albumin-disuccinylmaslinic acid binding determined by fluorescence spectroscopy. Fluid Phase Equilibria, 2015, 400, 43-52.	2.5	6
11	Olive-oil nanocapsules stabilized by HSA: influence of processing variables on particle properties. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	9
12	An Energetic Analysis of the Phase Separation in Non-Ionic Surfactant Mixtures: The Role of the Headgroup Structure. Entropy, 2014, 16, 4375-4391.	2.2	39
13	Systematic study on the preparation of BSA nanoparticles. Colloids and Surfaces B: Biointerfaces, 2014, 123, 286-292.	5.0	109
14	Micelle size modulation and phase behavior in MEGA-10/Triton X-100 mixtures. Thermochimica Acta, 2014, 598, 68-76.	2.7	5
15	Spectroscopic investigation on the interaction of maslinic acid with bovine serum albumin. Journal of Luminescence, 2014, 156, 141-149.	3.1	45
16	Energetics of clouding and size effects in non-ionic surfactant mixtures: The influence of alkyl chain length and NaCl addition. Journal of Chemical Thermodynamics, 2013, 57, 59-66.	2.0	25
17	Self-Assembly, Surface Activity and Structure of n-Octyl-Î²-D-thioglucopyranoside in Ethylene Glycol-Water Mixtures. International Journal of Molecular Sciences, 2013, 14, 3228-3253.	4.1	8
18	A laboratory activity on the eddy current brake. European Journal of Physics, 2012, 33, 697-707.	0.6	12

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19	Micellar size and phase behavior in n-octyl-Î²-d-thioglucoside/Triton X-100 mixtures: The effect of NaCl addition. Fluid Phase Equilibria, 2012, 327, 58-64.	2.5	24
20	Evidence of hydration forces between proteins. Current Opinion in Colloid and Interface Science, 2011, 16, 572-578.	7.4	50
21	Characterization of mixed non-ionic surfactants n-octyl-Î²-d-thioglucoside and octaethyleneâ€“glycol monododecyl ether: Micellization and microstructure. Journal of Colloid and Interface Science, 2011, 361, 178-185.	9.4	17
22	Light scattering and fluorescence studies of non-ionic surfactant binary mixtures formed by MEGA-10 and C12E8. Journal of Molecular Liquids, 2010, 155, 96-102.	4.9	10
23	On the Urea Action Mechanism: A Comparative Study on the Self-Assembly of Two Sugar-Based Surfactants. Journal of Physical Chemistry B, 2009, 113, 7178-7187.	2.6	26
24	Effect of glycine on the surface activity and micellar properties of N-decanoyl-N-methylglucamide. Colloid and Polymer Science, 2008, 286, 1281-1289.	2.1	29
25	Secondary Minimum Coagulation in Charged Colloidal Suspensions from Statistical Mechanics Methods. Journal of Physical Chemistry B, 2007, 111, 1110-1118.	2.6	4
26	Self-assembly, hydration, and structures in N-decanoyl-N-methylglucamide aqueous solutions: Effect of salt addition and temperature. Journal of Colloid and Interface Science, 2007, 313, 656-664.	9.4	26
27	Adhesion Forces between Protein Layers Studied by Means of Atomic Force Microscopy. Langmuir, 2006, 22, 5108-5114.	3.5	17
28	Effect of NaCl on the Self-Aggregation ofn-Octyl Î²-d-Thioglucopyranoside in Aqueous Medium. Journal of Physical Chemistry B, 2006, 110, 12089-12095.	2.6	31
29	Hydration forces between silica surfaces: Experimental data and predictions from different theories. Journal of Chemical Physics, 2005, 123, 034708.	3.0	127
30	Existence of Hydration Forces in the Interaction between Apoferritin Molecules Adsorbed on Silica Surfaces. Langmuir, 2005, 21, 9544-9554.	3.5	38
31	Latex Immunoagglutination Assays. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2005, 45, 59-98.	2.2	64
32	Measurement of interactions between protein layers adsorbed on silica by atomic force microscopy. Journal of Physics Condensed Matter, 2004, 16, S2383-S2392.	1.8	7
33	Aggregation behaviour of octyl-Î²-thioglucopyranoside in the presence of glycine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 35-39.	4.7	19
34	Interaction Forces between BSA Layers Adsorbed on Silica Surfaces Measured with an Atomic Force Microscope. Journal of Physical Chemistry B, 2004, 108, 5365-5371.	2.6	43
35	Surface Activity, Micelle Formation, and Growth ofn-Octyl-Î²-d-Thioglucopyranoside in Aqueous Solutions at Different Temperatures. Journal of Physical Chemistry B, 2004, 108, 12813-12820.	2.6	43
36	Interactions between bovine serum albumin layers adsorbed on different substrates measured with an atomic force microscope. Physical Chemistry Chemical Physics, 2004, 6, 1482-1486.	2.8	23

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37	Effect of ethylene glycol on the thermodynamic and micellar properties of Tween 20. Colloid and Polymer Science, 2003, 281, 531-541.	2.1	109
38	Study of the colloidal stability of an amphoteric latex. Colloid and Polymer Science, 2003, 281, 708-715.	2.1	14
39	On the determination of the critical micelle concentration by the pyrene 1:3 ratio method. Journal of Colloid and Interface Science, 2003, 258, 116-122.	9.4	690
40	Growth and Hydration Of Triton X-100 Micelles In Monovalent Alkali Salts:Â A Light Scattering Study. Journal of Physical Chemistry B, 2002, 106, 870-877.	2.6	110
41	Photophysical and light scattering studies on the aggregation behaviour of Triton X-100 in formamideâ€"water mixed solvents. Molecular Physics, 2002, 100, 3259-3269.	1.7	29
42	Interaction of Bacterial Endotoxine (Lipopolysaccharide) with Latex Particles: Application to Latex Agglutination Immunoassays. Journal of Colloid and Interface Science, 2002, 245, 230-236.	9.4	32
43	Thermodynamics and Micellar Properties of Tetradecyltrimethylammonium Bromide in Formamideâ€"Water Mixtures. Journal of Colloid and Interface Science, 2002, 255, 382-390.	9.4	99
44	Thermodynamic and Structural Studies of Triton X-100 Micelles in Ethylene Glycolâ^'Water Mixed Solvents. Langmuir, 2001, 17, 6831-6840.	3.5	185
45	Fractal Aggregates Induced by Antigenâ^'Antibody Interaction. Langmuir, 2001, 17, 2514-2520.	3.5	13
46	Specific cation adsorption on protein-covered particles and its influence on colloidal stability. Colloids and Surfaces B: Biointerfaces, 2001, 21, 125-135.	5.0	30
47	The role played by hydration forces in the stability of protein-coated particles: non-classical DLVO behaviour. Colloids and Surfaces B: Biointerfaces, 1999, 14, 3-17.	5.0	55
48	Development of a high sensitivity IgG-latex immunodetection system stabilized by hydration forces. Polymer International, 1999, 48, 685-690.	3.1	6
49	How Proteins Stabilize Colloidal Particles by Means of Hydration Forces. Langmuir, 1999, 15, 2644-2653.	3.5	108
50	Forces acting on particle-enhanced immunoassays. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 1093-1105.	3.5	5
51	Particle enhanced immunoassays stabilized by hydration forces: a comparative study between IgG and F(abâ€²)2 immunoreactivity. Journal of Immunological Methods, 1998, 211, 87-95.	1.4	17
52	Anomalous Colloidal Stability of Latex-Protein Systems. Journal of Colloid and Interface Science, 1998, 206, 518-526.	9.4	18
53	Cluster Morphology of Protein-Coated Polymer Colloids. Journal of Colloid and Interface Science, 1998, 208, 445-454.	9.4	13
54	Agglutination kinetics of F(abâ€²) 2 coated polymer colloids. Colloid and Polymer Science, 1998, 276, 1117-1124.	2.1	10

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55	Latex immunoassays: Comparative studies on covalent and physical immobilization of antibodies. II. IgG. Journal of Biomaterials Science, Polymer Edition, 1998, 9, 1103-1113.	3.5	10
56	Latex immunoassays: Comparative studies on covalent and physical immobilization of antibodies. I. F(ab')2 fragments. Journal of Biomaterials Science, Polymer Edition, 1998, 9, 1089-1101.	3.5	11
57	Functionalized Monodisperse Particles with Chloromethyl Groups for the Covalent Coupling of Proteins. Macromolecules, 1998, 31, 4282-4287.	4.8	30
58	Colloidal stability of protein-polymer systems: A possible explanation by hydration forces. Physical Review E, 1997, 55, 4522-4530.	2.1	68
59	A comparative study of optical techniques applied to particle-enhanced assays of C-reactive protein. Journal of Immunological Methods, 1997, 205, 151-156.	1.4	17
60	A simple kinetic model of antigen-antibody reactions in particle-enhanced light scattering immunoassays. Colloids and Surfaces B: Biointerfaces, 1997, 8, 303-309.	5.0	16
61	Repeptization Determined by Turbidity and Photon Correlation Spectroscopy Measurements: Particle Size Effects. Journal of Colloid and Interface Science, 1997, 195, 289-298.	9.4	13
62	Particle enhanced immunoaggregation of F(abâ€²)2 molecules. Journal of Immunological Methods, 1996, 190, 29-38.	1.4	37
63	Stabilization of protein-latex complexes at high ionic strength. Colloids and Surfaces B: Biointerfaces, 1996, 8, 73-80.	5.0	18
64	Stabilisation of an amphoteric latex by hydration forces. , 0, , 255-259.		0