

Montserrat Mitjans

List of Publications by Year in descending order

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101384

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times ranked

5845
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming MDR by Associating Doxorubicin and pH-Sensitive PLGA Nanoparticles Containing a Novel Organoselenium Compoundâ€”An In Vitro Study. <i>Pharmaceutics</i> , 2022, 14, 80.	2.0	4
2	E-LEARNING OF ANATOMY: VIRTUAL PLATFORMS AS A SURROGATE FOR THE IN-PERSON ANATOMY LABORATORY CLASSROOM. <i>EDULEARN Proceedings</i> , 2022, , .	0.0	0
3	<i>Polypodium vulgare</i> L. (Polypodiaceae) as a Source of Bioactive Compounds: Polyphenolic Profile, Cytotoxicity and Cytoprotective Properties in Different Cell Lines. <i>Frontiers in Pharmacology</i> , 2021, 12, 727528.	1.6	14
4	Multifunctional PLGA nanoparticles combining transferrin-targetability and pH-stimuli sensitivity enhanced doxorubicin intracellular delivery and in vitro antineoplastic activity in MDR tumor cells. <i>Toxicology in Vitro</i> , 2021, 75, 105192.	1.1	7
5	Melanogenesis and Melasma Treatment. <i>Cosmetics</i> , 2021, 8, 82.	1.5	13
6	Protective effect of guarana-loaded liposomes on hemolytic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110636.	2.5	7
7	Transferrin-conjugated doxorubicin-loaded PLGA nanoparticles with pH-responsive behavior: a synergistic approach for cancer therapy. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	22
8	Comparative evaluation of the hepatotoxicity, phototoxicity and photosensitizing potential of dronedarone hydrochloride and its cyclodextrin-based inclusion complexes. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1565-1575.	1.6	5
9	Preparation, characterization and in vitro cytotoxicity study of dronedarone hydrochloride inclusion complexes. <i>Materials Science and Engineering C</i> , 2019, 100, 48-61.	3.8	14
10	Evaluation of Anti-Tyrosinase and Antioxidant Properties of Four Fern Species for Potential Cosmetic Applications. <i>Forests</i> , 2019, 10, 179.	0.9	20
11	In Vitro Comparative Skin Irritation Induced by Nano and Non-Nano Zinc Oxide. <i>Nanomaterials</i> , 2017, 7, 56.	1.9	46
12	Alternative Methods to Animal Testing for the Safety Evaluation of Cosmetic Ingredients: An Overview. <i>Cosmetics</i> , 2017, 4, 30.	1.5	19
13	Lignins and Their Derivatives with Beneficial Effects on Human Health. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1219.	1.8	175
14	Chitosan-tripolyphosphate nanoparticles functionalized with a pH-responsive amphiphile improved the in vitro antineoplastic effects of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 326-335.	2.5	18
15	PEGylated and poloxamer-modified chitosan nanoparticles incorporating a lysine-based surfactant for pH-triggered doxorubicin release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 138, 117-127.	2.5	48
16	Antioxidant comparative effects of two grape pomace Mexican extracts from vineyards on erythrocytes. <i>Food Chemistry</i> , 2016, 194, 1081-1088.	4.2	17
17	Inclusion of a pH-responsive amino acid-based amphiphile in methotrexate-loaded chitosan nanoparticles as a delivery strategy in cancer therapy. <i>Amino Acids</i> , 2016, 48, 157-168.	1.2	25
18	Nanocarriers for Delivery of Antioxidants on the Skin. <i>Cosmetics</i> , 2015, 2, 342-354.	1.5	51

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19	Antitumor Activities of Metal Oxide Nanoparticles. <i>Nanomaterials</i> , 2015, 5, 1004-1021.	1.9	246
20	Interactions of PLGA nanoparticles with blood components: protein adsorption, coagulation, activation of the complement system and hemolysis studies. <i>Nanoscale</i> , 2015, 7, 6045-6058.	2.8	139
21	Comparative effects of macro-sized aluminum oxide and aluminum oxide nanoparticles on erythrocyte hemolysis: influence of cell source, temperature, and size. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	25
22	Protection against oxidative damage in human erythrocytes and preliminary photosafety assessment of Punica granatum seed oil nanoemulsions entrapping polyphenol-rich ethyl acetate fraction. <i>Toxicology in Vitro</i> , 2015, 30, 421-428.	1.1	31
23	Nanoparticles incorporating pH-responsive surfactants as a viable approach to improve the intracellular drug delivery. <i>Materials Science and Engineering C</i> , 2015, 57, 100-106.	3.8	19
24	Photoprotection by Punica granatum seed oil nanoemulsion entrapping polyphenol-rich ethyl acetate fraction against UVB-induced DNA damage in human keratinocyte (HaCaT) cell line. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 127-136.	1.7	57
25	Nanotechnology Approaches to Target Endosomal pH: A Promising Strategy for an Efficient Intracellular Drug, Gene and Protein Delivery. <i>Drug Delivery Letters</i> , 2014, 4, 2-11.	0.2	5
26	NCTC 2544 and IL-18 production: A tool for the in vitro identification of photoallergens. <i>Toxicology in Vitro</i> , 2014, 28, 13-17.	1.1	13
27	Potential of antioxidant extracts produced by aqueous processing of renewable resources for the formulation of cosmetics. <i>Industrial Crops and Products</i> , 2014, 58, 104-110.	2.5	74
28	Erythrocytes and cell line-based assays to evaluate the cytoprotective activity of antioxidant components obtained from natural sources. <i>Toxicology in Vitro</i> , 2014, 28, 120-124.	1.1	20
29	Cytoprotective Effects of Polyphenols against Oxidative Damage. , 2014, , 275-288.		9
30	Lysine-based surfactants in nanovesicle formulations: the role of cationic charge position and hydrophobicity in vitro cytotoxicity and intracellular delivery. <i>Nanotoxicology</i> , 2014, 8, 404-421.	1.6	13
31	Mechanisms Underlying Cytotoxicity Induced by Engineered Nanomaterials: A Review of In Vitro Studies. <i>Nanomaterials</i> , 2014, 4, 454-484.	1.9	42
32	NCTC 2544 and IL-18 production: A tool for the identification of contact allergens. <i>Toxicology in Vitro</i> , 2013, 27, 1127-1134.	1.1	47
33	Potential use of Cytisus scoparius extracts in topical applications for skin protection against oxidative damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 125, 83-89.	1.7	24
34	New cationic nanovesicular systems containing lysine-based surfactants for topical administration: Toxicity assessment using representative skin cell lines. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 83, 33-43.	2.0	22
35	Biological safety studies of gemifloxacin mesylate and related substances. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 805-812.	1.6	16
36	In vitro antitumor activity of methotrexate via pH-sensitive chitosan nanoparticles. <i>Biomaterials</i> , 2013, 34, 2758-2772.	5.7	166

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37	Establishment of an in vitro photoallergy test using NCTC2544 cells and IL-18 production. <i>Toxicology in Vitro</i> , 2013, 27, 103-110.	1.1	15
38	Pharmacological Applications of Lignins and Lignins Related Compounds: An Overview. <i>Current Organic Chemistry</i> , 2012, 16, 1863-1870.	0.9	25
39	Phospholipid Bilayer-Perturbing Properties Underlying Lysis Induced by pH-Sensitive Cationic Lysine-Based Surfactants in Biomembranes. <i>Langmuir</i> , 2012, 28, 11687-11698.	1.6	17
40	Membrane-destabilizing activity of pH-responsive cationic lysine-based surfactants: role of charge position and alkyl chain length. <i>Amino Acids</i> , 2012, 43, 1203-1215.	1.2	24
41	Valuable Polyphenolic Antioxidants from Wine Vinasses. <i>Food and Bioprocess Technology</i> , 2012, 5, 2708-2716.	2.6	16
42	pH-Sensitive Surfactants from Lysine: Assessment of Their Cytotoxicity and Environmental Behavior. <i>Langmuir</i> , 2012, 28, 5900-5912.	1.6	89
43	Isoeugenol destabilizes IL-8 mRNA expression in THP-1 cells through induction of the negative regulator of mRNA stability tristetrapirolin. <i>Archives of Toxicology</i> , 2012, 86, 239-248.	1.9	20
44	Cationic Surfactants Derived from Lysine: Effects of Their Structure and Charge Type on Antimicrobial and Hemolytic Activities. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 989-1002.	2.9	140
45	Role of Galloylation and Polymerization in Cytoprotective Effects of Polyphenolic Fractions against Hydrogen Peroxide Insult. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2113-2119.	2.4	13
46	Further development of the NCTC 2544 IL-18 assay to identify in vitro contact allergens. <i>Toxicology in Vitro</i> , 2011, 25, 724-732.	1.1	60
47	Comparative sensitivity of tumor and non-tumor cell lines as a reliable approach for in vitro cytotoxicity screening of lysine-based surfactants with potential pharmaceutical applications. <i>International Journal of Pharmaceutics</i> , 2011, 420, 51-58.	2.6	46
48	The role of counterions in the membrane-disruptive properties of pH-sensitive lysine-based surfactants. <i>Acta Biomaterialia</i> , 2011, 7, 2846-2856.	4.1	46
49	Biocompatible surfactants from renewable hydrophiles. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, 110-121.	1.0	52
50	Present and future of <i>in vitro</i> immunotoxicology in drug development. <i>Journal of Immunotoxicology</i> , 2010, 7, 255-267.	0.9	61
51	Photoprotective potential of emulsions formulated with Buriti oil (<i>Mauritia flexuosa</i>) against UV irradiation on keratinocytes and fibroblasts cell lines. <i>Food and Chemical Toxicology</i> , 2010, 48, 70-75.	1.8	65
52	Use of IL-8 release and p38 MAPK activation in THP-1 cells to identify allergens and to assess their potency in vitro. <i>Toxicology in Vitro</i> , 2010, 24, 1803-1809.	1.1	50
53	Applicability of lignins from different sources as antioxidants based on the protective effects on lipid peroxidation induced by oxygen radicals. <i>Industrial Crops and Products</i> , 2009, 30, 184-187.	2.5	64
54	Physicochemical and toxicological properties of novel amino acid-based amphiphiles and their spontaneously formed catanionic vesicles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 80-87.	2.5	59

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55	Cationic surfactants from lysine: Synthesis, micellization and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1884-1892.	2.6	113
56	Use of IL-18 production in a human keratinocyte cell line to discriminate contact sensitizers from irritants and low molecular weight respiratory allergens. <i>Toxicology in Vitro</i> , 2009, 23, 789-796.	1.1	121
57	Biobased Epicatechin Conjugates Protect Erythrocytes and Nontumoral Cell Lines from H ₂ O ₂ -Induced Oxidative Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4459-4465.	2.4	18
58	Alternative Methods for Eye and Skin Irritation Tests: An Overview. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 46-59.	1.6	148
59	Comparative antioxidant and cytotoxic effects of lignins from different sources. <i>Bioresource Technology</i> , 2008, 99, 6683-6687.	4.8	283
60	Human hemoglobin denaturation as an alternative to the draize test for predicting eye irritancy of surfactants. <i>Regulatory Toxicology and Pharmacology</i> , 2008, 52, 89-93.	1.3	9
61	Potential applications of antioxidant lignins from different sources. <i>Industrial Crops and Products</i> , 2008, 27, 220-223.	2.5	175
62	Role of p38 MAPK in the selective release of IL-8 induced by chemical allergen in naïve THP-1 cells. <i>Toxicology in Vitro</i> , 2008, 22, 386-395.	1.1	67
63	Low cytotoxicity of creams and lotions formulated with Buriti oil (<i>Mauritia flexuosa</i>) assessed by the neutral red release test. <i>Food and Chemical Toxicology</i> , 2008, 46, 2776-2781.	1.8	39
64	Comparative evaluation of cytotoxicity and phototoxicity of mono and diacylglycerol amino acid-based surfactants. <i>Food and Chemical Toxicology</i> , 2008, 46, 3837-3841.	1.8	15
65	Highly Galloylated Tannin Fractions from Witch Hazel (<i>Hamamelis virginiana</i>) Bark: Electron Transfer Capacity, In Vitro Antioxidant Activity, and Effects on Skin-Related Cells. <i>Chemical Research in Toxicology</i> , 2008, 21, 696-704.	1.7	62
66	Comparative Antioxidant and Cytotoxic Effect of Procyanidin Fractions from Grape and Pine. <i>Chemical Research in Toxicology</i> , 2007, 20, 1543-1548.	1.7	34
67	Hemolysis and antihemolysis induced by amino acid-based surfactants. <i>Toxicology Letters</i> , 2007, 169, 177-184.	0.4	39
68	Comparative Study of the Cytotoxicity Induced by Antioxidant Epicatechin Conjugates Obtained from Grape. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 6945-6950.	2.4	37
69	Fructose-6-phosphate Aldolase in Organic Synthesis: Preparation of α -Fagomine, N-Alkylated Derivatives, and Preliminary Biological Assays. <i>Organic Letters</i> , 2006, 8, 6067-6070.	2.4	136
70	Chemoenzymatic Synthesis and Antimicrobial and Haemolytic Activities of Amphiphilic Bis(phenylacetylarginine) Derivatives. <i>ChemMedChem</i> , 2006, 1, 1091-1098.	1.6	12
71	In vitro studies of the hemolytic activity of microemulsions in human erythrocytes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 1063-1067.	1.4	49
72	Novel epicatechin derivatives with antioxidant activity modulate interleukin-1 β release in lipopolysaccharide-stimulated human blood. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5031-5034.	1.0	11

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73	TNF α Measurement in Rat and Human Whole Blood as an in vitro Method to Assay Pyrogens and its Inhibition by Dexamethasone and Erythromycin. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2718-2723.	1.6	4
74	Morphometric study of the guinea pig small intestine during development. <i>Microscopy Research and Technique</i> , 2004, 63, 206-214.	1.2	8
75	Assessment of primary eye and skin irritants by in vitro cytotoxicity and phototoxicity models: an in vitro approach of new arginine-based surfactant-induced irritation. <i>Toxicology</i> , 2004, 197, 229-237.	2.0	60
76	Assessment of the potential irritation and photoirritation of novel amino acid-based surfactants by in vitro methods as alternative to the animal tests. <i>Toxicology</i> , 2004, 201, 87-93.	2.0	39
77	A synthetic alternative to natural lecithins with antimicrobial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 35, 235-242.	2.5	28
78	Immunomodulatory Activity of a New Family of Antioxidants Obtained from Grape Polyphenols. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 7297-7299.	2.4	25
79	Potential eye irritation of some "biodegradable" liquid scintillation cocktails determined in vitro. <i>Food and Chemical Toxicology</i> , 2004, 42, 1287-1290.	1.8	5
80	In vitro study of the antioxidant and immunomodulatory activity of aqueous infusion of <i>Bidens pilosa</i> . <i>Journal of Ethnopharmacology</i> , 2004, 93, 319-323.	2.0	36
81	Low potential ocular irritation of arginine-based gemini surfactants and their mixtures with nonionic and zwitterionic surfactants. <i>Pharmaceutical Research</i> , 2003, 20, 1697-1701.	1.7	34
82	Ontogenetic expression and regulation of Na ⁺ -d-glucose cotransporter in jejunum of domestic chicken. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, G559-G564.	1.6	25
83	Chemical Structure/Property Relationship in Single-Chain Arginine Surfactants. <i>Langmuir</i> , 2001, 17, 5071-5075.	1.6	95
84	Hematological and Biochemical Parameters in the Rat Following Subchronic Oral Administration of Dodine (n-Dodecylguanidine Acetate). <i>Pesticide Biochemistry and Physiology</i> , 1999, 65, 151-159.	1.6	3
85	Effects of Dodine (n-Dodecylguanidine Acetate) Subchronic Treatment on Intestinal Morphology and Brush Border Enzymatic Activity in Rats. <i>Pesticide Biochemistry and Physiology</i> , 1998, 62, 96-101.	1.6	3
86	ALTERATIONS OF MALE WISTAR RAT JEJUNUM INDUCED BY DODINE n -DODECYLGUANIDINE ACETATE. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1997, 52, 545-556.	1.1	0