

Maria Ant²nia Busquets

List of Publications by Year in descending order

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64
papers

2,214
citations

331670

21
h-index

223800

46
g-index

64
all docs

64
docs citations

64
times ranked

4046
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticles in magnetic resonance imaging: from simple to dual contrast agents. <i>International Journal of Nanomedicine</i> , 2015, 10, 1727.	6.7	378
2	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
3	Iron Oxide Nanoparticles in Photothermal Therapy. <i>Molecules</i> , 2018, 23, 1567.	3.8	222
4	Gram-Negative Outer and Inner Membrane Models: Insertion of Cyclic Cationic Lipopeptides. <i>Journal of Physical Chemistry B</i> , 2007, 111, 551-563.	2.6	123
5	Prussian blue nanoparticles: synthesis, surface modification, and biomedical applications. <i>Drug Discovery Today</i> , 2020, 25, 1431-1443.	6.4	80
6	Immunoliposome-mediated drug delivery to Plasmodium -infected and non-infected red blood cells as a dual therapeutic/prophylactic antimalarial strategy. <i>Journal of Controlled Release</i> , 2015, 210, 217-229.	9.9	73
7	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
8	Magnetic Nanoparticles Cross the Blood-Brain Barrier: When Physics Rises to a Challenge. <i>Nanomaterials</i> , 2015, 5, 2231-2248.	4.1	67
9	Theoretical Methods for the Representation of Solvent. <i>Journal of Molecular Modeling</i> , 1996, 2, 1-15.	1.8	61
10	Prussian Blue: A Nanozyme with Versatile Catalytic Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5993.	4.1	52
11	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
12	Polymyxin B-lipid interactions in Langmuir-Blodgett monolayers of Escherichia coli lipids: A thermodynamic and atomic force microscopy study. <i>Biopolymers</i> , 2004, 75, 480-490.	2.4	35
13	Magnetic Nanoemulsions: Comparison between Nanoemulsions Formed by Ultrasonication and by Spontaneous Emulsification. <i>Nanomaterials</i> , 2017, 7, 190.	4.1	30
14	Interaction of aminoglycosides and colistin with model membranes: Liposomes and monolayers. <i>International Journal of Pharmaceutics</i> , 1993, 90, 59-71.	5.2	29
15	Prussian Blue: A Safe Pigment with Zeolitic-Like Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 780.	4.1	29
16	Study of Adsorption and Penetration of E2(279~298) Peptide into Langmuir Phospholipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23292-23299.	2.6	28
17	A Langmuir Monolayer Study of the Interaction of E1(145~162) Hepatitis G Virus Peptide with Phospholipid Membranes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 448-456.	2.6	28
18	Interaction of Opiate Molecules with Lipid Monolayers and Liposomes. <i>Journal of Pharmaceutical Sciences</i> , 1992, 81, 546-550.	3.3	25

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19	Interaction of colistin with lipids in liposomes and monolayers. <i>International Journal of Pharmaceutics</i> , 1998, 160, 99-107.	5.2	24
20	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
21	Dual responsive gelatin-based nanoparticles for enhanced 5-fluorouracil efficiency. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 646-654.	5.0	23
22	Analysis of HIV-1 fusion peptide inhibition by synthetic peptides from E1 protein of GB virus C. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 124-131.	9.4	22
23	Key Points Concerning Amyloid Infectivity and Prion-Like Neuronal Invasion. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 29.	2.9	19
24	Kinetics characterization of c-Src binding to lipid membranes: Switching from labile to persistent binding. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 138, 17-25.	5.0	19
25	Evidence of Protein Adsorption in Pegylated Liposomes: Influence of Liposomal Decoration. <i>Nanomaterials</i> , 2017, 7, 37.	4.1	19
26	Effect of E1(64-81) hepatitis G peptide on the in vitro interaction of HIV-1 fusion peptide with membrane models. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2178-2188.	2.6	17
27	Phospholipid Bilayer-Perturbing Properties Underlying Lysis Induced by pH-Sensitive Cationic Lysine-Based Surfactants in Biomembranes. <i>Langmuir</i> , 2012, 28, 11687-11698.	3.5	17
28	Interaction of Enrofloxacin with Phospholipid Mono- and Bilayers. <i>Langmuir</i> , 1994, 10, 767-772.	3.5	16
29	Theoretical representation of solvent effects in the study of biochemical systems. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 269-278.	1.5	14
30	Study of the inhibition capacity of an 18-mer peptide domain of GBV-C virus on gp41-FP HIV-1 activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1567-1573.	2.6	14
31	pH-induced destabilization of lipid bilayers by a peptide from the VP3 protein of the capsid of hepatitis A virus. <i>Analyst</i> , 1998, 123, 2251-2256.	3.5	12
32	Interaction of E2 and NS3 synthetic peptides of GB virus C/hepatitis G virus with model lipid membranes. <i>Talanta</i> , 2003, 60, 395-404.	5.5	12
33	Fluorescence study of the dynamic interaction between E1(145-162) sequence of hepatitis GB virus C and liposomes. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1003-1010.	3.7	12
34	Biophysical Investigations of GBV-C E1 Peptides as Potential Inhibitors of HIV-1 Fusion Peptide. <i>ChemPhysChem</i> , 2011, 12, 2816-2822.	2.1	12
35	Effect of PEGylation on Ligand-Targeted Magnetoliposomes: A Missed Goal. <i>ACS Omega</i> , 2017, 2, 6544-6555.	3.5	12
36	Physicochemical Study of Several Peptide Constructs Based on the Sequence (96-107) of VP2-HAV Protein. <i>Journal of Colloid and Interface Science</i> , 1997, 188, 81-93.	9.4	11

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37	Dual Behavior of Long-Chain Fatty Acids and Their Cyclooxygenase/Lipoxygenase Metabolites on Human Intestinal Caco-2 Cell Growth. <i>Frontiers in Pharmacology</i> , 2020, 11, 529976.	3.5	11
38	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
39	Could α -Synuclein Amyloid-Like Aggregates Trigger a Prionic Neuronal Invasion?. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	10
40	Facile Synthesis of Novel Prussian Blue-Lipid Nanocomplexes. <i>Molecules</i> , 2019, 24, 4137.	3.8	10
41	Interaction of analgesics with lecithin and ganglioside monolayers. <i>International Journal of Pharmaceutics</i> , 1988, 44, 257-260.	5.2	8
42	Preparation and in vitro activity of liposome encapsulated opioids. <i>Journal of Microencapsulation</i> , 1989, 6, 277-283.	2.8	8
43	Synthesis and physicochemical study of collagen hydrophobic derivatives. <i>Langmuir</i> , 1993, 9, 3149-3153.	3.5	8
44	Miscibility of dipalmitoylphosphatidylcholine, oleic acid and cholesterol measured by DSC and compression isotherms of monolayers. <i>Thermochimica Acta</i> , 1994, 232, 261-269.	2.7	8
45	Influence of lipidation of GBV-C/HGV NS3 (513-522) and (505-514) peptide sequences on its interaction with mono and bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 57, 8-16.	5.0	8
46	Analysis of the perturbation of phospholipid model membranes by a multiple antigenic peptide. <i>Analytica Chimica Acta</i> , 1995, 303, 57-64.	5.4	7
47	Interaction of VP3(110-121) Peptide with Hepatocyte and Erythrocyte Membrane Models. <i>Journal of Colloid and Interface Science</i> , 1999, 211, 130-136.	9.4	7
48	Physicochemical characterization of GBV-C E1 peptides as potential inhibitors of HIV-1 fusion peptide: Interaction with model membranes. <i>International Journal of Pharmaceutics</i> , 2012, 436, 593-601.	5.2	7
49	Predicting the aggregation propensity of prion sequences. <i>Virus Research</i> , 2015, 207, 127-135.	2.2	7
50	Superparamagnetic Nanoparticles with Efficient Near-Infrared Photothermal Effect at the Second Biological Window. <i>Molecules</i> , 2020, 25, 5315.	3.8	7
51	Flash tooth whitening: A friendly formulation based on a nanoencapsulated reductant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111241.	5.0	7
52	Synthesis and validation of DOPY: A new gemini dioleilylpyridinium based amphiphile for nucleic acid transfection. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 165, 279-292.	4.3	7
53	Peptides and Liposomes: From Biophysical to Immunogenic Studies. <i>Current Drug Targets</i> , 2003, 4, 633-642.	2.1	7
54	Miscibility of HBV peptides and dipalmitoylphosphatidylcholine in monolayers. <i>Langmuir</i> , 1993, 9, 1129-1133.	3.5	6

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55	Time-Lapse Atomic Force Microscopy Observations of the Morphology, Growth Rate, and Spontaneous Alignment of Nanofibers Containing a Peptide-Amphiphile from the Hepatitis G Virus (NS3 Protein). <i>Journal of Physical Chemistry B</i> , 2010, 114, 620-625.	2.6	5
56	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
57	A Synthetic Glycopeptide of Substance P Analogue (SP6-11) with Enhanced NK-1 Receptor Specificity. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 74-76.	3.3	4
58	Fluorescence analysis of the interaction of two peptide sequences of hepatitis GB virus C with liposomes. <i>Talanta</i> , 2003, 60, 483-491.	5.5	3
59	Analysis of the effect of a peptide sequence of the E2 protein (HGV/GBV-C) on the physicochemical properties of zwitterionic and negatively charged bilayers. <i>Luminescence</i> , 2005, 20, 445-450.	2.9	3
60	Activity of Antibiotics and Potential Antibiofilm Agents against Biofilm-Producing <i>Mycobacterium avium-intracellulare</i> Complex Causing Chronic Pulmonary Infections. <i>Antibiotics</i> , 2022, 11, 589.	3.7	3
61	Influence of lipid characteristics on the encapsulation efficiency and stability of liposomes. <i>Biochemical Society Transactions</i> , 1989, 17, 1001-1002.	3.4	2
62	Interaction of two overlapped synthetic peptides from GB virus C with charged mono and bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 7-13.	5.0	2
63	Phospholipid-opiate interactions measured by differential scanning calorimetry and compression isotherms of monolayers. <i>Thermochimica Acta</i> , 1991, 185, 99-109.	2.7	1
64	Interactions of naloxone with lipid monolayers. <i>International Journal of Pharmaceutics</i> , 1991, 76, 145-149.	5.2	1