

Joan Estelrich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3052952/publications.pdf>

Version: 2024-02-01

111
papers

4,553
citations

101543

36
h-index

114465

63
g-index

112
all docs

112
docs citations

112
times ranked

7289
citing authors

#	ARTICLE	IF	CITATIONS
1	Prussian Blue: A Safe Pigment with Zeolitic-Like Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 780.	4.1	29
2	Prussian Blue: A Nanozyme with Versatile Catalytic Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5993.	4.1	52
3	Dual Effect of Prussian Blue Nanoparticles on A β 40 Aggregation: β -Sheet Fibril Reduction and Copper Dyshomeostasis Regulation. <i>Biomacromolecules</i> , 2021, 22, 430-440.	5.4	11
4	Superparamagnetic Nanoparticles with Efficient Near-Infrared Photothermal Effect at the Second Biological Window. <i>Molecules</i> , 2020, 25, 5315.	3.8	7
5	Prussian blue nanoparticles: synthesis, surface modification, and biomedical applications. <i>Drug Discovery Today</i> , 2020, 25, 1431-1443.	6.4	80
6	Flash tooth whitening: A friendly formulation based on a nanoencapsulated reductant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111241.	5.0	7
7	Facile Synthesis of Novel Prussian Blue-Lipid Nanocomplexes. <i>Molecules</i> , 2019, 24, 4137.	3.8	10
8	Bacterial Inclusion Bodies for Anti-Amyloid Drug Discovery: Current and Future Screening Methods. <i>Current Protein and Peptide Science</i> , 2019, 20, 563-576.	1.4	7
9	Iron Oxide Nanoparticles in Photothermal Therapy. <i>Molecules</i> , 2018, 23, 1567.	3.8	222
10	Combined in Vitro Cell-Based/in Silico Screening of Naturally Occurring Flavonoids and Phenolic Compounds as Potential Anti-Alzheimer Drugs. <i>Journal of Natural Products</i> , 2017, 80, 278-289.	3.0	68
11	Reversible and irreversible aggregation of magnetic liposomes. <i>Nanoscale</i> , 2017, 9, 15131-15143.	5.6	9
12	Effect of PEGylation on Ligand-Targeted Magnetoliposomes: A Missed Goal. <i>ACS Omega</i> , 2017, 2, 6544-6555.	3.5	12
13	Magnetic Nanoemulsions: Comparison between Nanoemulsions Formed by Ultrasonication and by Spontaneous Emulsification. <i>Nanomaterials</i> , 2017, 7, 190.	4.1	30
14	Evidence of Protein Adsorption in Pegylated Liposomes: Influence of Liposomal Decoration. <i>Nanomaterials</i> , 2017, 7, 37.	4.1	19
15	Key Points Concerning Amyloid Infectivity and Prion-Like Neuronal Invasion. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 29.	2.9	19
16	Liposomes Loaded with Hydrophobic Iron Oxide Nanoparticles: Suitable T2 Contrast Agents for MRI. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1209.	4.1	47
17	Oil-in-water nanoemulsions are suitable for carrying hydrophobic compounds: Indomethacin as a model of anti-inflammatory drug. <i>International Journal of Pharmaceutics</i> , 2016, 515, 749-756.	5.2	24
18	Amyloids in solid-state nuclear magnetic resonance: potential causes of the usually low resolution. <i>International Journal of Nanomedicine</i> , 2015, 10, 6975.	6.7	5

#	ARTICLE	IF	CITATIONS
19	Magnetic Nanoparticles Cross the Blood-Brain Barrier: When Physics Rises to a Challenge. <i>Nanomaterials</i> , 2015, 5, 2231-2248.	4.1	67
20	Could α -Synuclein Amyloid-Like Aggregates Trigger a Prionic Neuronal Invasion?. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	10
21	Nanoparticles in magnetic resonance imaging: from simple to dual contrast agents. <i>International Journal of Nanomedicine</i> , 2015, 10, 1727.	6.7	378
22	Chitosan (or alginate)-coated iron oxide nanoparticles: A comparative study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 151-158.	4.7	91
23	Iron Oxide Nanoparticles for Magnetically-Guided and Magnetically-Responsive Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2015, 16, 8070-8101.	4.1	367
24	Predicting the aggregation propensity of prion sequences. <i>Virus Research</i> , 2015, 207, 127-135.	2.2	7
25	Potential applications of magnetic particles to detect and treat Alzheimer's disease. <i>Nanoscale Research Letters</i> , 2014, 9, 538.	5.7	53
26	Formation and characterization of biobased magnetic nanoparticles double coated with dextran and chitosan by layer-by-layer deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 450, 121-129.	4.7	25
27	Review of drug stability in parenteral nutrition admixtures. <i>E-SPEN Journal</i> , 2013, 8, e135-e140.	0.5	12
28	Effect of the Phospholipid Chain Length and Head Group on Beta-Phase Formation of Poly(9,9-dioctylfluorene) Enclosed in Liposomes. <i>Photochemistry and Photobiology</i> , 2013, 89, 1471-1478.	2.5	2
29	Ferrofluid based on polyethylene glycol-coated iron oxide nanoparticles: Characterization and properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 420, 74-81.	4.7	98
30	External magnetic field-induced selective biodistribution of magnetoliposomes in mice. <i>Nanoscale Research Letters</i> , 2012, 7, 452.	5.7	30
31	Liposomes bearing fibrinogen could potentially interfere with platelet interaction and procoagulant activity. <i>International Journal of Nanomedicine</i> , 2012, 7, 2339.	6.7	2
32	IMPROVED THERMAL ABLATION EFFICACY USING MAGNETIC NANOPARTICLES: A STUDY IN TUMOR PHANTOMS. <i>Progress in Electromagnetics Research</i> , 2012, 128, 229-248.	4.4	38
33	Bicelles: Lipid Nanostructured Platforms with Potential Dermal Applications. <i>Small</i> , 2012, 8, 807-818.	10.0	57
34	Effect of the surface charge of artificial model membranes on the aggregation of amyloid β -peptide. <i>Biochimie</i> , 2012, 94, 1730-1738.	2.6	40
35	Soft nanoparticles (thermo-responsive nanogels and bicelles) with biotechnological applications: from synthesis to simulation through colloidal characterization. <i>Soft Matter</i> , 2011, 7, 5067.	2.7	93
36	β -Phase Formation of Poly(9,9-dioctylfluorene) Induced by Liposome Phospholipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5794-5800.	2.6	21

#	ARTICLE	IF	CITATIONS
37	USING NANOPARTICLES FOR ENHANCING THE FOCUSING HEATING EFFECT OF AN EXTERNAL WAVEGUIDE APPLICATOR FOR ONCOLOGY HYPERTHERMIA: EVALUATION IN MUSCLE AND TUMOR PHANTOMS. <i>Progress in Electromagnetics Research</i> , 2011, 121, 343-363.	4.4	19
38	A nanovector with complete discrimination for targeted delivery to <i>Plasmodium falciparum</i> -infected versus non-infected red blood cells in vitro. <i>Journal of Controlled Release</i> , 2011, 151, 202-211.	9.9	80
39	Study of the efficacy of antimalarial drugs delivered inside targeted immunoliposomal nanovectors. <i>Nanoscale Research Letters</i> , 2011, 6, 620.	5.7	47
40	Magnetoliposomes prepared by reverse-phase followed by sequential extrusion: Characterization and possibilities in the treatment of inflammation. <i>International Journal of Pharmaceutics</i> , 2011, 405, 181-187.	5.2	26
41	Enhanced reactivity of Lys182 explains the limited efficacy of biogenic amines in preventing the inactivation of glucose-6-phosphate dehydrogenase by methylglyoxal. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1613-1622.	3.0	6
42	Study on the Correlation between Lateral Diffusion Effect and Effective Charge in Neutral Liposomes. <i>Langmuir</i> , 2010, 26, 2665-2670.	3.5	4
43	Insertion of semifluorinated diblocks on DMPC and DPPC liposomes. Influence on the gel and liquid states of the bilayer. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 388-392.	9.4	8
44	Bicosomes: Bicelles in Dilute Systems. <i>Biophysical Journal</i> , 2010, 99, 480-488.	0.5	25
45	Application of Bicellar Systems on Skin: Diffusion and Molecular Organization Effects. <i>Langmuir</i> , 2010, 26, 10578-10584.	3.5	34
46	Suspensions of repulsive colloidal particles near the glass transition: Time and frequency domain descriptions. <i>Physical Review E</i> , 2010, 82, 021406.	2.1	1
47	Liquid-glass transition in suspensions of charged liposomes. , 2009, , .		0
48	Nondiffusive Brownian motion of deformable particles: Breakdown of the "long-time tail". <i>Physical Review E</i> , 2009, 80, 021403.	2.1	4
49	Surface fractals in liposome aggregation. <i>Physical Review E</i> , 2009, 79, 011905.	2.1	16
50	Use of high-pressure freeze fixation and freeze fracture electron microscopy to study the influence of the phospholipid molar ratio in the morphology and alignment of bicelles. <i>Journal of Microscopy</i> , 2009, 233, 35-41.	1.8	11
51	Photophysical Changes of Pyranine Induced by Surfactants: Evidence of Premicellar Aggregates. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1972-1982.	2.6	45
52	Conformational Changes in Stratum Corneum Lipids by Effect of Bicellar Systems. <i>Langmuir</i> , 2009, 25, 10595-10603.	3.5	43
53	Determination of the dimerization constant of pinacyanol: Role of the thermochromic effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 471-476.	3.9	19
54	Effect of salts on the excited state of pyranine as determined by steady-state fluorescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 262-267.	3.9	18

#	ARTICLE	IF	CITATIONS
55	Preparation and characterization of extruded magnetoliposomes. <i>International Journal of Pharmaceutics</i> , 2008, 347, 156-162.	5.2	85
56	Morphological effects of ceramide on DMPC/DHPC bicelles. <i>Journal of Microscopy</i> , 2008, 230, 16-26.	1.8	20
57	Penetration and Growth of DPPC/DHPC Bicelles Inside the Stratum Corneum of the Skin. <i>Langmuir</i> , 2008, 24, 5700-5706.	3.5	42
58	Novel Donepezil-Based Inhibitors of Acetyl- and Butyrylcholinesterase and Acetylcholinesterase-Induced β -Amyloid Aggregation. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3588-3598.	6.4	186
59	Growth of lipid vesicle structures: From surface fractals to mass fractals. <i>Physical Review E</i> , 2008, 78, 010902.	2.1	23
60	Aggregation of liposomes induced by calcium: A structural and kinetic study. <i>Physical Review E</i> , 2007, 75, 021912.	2.1	20
61	Spontaneous incorporation of β -amyloid peptide into neutral liposomes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 270-271, 13-17.	4.7	20
62	Evidence of the Existence of Micelles in the Fibrillogenesis of β -Amyloid Peptide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11027-11032.	2.6	125
63	Stimulatory and Inhibitory Effects of Alkyl Bromide Surfactants on β -Amyloid Fibrillogenesis. <i>Langmuir</i> , 2005, 21, 6944-6949.	3.5	65
64	Temperature dependence of the nucleation constant rate in β amyloid fibrillogenesis. <i>International Journal of Biological Macromolecules</i> , 2005, 35, 9-13.	7.5	55
65	An autocatalytic reaction as a model for the kinetics of the aggregation of β -amyloid. <i>Biopolymers</i> , 2003, 71, 190-195.	2.4	96
66	Pinacyanol as effective probe of fibrillar β -amyloid peptide: Comparative study with Congo Red. <i>Biopolymers</i> , 2003, 72, 455-463.	2.4	31
67	Influence of the temperature in the adsorption of sodium dodecyl sulfate on phosphatidylcholine liposomes. <i>Chemistry and Physics of Lipids</i> , 2003, 124, 15-22.	3.2	11
68	Physical stability of liposomes bearing hemostatic activity. <i>Chemistry and Physics of Lipids</i> , 2003, 125, 139-146.	3.2	47
69	Atomic Force Microscopy of Liposomes Bearing Fibrinogen. <i>Bioconjugate Chemistry</i> , 2003, 14, 593-600.	3.6	20
70	Determination of Micellar Microenvironment of Pinacyanol by Visible Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4137-4142.	2.6	56
71	Disaggregating effects of ethanol at low concentration on β -poly-L-lysines. <i>International Journal of Biological Macromolecules</i> , 2003, 32, 10-16.	7.5	9
72	Liquidlike structures in dilute suspensions of charged liposomes. <i>Journal of Chemical Physics</i> , 2003, 118, 5167-5173.	3.0	19

#	ARTICLE	IF	CITATIONS
73	Interplay between hydrodynamic and direct interactions using liposomes. <i>Journal of Chemical Physics</i> , 2003, 119, 628-634.	3.0	16
74	Adsorption of Sodium Lauryl Ether Sulfate on Liposomes by Means of a Fluorescent Probe: Effect of the Ethylene Oxide Groups. <i>Langmuir</i> , 2002, 18, 8250-8254.	3.5	10
75	Aggregation characteristics of ovalbumin in β -sheet conformation determined by spectroscopy. <i>Biopolymers</i> , 2002, 67, 113-120.	2.4	10
76	Possible hemostatic effect of synthetic liposomes in experimental studies under flow conditions. <i>Haematologica</i> , 2002, 87, 615-23.	3.5	7
77	A Spectroscopy Study of the Interaction of Pinacyanol with n-dodecyltrimethylammonium Bromide Micelles. <i>Langmuir</i> , 2001, 17, 6433-6437.	3.5	71
78	Interaction of α -amylase with n-alkylammonium bromides. <i>International Journal of Biological Macromolecules</i> , 2001, 28, 151-156.	7.5	24
79	Influence of Dielectric Constant on the Spectral Behavior of Pinacyanol. A Spectrophotometric Experiment for Physical Chemistry. <i>Journal of Chemical Education</i> , 2001, 78, 243.	2.3	11
80	Location of Pinacyanol in Micellar Solutions of N-Alkyl Trimethylammonium Bromide Surfactants. <i>Journal of Colloid and Interface Science</i> , 2001, 233, 205-210.	9.4	45
81	Electrophoretic properties of dodecyltrimethylammonium bromide micelles in KBr solution. <i>Electrophoresis</i> , 2000, 21, 481-485.	2.4	29
82	Chemical degradation of liposomes by serum components detected by NMR. <i>Chemistry and Physics of Lipids</i> , 2000, 104, 133-148.	3.2	21
83	Influence of cholesterol on liposome fluidity by EPR. <i>Journal of Controlled Release</i> , 2000, 68, 85-95.	9.9	159
84	Influence of the Fluidity of Liposome Compositions on Percutaneous Absorption. <i>Drug Delivery</i> , 2000, 7, 7-13.	5.7	37
85	Kinetic and Structural Aspects of the Adsorption of Sodium Dodecyl Sulfate on Phosphatidylcholine Liposomes. <i>Langmuir</i> , 2000, 16, 4068-4071.	3.5	22
86	The Effect of Liposomes on Skin Barrier Structure. <i>Skin Pharmacology and Physiology</i> , 1999, 12, 235-246.	2.5	41
87	Transbilayer Movement of Sodium Dodecyl Sulfate in Large Unilamellar Phospholipid Vesicles. <i>Langmuir</i> , 1999, 15, 6609-6612.	3.5	18
88	Electrokinetic Study of the Sublytic Interaction of Alkyl Sulfates with Phosphatidylcholine Liposomes. <i>Langmuir</i> , 1999, 15, 2230-2233.	3.5	16
89	Influence of Size on Electrokinetic Behavior of Phosphatidylserine and Phosphatidylethanolamine Lipid Vesicles. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 512-517.	9.4	55
90	Electrophoretic Behavior of Stearylamine-Containing Liposomes. <i>Langmuir</i> , 1998, 14, 7522-7526.	3.5	18

#	ARTICLE	IF	CITATIONS
91	Bilayer Distribution of Phosphatidylserine and Phosphatidylethanolamine in Lipid Vesicles. <i>Bioconjugate Chemistry</i> , 1997, 8, 941-945.	3.6	30
92	Serum liposome interaction is an oxygen-dependent process. <i>Lipids and Lipid Metabolism</i> , 1997, 1345, 43-55.	2.6	9
93	Physicochemical properties of enrofloxacin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 1845-1849.	2.8	86
94	Determination of Polyethylene Glycol Activated with Cyanuric Chloride in Liposomes. <i>Analytical Biochemistry</i> , 1997, 253, 33-36.	2.4	10
95	Liposomes as an agrochemical tool: optimization of their production. <i>Industrial Crops and Products</i> , 1996, 5, 203-208.	5.2	17
96	Factors influencing the encapsulation of thioguanine in DRV liposomes. <i>International Journal of Pharmaceutics</i> , 1996, 143, 171-177.	5.2	10
97	Enrofloxacin Loaded Liposomes Obtained by High Speed Dispersion Method.. <i>Chemical and Pharmaceutical Bulletin</i> , 1995, 43, 983-987.	1.3	13
98	Encapsulation of thioguanine in liposomes. <i>International Journal of Pharmaceutics</i> , 1995, 124, 261-269.	5.2	19
99	Physical stability of different liposome compositions obtained by extrusion method. <i>Journal of Microencapsulation</i> , 1995, 12, 525-535.	2.8	63
100	Tautomerism of Neutral and Protonated 6-Thioguanine in the Gas Phase and in Aqueous Solution. An ab Initio Study. <i>Journal of Organic Chemistry</i> , 1995, 60, 969-976.	3.2	41
101	Design and applications of a new fluorimetric assay of thioguanine in liposomes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 1495-1499.	2.8	10
102	Liposomes obtained by the ethanol injection method. <i>International Journal of Pharmaceutics</i> , 1993, 95, 51-56.	5.2	160
103	Interaction of doxorubicin with lipid systems. <i>Bioconjugate Chemistry</i> , 1991, 2, 398-402.	3.6	10
104	Fluorescence quenching of albumin. A spectrofluorimetric experiment. <i>Biochemical Education</i> , 1990, 18, 99-101.	0.1	23
105	The action of Triton X-100 and sodium dodecyl sulphate on lipid layers. Effect on monolayers and liposomes. <i>Journal of Microencapsulation</i> , 1990, 7, 255-259.	2.8	10
106	Binding of non-steroidal anti-inflammatory drugs to human serum albumin. <i>International Journal of Pharmaceutics</i> , 1990, 62, 21-25.	5.2	21
107	Physicochemical Properties of a Human Glycoprotein Bearing Blood Group A Activity. <i>Journal of Biochemistry</i> , 1989, 106, 745-750.	1.7	3
108	Interaction of non-steroidal anti-inflammatory agents on monolayers: an approach for understanding the entrapment of drugs in liposomes. <i>Biochemical Society Transactions</i> , 1989, 17, 996-997.	3.4	1

#	ARTICLE	IF	CITATIONS
109	Ampicillin polymers: identification by gel-filtration chromatography. International Journal of Pharmaceutics, 1988, 41, 241-244.	5.2	6
110	Determination of the encapsulation efficiency in liposomes obtained by the "extruder method"™. Journal of Microencapsulation, 1987, 4, 315-320.	2.8	14
111	Measurement of a glycoprotein with blood group A activity by light scattering. Journal of Proteomics, 1987, 14, 119-126.	2.4	0