Ramon Pons

List of Publications by Year
in descending order

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Version: 2024-02-01

112 papers	3,404 citations	126907 33 h-index	175258 52 g-index
114 all docs	114 docs citations	114 times ranked	4037 citing authors

#	Article	IF	Citations
1	Gels formed from the interaction of lipid vesicles: Influence of charge in their structural and rheological properties. Journal of Molecular Liquids, 2021, 322, 114957.	4.9	4
2	Peptide Amphiphilic-Based Supramolecular Structures with Anti-HIV-1 Activity. Bioconjugate Chemistry, 2021, 32, 1999-2013.	3.6	5
3	MWNTs or PEG as Stability Enhancers for DNAâ€“Cationic Surfactant Gel Particles. International Journal of Molecular Sciences, 2021, 22, 8801.	4.1	1
4	Green cationic arginine surfactants: Influence of the polar head cationic character on the self-aggregation and biological properties. Journal of Molecular Liquids, 2021, 339, 116819.	4.9	17
5	Monitoring the formation of a colloidal lipid gel at the nanoscale: vesicle aggregation driven by a temperature-induced mechanism. Journal of Materials Chemistry B, 2021, 9, 7472-7481.	5.8	4
6	Chiral pH-sensitive cyclobutane Î²-amino acid-based cationic amphiphiles: Possible candidates for use in gene therapy. Journal of Molecular Liquids, 2020, 297, 111856.	4.9	7
7	Preparation and characterization of a supramolecular hydrogel made of phospholipids and oleic acid with a high water content. Journal of Materials Chemistry B, 2020, 8, 161-167.	5.8	11
8	Biocompatible Catanionic Vesicles from Arginine-Based Surfactants: A New Strategy to Tune the Antimicrobial Activity and Cytotoxicity of Vesicular Systems. Pharmaceutics, 2020, 12, 857.	4.5	19
9	A new automated system for the preparation of sclerosant foam: A study of the physical characteristics produced and the device settings required. Phlebology, 2020, 35, 724-733.	1.2	4
10	Aggregation Behavior, Antibacterial Activity and Biocompatibility of Catanionic Assemblies Based on Amino Acid-Derived Surfactants. International Journal of Molecular Sciences, 2020, 21, 8912.	4.1	13
11	Biomimetic Synthesis of Sub-20 nm Covalent Organic Frameworks in Water. Journal of the American Chemical Society, 2020, 142, 3540-3547.	13.7	68
12	Pathway selection as a tool for crystal defect engineering: A case study with a functional coordination polymer. Applied Materials Today, 2020, 20, 100632.	4.3	7
13	Gemini histidine based surfactants: Characterization; surface properties and biological activity. Journal of Molecular Liquids, 2019, 289, 111156.	4.9	32
14	Cationic Niosomes as Non-Viral Vehicles for Nucleic Acids: Challenges and Opportunities in Gene Delivery. Pharmaceutics, 2019, 11, 50.	4.5	59
15	Arginine-Based Surfactants: Synthesis, Aggregation Properties, and Applications. , 2019, , 413-445.		8
16	Stability, biocompatibility and antioxidant activity of PEG-modified liposomes containing resveratrol. International Journal of Pharmaceutics, 2018, 538, 40-47.	5.2	122
17	Nutriosomes: prebiotic delivery systems combining phospholipids, a soluble dextrin and curcumin to counteract intestinal oxidative stress and inflammation. Nanoscale, 2018, 10, 1957-1969.	5.6	32
18	Cyclobutane Scaffold in Bolaamphiphiles: Effect of Diastereoisomerism and Regiochemistry on Their Surface Activity Aggregate Structure. Langmuir, 2018, 34, 11424-11432.	3.5	8

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19	Physico-chemical characterization of succinyl chitosan-stabilized liposomes for the oral co-delivery of quercetin and resveratrol. Carbohydrate Polymers, 2017, 157, 1853-1861.	10.2	83
20	Transfection of Antisense Oligonucleotides Mediated by Cationic Vesicles Based on Non-Ionic Surfactant and Polycations Bearing Quaternary Ammonium Moieties. International Journal of Molecular Sciences, 2017, 18, 1139.	4.1	7
21	Santosomes as natural and efficient carriers for the improvement of phycocyanin reepithelising ability in vitro and in vivo. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 103, 149-158.	4.3	20
22	Nioplexes encapsulated in supramolecular hybrid biohydrogels as versatile delivery platforms for nucleic acids. RSC Advances, 2016, 6, 39688-39699.	3.6	12
23	Effect of quercetin and resveratrol co-incorporated in liposomes against inflammatory/oxidative response associated with skin cancer. International Journal of Pharmaceutics, 2016, 513, 153-163.	5.2	115
24	New cationic vesicles prepared with double chain surfactants from arginine: Role of the hydrophobic group on the antimicrobial activity and cytotoxicity. Colloids and Surfaces B: Biointerfaces, 2016, 141, 19-27.	5.0	35
25	Supramolecular Arrangement of Molybdenum Carbonyl Metallosurfactants with CO-Releasing Properties. Organometallics, 2016, 35, 484-493.	2.3	23
26	Cross-linked chitosan/liposome hybrid system for the intestinal delivery of quercetin. Journal of Colloid and Interface Science, 2016, 461, 69-78.	9.4	108
27	Chiral Cyclobutane Î²-Amino Acid-Based Amphiphiles: Influence of Cis/Trans Stereochemistry on Condensed Phase and Monolayer Structure. Langmuir, 2016, 32, 6977-6984.	3.5	13
28	Faceted phospholipid vesicles tailored for the delivery of Santolina insularis essential oil to the skin. Colloids and Surfaces B: Biointerfaces, 2015, 132, 185-193.	5.0	35
29	Effect of fatty acids on self-assembly of soybean lecithin systems. Colloids and Surfaces B: Biointerfaces, 2015, 131, 21-28.	5.0	19
30	Catanionic vesicles and DNA complexes: a strategy towards novel gene delivery systems. RSC Advances, 2015, 5, 81168-81175.	3.6	8
31	Chiral Cyclobutane Î²-Amino Acid-Based Amphiphiles: Influence of Cis/Trans Stereochemistry on Solution Self-Aggregation and Recognition. Langmuir, 2015, 31, 9608-9618.	3.5	20
32	Niosomes based on synthetic cationic lipids for gene delivery: the influence of polar head-groups on the transfection efficiency in HEK-293, ARPE-19 and MSC-D1 cells. Organic and Biomolecular Chemistry, 2015, 13, 1068-1081.	2.8	50
33	Atomic Model and Micelle Dynamics of QS-21 Saponin. Molecules, 2014, 19, 3744-3760.	3.8	21
34	Release of DNA and surfactant from gel particles: The receptor solution effect and the dehydrationâ€“hydration aspects. Colloids and Surfaces B: Biointerfaces, 2014, 123, 279-285.	5.0	3
35	Topical Anti-Inflammatory Potential of Quercetin in Lipid-Based Nanosystems: In Vivo and In Vitro Evaluation. Pharmaceutical Research, 2014, 31, 959-968.	3.5	78
36	Complex rhamnolipid mixture characterization and its influence on DPPC bilayer organization. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 776-783.	2.6	41

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37	Gemini surfactants from natural amino acids. Advances in Colloid and Interface Science, 2014, 205, 134-155.	14.7	142
38	Characterization and stability of catanionic vesicles formed by pseudo-tetraalkyl surfactant mixtures. Soft Matter, 2014, 10, 9657-9667.	2.7	21
39	The nanostructure of surfactantâ€“DNA complexes with different arrangements. Colloids and Surfaces B: Biointerfaces, 2013, 111, 663-671.	5.0	12
40	The production and physicochemical properties of a biosurfactant mixture obtained from Sphingobacterium detergens. Journal of Colloid and Interface Science, 2013, 394, 368-379.	9.4	19
41	Mixed Monolayer of DPPC and Lysine-Based Cationic Surfactants: An Investigation into the Antimicrobial Activity. Langmuir, 2013, 29, 7912-7921.	3.5	27
42	New chiral polyfunctional cyclobutane derivatives from (â^')-verbenone: possible surfactant behaviour. Tetrahedron: Asymmetry, 2013, 24, 713-718.	1.8	3
43	Peptide nanofibres as molecular transporters: from self-assembly to in vivo degradation. Faraday Discussions, 2013, 166, 181.	3.2	15
44	Structure and Phase Equilibria of the Soybean Lecithin/PEG 40 Monostearate/Water System. Langmuir, 2013, 29, 14369-14379.	3.5	15
45	Extraction, Purification and Nanoformulation of Natural Phycocyanin (from <I>Klamath</I>) Tj ETQq1 1 0.784314 rgBT /Ov Nanotechnology, 2013, 9, 1929-1938.	1.1	19
46	Surface activity and aggregation of pristine and hydrophobically modified inulin. Soft Matter, 2012, 8, 11353.	2.7	14
47	Protein-covered silica nano-particles adsorbing onto synthetic vesicles. Soft Matter, 2012, 8, 1361-1368.	2.7	4
48	A Unique Bicellar Nanosystem Combining Two Effects on Stratum Corneum Lipids. Molecular Pharmaceutics, 2012, 9, 482-491.	4.6	16
49	Bicellar systems to modify the phase behaviour of skin stratum corneum lipids. Physical Chemistry Chemical Physics, 2012, 14, 14523.	2.8	23
50	Self Assembly of pH-Sensitive Cationic Lysine Based Surfactants. Langmuir, 2012, 28, 16761-16771.	3.5	34
51	Amino Acids as Raw Material for Biocompatible Surfactants. Industrial & Engineering Chemistry Research, 2011, 50, 4805-4817.	3.7	135
52	Diacyl glycerol arginine-based surfactants: biological and physicochemical properties of catanionic formulations. Amino Acids, 2011, 40, 721-729.	2.7	28
53	Arginine diacyl-glycerolipid conjugates as multifunctional biocompatible surfactants. Comptes Rendus Chimie, 2011, 14, 726-735.	0.5	10
54	Isolation and partial characterization of a biosurfactant mixture produced by Sphingobacterium sp. isolated from soil. Journal of Colloid and Interface Science, 2011, 361, 195-204.	9.4	39

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55	Dynamic Properties of Cationic Diacyl-Glycerol-Arginine-Based Surfactant/Phospholipid Mixtures at the Air/Water Interface. Langmuir, 2010, 26, 2559-2566.	3.5	9
56	Biocompatible surfactants from renewable hydrophiles. European Journal of Lipid Science and Technology, 2010, 112, 110-121.	1.5	52
57	Headgroup Effects on the Unusual Lamellarâ^'Lamellar Coexistence and Vesicle-to-Micelle Transition of Salt-Free Catanionic Amphiphiles. Langmuir, 2010, 26, 3058-3066.	3.5	39
58	Application of Bicellar Systems on Skin: Diffusion and Molecular Organization Effects. Langmuir, 2010, 26, 10578-10584.	3.5	34
59	Structure of Aggregates in Diluted Aqueous Octyl Glucoside/Tetraethylene Glycol Monododecyl Ether Mixtures with Different Alkanols. Langmuir, 2010, 26, 2256-2262.	3.5	8
60	Novel Biocompatible DNA Gel Particles. Langmuir, 2010, 26, 10606-10613.	3.5	22
61	Surface tension and adsorption behavior of mixtures of diacyl glycerol arginine-based surfactants with DPPC and DMPC phospholipids. Colloids and Surfaces B: Biointerfaces, 2009, 74, 67-74.	5.0	10
62	Cationic surfactants from lysine: Synthesis, micellization and biological evaluation. European Journal of Medicinal Chemistry, 2009, 44, 1884-1892.	5.5	113
63	Catanionic Vesicles Formed with Arginine-Based Surfactants and 1,2-Dipalmitoyl-sn-glycero-3-phosphate Monosodium Salt. Journal of Physical Chemistry B, 2009, 113, 6321-6327.	2.6	30
64	Lysineâ^'Bisglycidol Conjugates as Novel Lysine Cationic Surfactants. Langmuir, 2009, 25, 7803-7814.	3.5	19
65	Conformational Changes in Stratum Corneum Lipids by Effect of Bicellar Systems. Langmuir, 2009, 25, 10595-10603.	3.5	43
66	Adsorption of polyphenols in wastewater by organo-bentonites. Applied Clay Science, 2009, 44, 151-155.	5.2	44
67	Lamellar rearrangement of internal lipids from human hair. Chemistry and Physics of Lipids, 2008, 155, 1-6.	3.2	21
68	Interaction studies of diacyl glycerol arginine-based surfactants with DPPC and DMPC monolayers, relation with antimicrobial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 196-203.	4.7	28
69	A Fourier transform infra-red spectroscopic study of wool subjected to permonosulphuric acid treatments. Coloration Technology, 2008, 107, 410-414.	0.1	9
70	Penetration and Growth of DPPC/DHPC Bicelles Inside the Stratum Corneum of the Skin. Langmuir, 2008, 24, 5700-5706.	3.5	42
71	Gemini Surfactant Binding onto Hydrophobically Modified Silica Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 12142-12148.	3.1	6
72	Aggregation Properties of Diacyl Lysine Surfactant Compounds: Hydrophobic Chain Length and Counterion Effect. Journal of Physical Chemistry B, 2008, 112, 8578-8585.	2.6	18

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73	Structure/Property Relationships for the Thermotropic Behavior of Lysine-Based Amphiphiles: from Hexagonal to Smectic Phases. Journal of Physical Chemistry B, 2008, 112, 14877-14887.	2.6	19
74	Investigation of the Micellization Process of Single and Gemini Surfactants from Arginine by SAXS, NMR Self-Diffusion, and Light Scattering. Journal of Physical Chemistry B, 2007, 111, 11379-11387.	2.6	52
75	Influence of water in the lamellar rearrangement of internal wool lipids. Colloids and Surfaces B: Biointerfaces, 2007, 60, 89-94.	5.0	7
76	Effect of Sodium Dodecyl Sulfate at Different Hydration Conditions on Dioleoyl Phosphatidylcholine Bilayers Studied by Grazing Incidence X-ray Diffraction. Langmuir, 2006, 22, 5256-5260.	3.5	15
77	Study and formation of vesicle systems with low polydispersity index by ultrasound method. Chemistry and Physics of Lipids, 2006, 140, 88-97.	3.2	92
78	The Effect of Molecular Shape on the Thermotropic Liquid Crystal Behavior of Monolauroylated Amino Acid Glyceride Conjugates. Journal of Physical Chemistry B, 2005, 109, 22899-22908.	2.6	11
79	Flow Properties of Multilamellar Droplets in AOT/Brine/Glycerol Mixtures. Journal of the Physical Society of Japan, 2004, 73, 2449-2452.	1.6	4
80	Enzymatic synthesis and physicochemical characterization of glycero arginine-based surfactants. Comptes Rendus Chimie, 2004, 7, 169-176.	0.5	15
81	A synthetic alternative to natural lecithins with antimicrobial properties. Colloids and Surfaces B: Biointerfaces, 2004, 35, 235-242.	5.0	28
82	Effect of the Electrostatic Charge on the Mechanism Inducing Liposome Solubilization:Â A Kinetic Study by Synchrotron Radiation SAXS. Langmuir, 2004, 20, 3074-3079.	3.5	25
83	Unconventional vesicle-to-ribbon transition behaviour of diacyl glycerol amino acid based surfactants in extremely diluted systems induced by pH-concentration effects. Physical Chemistry Chemical Physics, 2004, 6, 1475-1481.	2.8	42
84	Investigation of the Thermotropic Behavior of Isomer Mixtures of Diacyl Arginine-Based Surfactants. Comparison of Polarized Light Microscopy, DSC, and SAXS Observations. Journal of Physical Chemistry B, 2004, 108, 11080-11088.	2.6	12
85	Formation and properties of miniemulsions formed by microemulsions dilution. Advances in Colloid and Interface Science, 2003, 106, 129-146.	14.7	73
86	How do closed-compact multi-lamellar droplets form under shear flow? A possible mechanism. Europhysics Letters, 2003, 61, 275-281.	2.0	16
87	Characterization of Microemulsions Formed in a Water/ABA Block Copolymer [Poly(hydroxystearic) Tj ETQq1 1 0.784314 rgBT /Overl Langmuir, 2002, 18, 5673-5680.	3.5	12
88	Phase Behavior and Formation of Microemulsions in Water/Aâ^'Bâ^'A Block Copolymer (Polyhydroxystearic Acidâ^'Polyetylene Oxideâ^'Polyhydroxystearic Acid)/1,2-Alkanediol/Isopropyl Myristate Systems. Langmuir, 2002, 18, 1077-1081.	3.5	9
89	Supramolecular Properties of the Proline-Rich Î³-Zein N-Terminal Domain. Biophysical Journal, 2002, 83, 1194-1204.	0.5	50
90	Use of Synchrotron Radiation SAXS to Study the First Steps of the Interaction between Sodium Dodecyl Sulfate and Charged Liposomes. Spectroscopy, 2002, 16, 343-350.	0.8	10

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91	Effect of pH on Mandelic Acid Diffusion in Water in Oil Highly Concentrated Emulsions (Gel-Emulsions). Langmuir, 2000, 16, 1668-1674.	3.5	19
92	Use of a Dynamic Light Scattering Technique To Study the Kinetics of Liposome Solubilization By Triton X-100â€–. Langmuir, 1999, 15, 4678-4681.	3.5	26
93	Structure Determination of a Highly Concentrated W/O Emulsion Using Pulsed-Field-Gradient Spinâ^'Echo Nuclear Magnetic Resonance â€œDiffusion Diffractogramsâ€• Langmuir, 1999, 15, 988-991.	3.5	31
94	Study of nonionic surfactant polarity by high-performance liquid chromatography. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 137, 287-293.	4.7	8
95	Kinetic study of keratin cystine reduction in W/O microemulsion media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 143, 103-110.	4.7	5
96	Diffraction-like effects in a highly concentrated w/o emulsion: a PFG NMR study. Magnetic Resonance Imaging, 1998, 16, 643-646.	1.8	20
97	Kinetic Studies of Liposome Solubilization by Sodium Dodecyl Sulfate Based on a Dynamic Light Scattering Technique. Langmuir, 1998, 14, 4671-4674.	3.5	36
98	Hydrophilic Model Drug Delivery from Concentrated Reverse Emulsions. Langmuir, 1998, 14, 6840-6845.	3.5	20
99	Diffusion from Hydrogenated and Fluorinated Gelâ^'Emulsion Mixtures. Langmuir, 1998, 14, 1580-1585.	3.5	20
100	Investigations of the Interaction Between Suspensions and Emulsions (Suspoemulsions). , 1998, , 247-256.		8
101	Influence of Composition Variables on the Molecular Diffusion from Highly Concentrated Water-in-Oil Emulsions (Gelâ'Emulsions). Langmuir, 1997, 13, 385-390.	3.5	30
102	Investigation of the interactions in emulsions stabilized by a polymeric surfactant and its mixtures with an anionic surfactant. Colloid and Polymer Science, 1997, 275, 769-776.	2.1	30
103	Preparation of monodisperse silica particles in emulsion media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 123-124, 575-586.	4.7	28
104	Keratin cystine reactivity in microemulsion media: influence of cosurfactant chain length. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 119, 155-162.	4.7	9
105	Investigation of the Interaction between Emulsions and Suspensions (Suspoemulsions) Using Viscoelastic Measurements. The Journal of Physical Chemistry, 1995, 99, 12624-12630.	2.9	34
106	Rheological Behavior of Highly Concentrated Oil-in-Water (o/w) Emulsions. Langmuir, 1995, 11, 1966-1971.	3.5	60
107	Novel preparation methods for highly concentrated water-in-oil emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 91, 259-266.	4.7	60
108	Structural studies on gel emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 76, 171-177.	4.7	41

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109	Studies on macro- and microstructures of highly concentrated water-in-oil emulsions (gel) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.5	91
110	Viscoelastic properties of gel-emulsions: their relationship with structure and equilibrium properties. The Journal of Physical Chemistry, 1993, 97, 12320-12324.	2.9	59
111	Stability and rheological properties of gel emulsions. , 1992, , 110-113.		31
112	Influence of sodium sulfate or sodium sulfite on the solubilization of benzylalcohol in cationic micellar solutions. Colloid and Polymer Science, 1991, 269, 62-69.	2.1	5