Veronique Rosilio

List of Publications by Year
in descending order

104 papers	3,274 citations	147801 31 h-index	168389 53 g-index
107 all docs	107 docs citations	107 times ranked	4202 citing authors

#	Article	IF	Citations
1	Proteins, polysaccharides, and their complexes used as stabilizers for emulsions: Alternatives to synthetic surfactants in the pharmaceutical field?. International Journal of Pharmaceutics, 2012, 436, 359-378.	5.2	418
2	Squalenoyl Nanomedicines as Potential Therapeutics. Nano Letters, 2006, 6, 2544-2548.	9.1	281
3	New self-assembled nanogels based on hostâ€"guest interactions: Characterization and drug loading. Journal of Controlled Release, 2006, 111, 316-324.	9.9	142
4	Stabilization mechanism of oil-in-water emulsions by Î²-lactoglobulin and gum arabic. Journal of Colloid and Interface Science, 2011, 354, 467-477.	9.4	117
5	Spontaneous association of hydrophobized dextran and poly-Î²-cyclodextrin into nanoassemblies.. Journal of Colloid and Interface Science, 2007, 307, 83-93.	9.4	84
6	Penetration of Glucose Oxidase into Organized Phospholipid Monolayers Spread at the Solution/Air Interface. Langmuir, 1997, 13, 4669-4675.	3.5	80
7	Insulin-loaded W/O/W multiple emulsions: comparison of the performances of systems prepared with medium-chain-triglycerides and fish oil. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 58, 477-482.	4.3	73
8	Interest of glycolipids in drug delivery: from physicochemical properties to drug targeting. Expert Opinion on Drug Delivery, 2010, 7, 1031-1048.	5.0	68
9	Surfactant dependent morphology of polymeric capsules of perfluorooctyl bromide: Influence of polymer adsorption at the dichloromethaneâ€"water interface. Journal of Colloid and Interface Science, 2008, 326, 66-71.	9.4	66
10	New strategy for targeting of photosensitizers. Synthesis of glycodendrimeric phenylporphyrins, incorporation into a liposome membrane and interaction with a specific lectin. Chemical Communications, 2009, , 224-226.	4.1	58
11	Î²-Lactoglobulin, gum arabic, and xanthan gum for emulsifying sweet almond oil: Formulation and stabilization mechanisms of pharmaceutical emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 77-87.	4.7	53
12	Aggregation of hydrophobically modified polysaccharides in solution and at the airâ€"water interface. Journal of Colloid and Interface Science, 2005, 281, 316-324.	9.4	46
13	Biomimetic liposomes and planar supported bilayers for the assessment of glycodendrimeric porphyrins interaction with an immobilized lectin. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 656-666.	2.6	46
14	Tuning microcapsules surface morphology using blends of homo- and copolymers of PLGA and PLGA-PEG. Soft Matter, 2009, 5, 3054.	2.7	45
15	Tumor targeting in photodynamic therapy. From glycoconjugated photosensitizers to glycodendrimeric one. Concept, design and properties. Organic and Biomolecular Chemistry, 2012, 10, 4485.	2.8	44
16	The distribution and relative hydrolysis of tocopheryl acetate in the different matrices coexisting in the lumen of the small intestine during digestion could explain its low bioavailability. Molecular Nutrition and Food Research, 2013, 57, 1237-1245.	3.3	44
17	Adsorption of Hydrophobized Glucose Oxidase at Solution/Air Interface. Journal of Colloid and Interface Science, 1997, 190, 313-317.	9.4	42
18	A comparison of plasma and electron beam-sterilization of PU catheters. Radiation Physics and Chemistry, 2010, 79, 93-103.	2.8	40

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19	Self-Assembly of Squalene-Based Nucleolipids: Relating the Chemical Structure of the Bioconjugates to the Architecture of the Nanoparticles. Langmuir, 2013, 29, 14795-14803.	3.5	40
20	Structural Properties of POPC Monolayers under Lateral Compression: Computer Simulations Analysis. Langmuir, 2014, 30, 564-573.	3.5	39
21	A physicochemical study of the morphology of progesterone-loaded microspheres fabricated from poly(D,L-lactide-co-glycolide). Journal of Biomedical Materials Research Part B, 1991, 25, 667-682.	3.1	38
22	pH-Sensitive liposomes as a carrier for oligonucleotides: a physico-chemical study of the interaction between DOPE and a 15-mer oligonucleotide in excess water. Biophysical Chemistry, 2000, 87, 127-137.	2.8	38
23	Meso-tetraphenyl porphyrin derivatives: The effect of structural modifications on binding to DMPC liposomes and albumin. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 217, 10-21.	3.9	38
24	Evaluation of the Specific Interactions between Glycodendrimeric Porphyrins, Free or Incorporated into Liposomes, and Concanavaline A by Fluorescence Spectroscopy, Surface Pressure, and QCM-D Measurements. Langmuir, 2010, 26, 12761-12768.	3.5	35
25	Interaction of Self-Assembled Squalenoyl Gemcitabine Nanoparticles with Phospholipidâ˜'Cholesterol Monolayers Mimicking a Biomembrane. Langmuir, 2011, 27, 4891-4899.	3.5	35
26	Enhancement of the Solubility and Efficacy of Poorly Water-Soluble Drugs by Hydrophobically-Modified Polysaccharide Derivatives. Pharmaceutical Research, 2007, 24, 2317-2326.	3.5	34
27	Disruption of Asymmetric Lipid Bilayer Models Mimicking the Outer Membrane of Gram-Negative Bacteria by an Active Plasticin. Langmuir, 2017, 33, 11028-11039.	3.5	34
28	Bare and Sterically Stabilized PLGA Nanoparticles for the Stabilization of Pickering Emulsions. Langmuir, 2018, 34, 13935-13945.	3.5	34
29	Photo-triggerable liposomal drug delivery systems: from simple porphyrin insertion in the lipid bilayer towards supramolecular assemblies of lipidâ€"porphyrin conjugates. Journal of Materials Chemistry B, 2019, 7, 1805-1823.	5.8	34
30	Porphyrin-lipid stabilized paclitaxel nanoemulsion for combined photodynamic therapy and chemotherapy. Journal of Nanobiotechnology, 2021, 19, 154.	9.1	34
31	Assessment of oil polarity: Comparison of evaluation methods. International Journal of Pharmaceutics, 2008, 348, 89-94.	5.2	32
32	Cholesteryl-pullulan and cholesteryl-amylopectin interactions with egg phosphatidylcholine monolayers. Journal of Colloid and Interface Science, 1991, 145, 502-511.	9.4	31
33	Incorporation of Glycoconjugated Porphyrin Derivatives into Phospholipid Monolayers: A Screening Method for the Evaluation of Their Interaction with a Cell Membrane. Langmuir, 2004, 20, 11698-11705.	3.5	31
34	Surface Properties and Miscibility of Monolayers of Dimyristoylphosphatidylcholine and Poly(Ethylene oxide) Lipids at the Water/Air Interface. Langmuir, 1996, 12, 2544-2550.	3.5	30
35	Specific interaction of lectins with liposomes and monolayers bearing neoglycolipids. Chemistry and Physics of Lipids, 2003, 125, 147-159.	3.2	30
36	Adsorption of Glucose Oxidase into Lipid Monolayers. Effect of Lipid Chain Lengths on the Stability and Structure of Mixed Enzyme/Phospholipid Films. Langmuir, 2000, 16, 1226-1232.	3.5	29

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37	Impact of lipid composition and photosensitizer hydrophobicity on the efficiency of light-triggered liposomal release. Physical Chemistry Chemical Physics, 2017, 19, 11460-11473.	2.8	29
38	Surface properties of hydrophobically modified carboxymethylcellulose derivatives. Effect of salt and proteins. Colloids and Surfaces B: Biointerfaces, 2000, 19, 163-172.	5.0	28
39	Effect of Cholesterol and Sugar on the Penetration of Glycodendrimeric Phenylporphyrins into Biomimetic Models of Retinoblastoma Cells Membranes. Langmuir, 2010, 26, 11145-11156.	3.5	27
40	Scale-up of Nanoemulsion Produced by Emulsification and Solvent Diffusion. Journal of Pharmaceutical Sciences, 2012, 101, 4240-4247.	3.3	27
41	Hybrid Lipid Polymer Nanoparticles for Combined Chemo- and Photodynamic Therapy. Molecular Pharmaceutics, 2019, 16, 4045-4058.	4.6	27
42	Capillary zone electrophoresis-native mass spectrometry for the quality control of intact therapeutic monoclonal antibodies. Journal of Chromatography A, 2019, 1601, 375-384.	3.7	27
43	Newly Synthesized Lipidâ€"Porphyrin Conjugates: Evaluation of Their Selfâ€Assembling Properties, Their Miscibility with Phospholipids and Their Photodynamic Activity In Vitro. Chemistry - A European Journal, 2018, 24, 19179-19194.	3.3	26
44	Behavior of amphiphilic neoglycolipids at the air/solution interface. Colloids and Surfaces B: Biointerfaces, 1998, 11, 239-248.	5.0	25
45	Factors influencing the oligonucleotides release from Oâ€"W submicron cationic emulsions. Journal of Controlled Release, 2001, 70, 243-255.	9.9	25
46	Influence of clay addition on the properties of olive oil in water emulsions. Applied Clay Science, 2009, 43, 383-391.	5.2	25
47	The bacterial cell envelope as delimiter of anti-infective bioavailability â€" An in vitro permeation model of the Gram-negative bacterial inner membrane. Journal of Controlled Release, 2016, 243, 214-224.	9.9	25
48	Effect of high pressure homogenization on the structure and the interfacial and emulsifying properties of Î²-lactoglobulin. International Journal of Pharmaceutics, 2018, 537, 111-121.	5.2	23
49	Polysaccharides at interfaces 1. Adsorption of cholesteryl-pullulan derivatives at the solution-air interface. Kinetic study by surface tension measurements. Colloids and Surfaces B: Biointerfaces, 1995, 4, 357-365.	5.0	22
50	Penetration of Glucose Oxidase and of the Hydrophobically Modified Enzyme into Phospholipid and Cholesterol Monolayers. Journal of Colloid and Interface Science, 1999, 209, 302-311.	9.4	22
51	Chemically Modified Glucose Oxidase with Enhanced Hydrophobicity: Adsorption at Polystyrene, Silica, and Silica Coated by Lipid Monolayers. Journal of Colloid and Interface Science, 1999, 218, 300-308.	9.4	22
52	Influence of alkyl chains length on the conformation and solubilization properties of amphiphilic carboxymethylpullulans. Colloid and Polymer Science, 2008, 286, 1299-1305.	2.1	22
53	New bicompartmental structures are observed when stearylamine is mixed with triglyceride emulsions. Pharmaceutical Research, 2000, 17, 1329-1332.	3.5	21
54	Characterization of oligonucleotide/lipid interactions in submicron cationic emulsions: influence of the cationic lipid structure and the presence of PEG-lipids. Biophysical Chemistry, 2001, 92, 169-181.	2.8	21

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55	Physicochemical Characterization of Molecular Assemblies of Miltefosine and Amphotericin B. Molecular Pharmaceutics, 2007, 4, 281-288.	4.6	21
56	Self-Assembly of Polyisoprenoyl Gemcitabine Conjugates: Influence of Supramolecular Organization on Their Biological Activity. Langmuir, 2014, 30, 6348-6357.	3.5	21
57	Molecular dynamics simulation of a mixed lipid emulsion model: Influence of the triglycerides on interfacial phospholipid organization. Computational and Theoretical Chemistry, 2009, 901, 174-185.	1.5	20
58	Fucosyled neoglycolipids: synthesis and interaction with a phospholipid. Chemistry and Physics of Lipids, 2001, 109, 91-101.	3.2	19
59	Improved formulation of W/O/W multiple emulsion for insulin encapsulation. Influence of the chemical structure of insulin. Colloid and Polymer Science, 2004, 282, 562-568.	2.1	19
60	Influence of a Neoglycolipid and Its PEOâ˘Lipid Moiety on the Organization of Phospholipid Monolayers. Langmuir, 2005, 21, 11941-11948.	3.5	19
61	Aging of a medical device surface following cold plasma treatment: Influence of low molecular weight compounds on surface recovery. European Polymer Journal, 2011, 47, 2403-2413.	5.4	18
62	A Multiscale Approach to Assess the Complex Surface of Polyurethane Catheters and the Effects of a New Plasma Decontamination Treatment on the Surface Properties. Microscopy and Microanalysis, 2010, 16, 764-778.	0.4	17
63	Comparison of the Micellar Incorporation and the Intestinal Cell Uptake of Cholecalciferol, 25-Hydroxycholecalciferol and 1-Î±-Hydroxycholecalciferol. Nutrients, 2017, 9, 1152.	4.1	17
64	Physico-chemical characterization of ethylcellulose drug-loaded cast films. Journal of Controlled Release, 1988, 7, 171-180.	9.9	16
65	Adsorption of glucose oxidase into lipid monolayers: effect of a lipid headgroup charge. Colloids and Surfaces B: Biointerfaces, 2003, 29, 13-20.	5.0	16
66	Charge and aggregation pattern govern the interaction of plasticins with LPS monolayers mimicking the external leaflet of the outer membrane of Gram-negative bacteria. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2967-2979.	2.6	16
67	Physical aging of progesterone-loaded poly(D,L,-lactide-co-glycolide) microspheres. Pharmaceutical Research, 1998, 15, 794-798.	3.5	15
68	WETTABILITY OF DRUG LOADED POLYMER MATRICES. Journal of Dispersion Science and Technology, 1998, 19, 821-841.	2.4	15
69	Definition of an Uptake Pharmacophore of the Serotonin Transporter Through 3D-QSAR Analysis. Current Medicinal Chemistry, 2005, 12, 2393-2410.	2.4	14
70	Rheological studies in the bulk and at the interface of Pickering oil/water emulsions. Rheologica Acta, 2010, 49, 961-969.	2.4	14
71	Assessment of the relevance of supported planar bilayers for modeling specific interactions between glycodendrimeric porphyrins and retinoblastoma cells. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2831-2838.	2.6	14
72	Artificial plasma membrane models based on lipidomic profiling. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2725-2736.	2.6	12

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73	How Can Artificial Lipid Models Mimic the Complexity of Moleculeâ€"Membrane Interactions?. Advances in Biomembranes and Lipid Self-Assembly, 2018, , 107-146.	0.6	12
74	Polysaccharides at interfaces 2. Surface potential of adsorbed cholesteryl-pullulan monolayers at the solution-air interface. Colloids and Surfaces B: Biointerfaces, 1995, 4, 367-373.	5.0	10
75	Ligand interaction with the purified serotonin transporter in solution and at the air/water interface. FEBS Letters, 2000, 471, 56-60.	2.8	10
76	Influence of the nanoprecipitation conditions on the supramolecular structure of squalenoyled nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 89-95.	4.3	10
77	The Effect of Polysaccharide Adsorption on Surface Potential of Phospholipid Monolayers Spread at Waterâ€"Air Interface. Chemistry Letters, 1990, 19, 299-302.	1.3	8
78	Molecular organization of the human serotonin transporter at the air/water interface. FEBS Letters, 2001, 492, 14-19.	2.8	8
79	Interaction of Bauhinia monandra lectin (BmoLL) with lipid monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 250, 491-497.	4.7	8
80	Formation and stabilization of multiple w/o/w emulsions encapsulating catechin, by mechanical and microfluidic methods using a single pH-sensitive copolymer: Effect of copolymer/drug interaction. International Journal of Pharmaceutics, 2022, 622, 121871.	5.2	8
81	Monolayers of Poly(ethylene oxide)-Bearing Lipids at Air-Water Interface. Chemistry Letters, 1996, 25, 657-658.	1.3	7
82	iGUVs: Preparing Giant Unilamellar Vesicles with a Smartphone and Lipids Easily Extracted from Chicken Eggs. Journal of Chemical Education, 2017, 94, 644-649.	2.3	7
83	Interfacial behavior of PEGylated lipids and their effect on the stability of squalenoyl-drug nanoassemblies. International Journal of Pharmaceutics, 2014, 471, 75-82.	5.2	6
84	Molecular interactions governing the incorporation of cholecalciferol and retinyl-palmitate in mixed taurocholate-lipid micelles. Food Chemistry, 2018, 250, 221-229.	8.2	6
85	Assessment of various formulation approaches for the application of beta-lapachone in prostate cancer therapy. International Journal of Pharmaceutics, 2020, 579, 119168.	5.2	6
86	Influence of the porphyrin structure and linker length on the interfacial behavior of phospholipid-porphyrin conjugates. Journal of Colloid and Interface Science, 2022, 611, 441-450.	9.4	6
87	Novel liposome-like assemblies composed of phospholipid-porphyrin conjugates with photothermal and photodynamic activities against bacterial biofilms. International Journal of Pharmaceutics, 2022, 623, 121915.	5.2	6
88	Deciphering the Peculiar Behavior of Î²-Lapachone in Lipid Monolayers and Bilayers. Langmuir, 2019, 35, 14603-14615.	3.5	5
89	Specific interactions between the human serotonin transporter and serotonin analogs at the solution/air interface. Colloids and Surfaces B: Biointerfaces, 1997, 9, 197-203.	5.0	4
90	Thermodynamic investigation of mixed monolayers of trans-dehydrocrotonin and phospholipids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 358, 42-49.	4.7	4

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91	Photobiology and Photochemistry Hand-in-Hand in Targeted Antitumoral Therapies. , 2016, , 171-356.		4
92	Phospholipidâ€"porphyrin conjugates: deciphering the driving forces behind their supramolecular assemblies. Nanoscale, 2022, 14, 7387-7407.	5.6	4
93	Thermal Behavior of Hydrated Dimyristoylphosphatidylcholine/Cholesteryl-Pullulan Mixtures. Journal of Colloid and Interface Science, 1994, 162, 418-424.	9.4	3
94	Liposomes bearing platelet proteins: a model for surface functions studies. Lipids and Lipid Metabolism, 1996, 1302, 241-248.	2.6	3
95	Amphiphilic Glycoconjugated Porphyrin Heterodimers as Twoâ€Photon Excitable Photosensitizers: Design, Synthesis, Photophysical and Photobiological Studies. ChemistrySelect, 2018, 3, 1887-1897.	1.5	3
96	Retinoblastoma membrane models and their interactions with porphyrin photosensitisers: An infrared microspectroscopy study. Chemistry and Physics of Lipids, 2018, 215, 34-45.	3.2	3
97	Relevance of charges and polymer mechanical stiffness in the mechanism and kinetics of formation of liponanoparticles probed by the supported bilayer model approach. Physical Chemistry Chemical Physics, 2019, 21, 4306-4319.	2.8	3
98	Synthesis and supramolecular arrangement of new stearoyl acid-based phenalenone derivatives. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 612, 125988.	4.7	3
99	Reply to â€œComment on â€˜Structural Properties of POPC Monolayers under Lateral Compression: Computer Simulations Analysisâ€™â€. Langmuir, 2015, 31, 888-889.	3.5	2
100	Assessment of first-rate adsorption constants of platelet membrane proteins bearing liposomes by surface tension measurements. Colloids and Surfaces B: Biointerfaces, 1999, 15, 195-201.	5.0	1
101	Surface Pressure Analysis of Poly(ethylene oxide)-Modified Fusogenic Liposomes Incorporated into a Phospholipid Monolayer. Journal of Bioactive and Compatible Polymers, 2007, 22, 5-18.	2.1	1
102	Study of Surface Charge Instabilities by EOF Measurements on a Chip: A Real-Time Hysteresis and Peptide Adsorption Based Methodology. Langmuir, 2015, 31, 10318-10325.	3.5	1
103	Frontispiece: Newly Synthesized Lipidâ€"Porphyrin Conjugates: Evaluation of Their Selfâ€Assembling Properties, Their Miscibility with Phospholipids and Their Photodynamic Activity In Vitro. Chemistry - A European Journal, 2018, 24, .	3.3	1
104	Mannose distribution in glycoconjugated tetraphenylporphyrins governs their uptake mechanism and phototoxicity. Journal of Porphyrins and Phthalocyanines, 2019, 23, 175-184.	0.8	1