

Carlotta Marianecci

List of Publications by Year in descending order

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77
papers

3,579
citations

136950

32
h-index

138484

58
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77
all docs

77
docs citations

77
times ranked

4798
citing authors

#	ARTICLE	IF	CITATIONS
1	Polysaccharide hydrogels for modified release formulations. <i>Journal of Controlled Release</i> , 2007, 119, 5-24.	9.9	855
2	Niosomes from 80s to present: The state of the art. <i>Advances in Colloid and Interface Science</i> , 2014, 205, 187-206.	14.7	371
3	Non-ionic surfactant vesicles in pulmonary glucocorticoid delivery: Characterization and interaction with human lung fibroblasts. <i>Journal of Controlled Release</i> , 2010, 147, 127-135.	9.9	107
4	Anti-inflammatory activity of novel ammonium glycyrrhizinate/niosomes delivery system: Human and murine models. <i>Journal of Controlled Release</i> , 2012, 164, 17-25.	9.9	107
5	Novel pH-sensitive non-ionic surfactant vesicles: comparison between Tween 21 and Tween 20. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 18-24.	5.0	100
6	Solid lipid nanoparticles incorporated in dextran hydrogels: A new drug delivery system for oral formulations. <i>International Journal of Pharmaceutics</i> , 2006, 325, 140-146.	5.2	83
7	Biomedical Applications of Nanodiamonds: An Overview. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 972-988.	0.9	76
8	Chitosan Glutamate-Coated Niosomes: A Proposal for Nose-to-Brain Delivery. <i>Pharmaceutics</i> , 2018, 10, 38.	4.5	70
9	Physicochemical and biological study of selected hydrophobic polyethylenimine-based polycationic liposomes and their complexes with DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 1504-1515.	3.0	62
10	Magnetic force microscopy. <i>Biomatter</i> , 2014, 4, e29507.	2.6	61
11	Non-phospholipid vesicles for pulmonary glucocorticoid delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 59, 57-62.	4.3	58
12	A New Vesicle-loaded Hydrogel System Suitable for Topical Applications: Preparation and Characterization. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2011, 14, 336.	2.1	54
13	Gel-embedded niosomes: Preparation, characterization and release studies of a new system for topical drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 291-299.	5.0	52
14	Evaluation of rat striatal l-dopa and DA concentration after intraperitoneal administration of l-dopa prodrugs in liposomal formulations. <i>Journal of Controlled Release</i> , 2004, 99, 293-300.	9.9	51
15	Factors Determining the Superior Performance of Lipid/DNA/Protamine Nanoparticles over Lipoplexes. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4160-4171.	6.4	51
16	Neem oil nanoemulsions: characterisation and antioxidant activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 1265-1273.	5.2	50
17	Designing novel pH-sensitive non-phospholipid vesicle: Characterization and cell interaction. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 28, 385-393.	4.0	49
18	pH-sensitive non-phospholipid vesicle and macrophage-like cells: Binding, uptake and endocytotic pathway. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2749-2756.	2.6	49

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19	Bioconjugation of gold-polymer core-shell nanoparticles with bovine serum amine oxidase for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 314-321.	5.0	49
20	New vesicular ampicillin-loaded delivery systems for topical application: characterization, in vitro permeation experiments and antimicrobial activity. <i>Journal of Controlled Release</i> , 2004, 95, 67-74.	9.9	46
21	Satureja montana L. Essential Oils: Chemical Profiles/Phytochemical Screening, Antimicrobial Activity and O/W NanoEmulsion Formulations. <i>Pharmaceutics</i> , 2020, 12, 7.	4.5	43
22	Effect of Cholesterol on the Formation and Hydration Behavior of Solid-Supported Niosomal Membranes. <i>Langmuir</i> , 2010, 26, 2268-2273.	3.5	42
23	Polysorbate 20 vesicles as oral delivery system: In vitro characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 200-206.	5.0	42
24	Niosomes as Drug Nanovectors: Multiscale pH-Dependent Structural Response. <i>Langmuir</i> , 2016, 32, 1241-1249.	3.5	42
25	Structural Stability and Increase in Size Rationalize the Efficiency of Lipoplexes in Serum. <i>Langmuir</i> , 2009, 25, 3013-3021.	3.5	41
26	Existence of hybrid structures in cationic liposome/DNA complexes revealed by their interaction with plasma proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 141-146.	5.0	41
27	Hybrid Niosome Complexation in the Presence of Oppositely Charged Polyions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3720-3727.	2.6	40
28	Current Trends in ATRA Delivery for Cancer Therapy. <i>Pharmaceutics</i> , 2020, 12, 707.	4.5	37
29	inPentosomes: An innovative nose-to-brain pentamidine delivery blunts MPTP parkinsonism in mice. <i>Journal of Controlled Release</i> , 2019, 294, 17-26.	9.9	36
30	pH-sensitive niosomes: Effects on cytotoxicity and on inflammation and pain in murine models. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 538-546.	5.2	35
31	Drug delivery in overcoming the blood–brain barrier: role of nasal mucosal grafting. <i>Drug Design, Development and Therapy</i> , 2017, Volume11, 325-335.	4.3	35
32	Niosomal approach to brain delivery: Development, characterization and in vitro toxicological studies. <i>International Journal of Pharmaceutics</i> , 2016, 511, 969-982.	5.2	33
33	Maleic- and fumaric-diamides of (O,O-diacetyl)-L-Dopa-methylester as anti-Parkinson prodrugs in liposomal formulation. <i>Journal of Drug Targeting</i> , 2006, 14, 652-661.	4.4	32
34	Span^{Â®} and Tween^{Â®} neutral and pH-sensitive vesicles: Characterization and<i> in vitro</i> skin permeation. <i>Journal of Liposome Research</i> , 2009, 19, 332-340.	3.3	32
35	Ammonium glycyrrhizinate-loaded niosomes as a potential nanotherapeutic system for anti-inflammatory activity in murine models. <i>International Journal of Nanomedicine</i> , 2014, 9, 635.	6.7	32
36	Antimicrobial Essential Oil Formulation: Chitosan Coated Nanoemulsions for Nose to Brain Delivery. <i>Pharmaceutics</i> , 2020, 12, 678.	4.5	32

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37	Hydrophilic Silver Nanoparticles Loaded into Niosomes: Physical–Chemical Characterization in View of Biological Applications. <i>Nanomaterials</i> , 2019, 9, 1177.	4.1	30
38	Novel O-palmitoylscleroglucan-coated liposomes as drug carriers: Development, characterization and interaction with leuprolide. <i>International Journal of Pharmaceutics</i> , 2006, 325, 155-162.	5.2	29
39	Multicompartment vectors as novel drug delivery systems: selective activation of T ³ lymphocytes after zoledronic acid delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 153-161.	3.3	28
40	Pulmonary Delivery: Innovative Approaches and Perspectives. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011, 02, 567-575.	0.5	25
41	Niosomes Encapsulating Ibuprofen–Cyclodextrin Complexes: Preparation and Characterization. <i>Current Drug Targets</i> , 2013, 14, 1070-1078.	2.1	25
42	Novel Tween® 20 derivatives enable the formation of efficient pH-sensitive drug delivery vehicles for human hepatoblastoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3021-3025.	2.2	24
43	Some recent advances on liposomal and niosomal vesicular carriers. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 256-269.	3.0	23
44	Interaction of pH-sensitive non-phospholipid liposomes with cellular mimetic membranes. <i>Biomedical Microdevices</i> , 2013, 15, 299-309.	2.8	22
45	The role of cytoskeleton networks on lipid-mediated delivery of DNA. <i>Therapeutic Delivery</i> , 2013, 4, 191-202.	2.2	22
46	Pentamidine niosomes thwart S100B effects in human colon carcinoma biopsies favouring p53 rescue. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3053-3063.	3.6	21
47	Effect of hydration on the structure of solid-supported Niosomal membranes investigated by in situ energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2008, 462, 307-312.	2.6	20
48	Thickness measurement of soft thin films on periodically patterned magnetic substrates by phase difference magnetic force microscopy. <i>Ultramicroscopy</i> , 2014, 136, 96-106.	1.9	19
49	pH-sensitive pHLIP® coated niosomes. <i>Molecular Membrane Biology</i> , 2016, 33, 51-63.	2.0	19
50	Influence of drug/lipid interaction on the entrapment efficiency of isoniazid in liposomes for antitubercular therapy: a multi-faced investigation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112054.	5.0	19
51	Equilibrium particle aggregates in attractive colloidal suspensions. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3423-S3432.	1.8	18
52	Influence of the formulation components on the properties of the system SLN-dextran hydrogel for the modified release of drugs. <i>Journal of Microencapsulation</i> , 2009, 26, 355-364.	2.8	18
53	Potential dopamine prodrug-loaded liposomes: preparation, characterization, and in vitro stability studies. <i>Journal of Liposome Research</i> , 2010, 20, 250-257.	3.3	18
54	Decoration of Nanovesicles with pH (Low) Insertion Peptide (pHLIP) for Targeted Delivery. <i>Nanoscale Research Letters</i> , 2018, 13, 391.	5.7	16

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55	Charge Renormalization in Planar and Spherical Charged Lipidic Aqueous Interfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4808-4814.	2.6	15
56	Deformable Surfactant Vesicles Loading Ammonium Glycyrrhizinate: Characterization and In Vitro Permeation Studies. <i>Letters in Drug Design and Discovery</i> , 2012, 9, 494-499.	0.7	15
57	Long-Lasting, Antinociceptive Effects of pH-Sensitive Niosomes Loaded with Ibuprofen in Acute and Chronic Models of Pain. <i>Pharmaceutics</i> , 2019, 11, 62.	4.5	15
58	Nose to Brain Delivery: New Trends in Amphiphile-Based “Soft” Nanocarriers. <i>Current Pharmaceutical Design</i> , 2015, 21, 5225-5232.	1.9	15
59	Nanoemulsions of Satureja montana Essential Oil: Antimicrobial and Antibiofilm Activity against Avian Escherichia coli Strains. <i>Pharmaceutics</i> , 2021, 13, 134.	4.5	14
60	Different instrumental approaches to understand the chitosan coated niosomes/mucin interaction. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101339.	3.0	13
61	Rifampicin “Liposomes for Mycobacterium abscessus Infection Treatment: Intracellular Uptake and Antibacterial Activity Evaluation. <i>Pharmaceutics</i> , 2021, 13, 1070.	4.5	13
62	Visualization and quantification of magnetic nanoparticles into vesicular systems by combined atomic and magnetic force microscopy. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	12
63	Colloidal Supramolecular Aggregates for Therapeutic Application in Neuromedicine. <i>Current Medicinal Chemistry</i> , 2014, 21, 4132-4153.	2.4	11
64	Smart Nanovesicles for Drug Targeting and Delivery. <i>Pharmaceutics</i> , 2019, 11, 147.	4.5	10
65	Resveratrol-Loaded Nanoemulsions: In Vitro Activity on Human T24 Bladder Cancer Cells. <i>Nanomaterials</i> , 2021, 11, 1569.	4.1	8
66	pH-responsive oleic acid based nanocarriers: Melanoma treatment strategies. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121391.	5.2	8
67	Surfactants, Nanomedicines and Nanocarriers: A Critical Evaluation on Clinical Trials. <i>Pharmaceutics</i> , 2021, 13, 381.	4.5	7
68	Hyaluronic Acid Derivative Effect on Niosomal Coating and Interaction with Cellular Mimetic Membranes. <i>Molecules</i> , 2021, 26, 3434.	3.8	7
69	Programmed packaging of multicomponent envelope-type nanoparticle system for gene delivery. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	5
70	Polysorbate 20 Vesicles as Multi-drug Carriers: in Vitro Preliminary Evaluations. <i>Letters in Drug Design and Discovery</i> , 2013, 10, 212-218.	0.7	5
71	Nano-Based Drug Delivery Systems of Potent MmpL3 Inhibitors for Tuberculosis Treatment. <i>Pharmaceutics</i> , 2022, 14, 610.	4.5	5
72	Clinical Trials and Machine Learning: Regulatory Approach Review. <i>Reviews on Recent Clinical Trials</i> , 2021, 16, 341-350.	0.8	3

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73	Almond oil O/W nanoemulsions: Potential application for ocular delivery. Journal of Drug Delivery Science and Technology, 2022, 72, 103424.	3.0	3
74	Quality Assessment of Investigational Medicinal Products in COVID-19 Clinical Trials: One Year of Activity at the Clinical Trials Office. Pharmaceuticals, 2021, 14, 1321.	3.8	2
75	Niosomes. , 2013, , 65-90.		1
76	Polysorbate 20 Vesicles as Multi-drug Carriers: in Vitro Preliminary Evaluations. Letters in Drug Design and Discovery, 2013, 10, 212-218.	0.7	0
77	Critical Analysis and Quality Assessment of Nanomedicines and Nanocarriers in Clinical Trials: Three Years of Activity at the Clinical Trials Office. Pharmaceutics, 2022, 14, 1438.	4.5	0