Maria Graca Miguel

List of Publications by Year
in descending order

57 papers	3,156 citations	136950 32 h-index	149698 56 g-index
57 all docs	57 docs citations	57 times ranked	3311 citing authors

#	Article	IF	Citations
1	DNA gel particles: An overview. Advances in Colloid and Interface Science, 2014, 205, 240-256.	14.7	17
2	Mixed proteinâ€“DNA gel particles for DNA delivery: Role of protein composition and preparation method on biocompatibility. International Journal of Pharmaceutics, 2013, 454, 192-203.	5.2	12
3	Cyclodextrin-grafted cellulose: Physico-chemical characterization. Carbohydrate Polymers, 2013, 93, 324-330.	10.2	73
4	Counter-ion effect on surfactantâ€“DNA gel particles as controlled DNA delivery systems. Soft Matter, 2012, 8, 3200.	2.7	22
5	Supramolecular Organization in Self-Assembly of Chromatin and Cationic Lipid Bilayers is Controlled by Membrane Charge Density. Biomacromolecules, 2012, 13, 4146-4157.	5.4	7
6	Kinetic Studies of Amino Acid-Based Surfactant Binding to DNA. Journal of Physical Chemistry B, 2012, 116, 5831-5837.	2.6	23
7	Phase behavior and rheological properties of DNAâ€“cationic polysaccharide mixtures. Journal of Colloid and Interface Science, 2012, 383, 63-74.	9.4	8
8	pH-responsive liposome-templated polyelectrolyte nanocapsules. Soft Matter, 2012, 8, 4415.	2.7	58
9	Preparation of Calcium Alginate Nanoparticles Using Water-in-Oil (W/O) Nanoemulsions. Langmuir, 2012, 28, 4131-4141.	3.5	103
10	Rationalizing cellulose (in)solubility: reviewing basic physicochemical aspects and role of hydrophobic interactions. Cellulose, 2012, 19, 581-587.	4.9	437
11	Swelling behavior of a new biocompatible plasmid DNA hydrogel. Colloids and Surfaces B: Biointerfaces, 2012, 92, 106-112.	5.0	29
12	Planar lamellae and onions: a spatially resolved rheoâ€“NMR approach to the shear-induced structural transformations in a surfactant model system. Soft Matter, 2011, 7, 4938.	2.7	33
13	Size and morphology of assemblies formed by DNA and lysozyme in dilute aqueous mixtures. Physical Chemistry Chemical Physics, 2011, 13, 3082-3091.	2.8	18
14	DNA gel particles from single and double-tail surfactants: supramolecular assemblies and release characteristics. Soft Matter, 2011, 7, 2001.	2.7	18
15	Inclusion of a single-tail amino acid-based amphiphile in a lipoplex formulation: Effects on transfection efficiency and physicochemical properties. Molecular Membrane Biology, 2011, 28, 42-53.	2.0	7
16	Physicochemical properties of transferrin-associated lipopolyplexes and their role in biological activity. Colloids and Surfaces B: Biointerfaces, 2010, 76, 207-214.	5.0	10
17	Interactions between DNA and Nonionic Ethylene Oxide Surfactants are Predominantly Repulsive. Langmuir, 2010, 26, 13102-13109.	3.5	13
18	Interactions between Cationic Lipid Bilayers and Model Chromatin. Langmuir, 2010, 26, 12488-12492.	3.5	11

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19	Vesicle-Templated Layer-by-Layer Assembly for the Production of Nanocapsules. Langmuir, 2010, 26, 10555-10560.	3.5	65
20	Novel Biocompatible DNA Gel Particles. Langmuir, 2010, 26, 10606-10613.	3.5	22
21	DNA gel particles. Soft Matter, 2010, 6, 3143.	2.7	25
22	Phase Behavior and Coassembly of DNA and Lysozyme in Dilute Aqueous Mixtures: A Model Investigation of DNAâˆ’Protein Interactions. Langmuir, 2010, 26, 2986-2988.	3.5	12
23	Chitosan-DNA Particles for DNA Delivery: Effect of Chitosan Molecular Weight on Formation and Release Characteristics. Journal of Dispersion Science and Technology, 2009, 30, 1494-1499.	2.4	10
24	Mixed Protein Carriers for Modulating DNA Release. Langmuir, 2009, 25, 10263-10270.	3.5	20
25	Controlling the Morphology in DNA Condensation and Precipitation. Biomacromolecules, 2009, 10, 1319-1323.	5.4	30
26	Role of Linker Groups between Hydrophilic and Hydrophobic Moieties of Cationic Surfactants on Oligonucleotideâˆ’Surfactant Interactions. Langmuir, 2009, 25, 13770-13775.	3.5	27
27	Cationic agents for DNA compaction. Journal of Colloid and Interface Science, 2008, 323, 75-83.	9.4	48
28	DNA pre-condensation with an amino acid-based cationic amphiphile. A viable approach for liposome-based gene delivery. Molecular Membrane Biology, 2008, 25, 23-34.	2.0	35
29	Interaction between DNA and Cationic Surfactants: Effect of DNA Conformation and Surfactant Headgroup. Journal of Physical Chemistry B, 2008, 112, 14446-14452.	2.6	88
30	PVAâˆ’DNA Cryogel Membranes:â€‰ Characterization, Swelling, and Transport Studies. Langmuir, 2008, 24, 273-279.	3.5	60
31	Effect of the Head-Group Geometry of Amino Acid-Based Cationic Surfactants on Interaction with Plasmid DNA. Biomacromolecules, 2008, 9, 1852-1859.	5.4	48
32	Surfactantâˆ’DNA Gel Particles: Formation and Release Characteristics. Biomacromolecules, 2007, 8, 3886-3892.	5.4	40
33	DNA Gel Particles:â€‰ Particle Preparation and Release Characteristics. Langmuir, 2007, 23, 6478-6481.	3.5	57
34	Effect of Headgroup on DNAâˆ’Cationic Surfactant Interactionsâ€. Journal of Physical Chemistry B, 2007, 111, 8502-8508.	2.6	81
35	Responsive Polymer Gels:â€‰ Double-Stranded versus Single-Stranded DNA. Journal of Physical Chemistry B, 2007, 111, 10886-10896.	2.6	47
36	DNA encapsulation by biocompatible catanionic vesicles. Journal of Colloid and Interface Science, 2007, 312, 87-97.	9.4	58

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37	Interaction between Covalent DNA Gels and a Cationic Surfactant. Biomacromolecules, 2006, 7, 1090-1095.	5.4	57
38	Spontaneous Formation of Vesicles and Dispersed Cubic and Hexagonal Particles in Amino Acid-Based Catanionic Surfactant Systems. Langmuir, 2006, 22, 5588-5596.	3.5	81
39	Gels of Catanionic Vesicles and Hydrophobically Modified Poly(ethylene glycol). Journal of Dispersion Science and Technology, 2006, 27, 83-90.	2.4	17
40	Electrophoretic properties of complexes between DNA and the cationic surfactant cetyltrimethylammonium bromide. Electrophoresis, 2005, 26, 2908-2917.	2.4	17
41	Polyion Adsorption onto Catanionic Surfaces. A Monte Carlo Study. Journal of Physical Chemistry B, 2005, 109, 11781-11788.	2.6	52
42	Dynamics and Energetics of the Self-Assembly of a Hydrophobically Modified Polyelectrolyte:â€‰ Naphthalene-Labeled Poly(Acrylic Acid). Journal of Physical Chemistry B, 2005, 109, 11478-11492.	2.6	25
43	DNAâ^'Cationic Surfactant Interactions Are Different for Double- and Single-Stranded DNA. Biomacromolecules, 2005, 6, 2164-2171.	5.4	127
44	Coilâ^'Globule Transition of DNA Molecules Induced by Cationic Surfactants:Â A Dynamic Light Scattering Study. Journal of Physical Chemistry B, 2005, 109, 10458-10463.	2.6	111
45	Self-Assembly of a Hydrophobically Modified Naphthalene-Labeled Poly(acrylic acid) Polyelectrolyte in Water:Organic Solvent Mixtures Followed by Steady-State and Time-Resolved Fluorescence. Journal of Physical Chemistry B, 2005, 109, 3243-3251.	2.6	14
46	Surface Complexation of DNA with Insoluble Monolayers. Influence of Divalent Counterions. Langmuir, 2005, 21, 1900-1907.	3.5	61
47	Mixed Systems of Hydrophobically Modified Polyelectrolytes:â€‰ Controlling Rheology by Charge and Hydrophobe Stoichiometry and Interaction Strength. Langmuir, 2005, 21, 10188-10196.	3.5	17
48	Network Formation of Catanionic Vesicles and Oppositely Charged Polyelectrolytes. Effect of Polymer Charge Density and Hydrophobic Modification. Langmuir, 2004, 20, 4647-4656.	3.5	80
49	Modeling of DNA compaction by polycations. Journal of Chemical Physics, 2003, 119, 8150-8157.	3.0	82
50	Polyelectrolytes confined to spherical cavities. Journal of Chemical Physics, 2002, 117, 1385-1394.	3.0	38
51	Compaction and Decompaction of DNA in the Presence of Catanionic Amphiphile Mixtures. Journal of Physical Chemistry B, 2002, 106, 12608-12612.	2.6	100
52	DNA Interaction with Catanionic Vesicles. Journal of Physical Chemistry B, 2002, 106, 12600-12607.	2.6	104
53	DNAâ^'Surfactant Complexes at Solid Surfaces. Langmuir, 2001, 17, 1666-1669.	3.5	59
54	Association of Naphthalene-Labeled Poly(acrylic acid) and Interaction with Cationic Surfactants. Fluorescence Studies. Langmuir, 2000, 16, 10528-10539.	3.5	60

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55	DNA Phase Behavior in the Presence of Oppositely Charged Surfactants. Langmuir, 2000, 16, 9577-9583.	3.5	196
56	DNA conformational dynamics in the presence of catanionic mixtures. FEBS Letters, 1999, 453, 113-118.	2.8	79
57	Interactions between Catanionic Vesicles and Oppositely Charged PolyelectrolytesPhase Behavior and Phase Structure. Macromolecules, 1999, 32, 6626-6637.	4.8	107