

# Marcela R Longhi

## List of Publications by Year in descending order

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85  
papers

1,637  
citations

279798

23  
h-index

377865

34  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of ascorbic acid interaction with hydroxypropyl- $\beta$ -cyclodextrin and triethanolamine, separately and in combination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 536-545.	2.8	62
2	Synthesis, characterization and in vitro release studies of a new acetazolamide-HP- $\beta$ -CD-TEA inclusion complex. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 464-470.	5.5	58
3	An efficient ternary complex of acetazolamide with HP- $\beta$ -CD and TEA for topical ocular administration. <i>Journal of Controlled Release</i> , 2009, 138, 24-31.	9.9	56
4	Studies on trimethoprim:hydroxypropyl- $\beta$ -cyclodextrin: aggregate and complex formation. <i>Carbohydrate Research</i> , 2010, 345, 2550-2556.	2.3	56
5	Inclusion complexes of chloramphenicol with $\beta$ -cyclodextrin and aminoacids as a way to increase drug solubility and modulate ROS production. <i>Carbohydrate Polymers</i> , 2015, 121, 320-327.	10.2	52
6	Sulfamethoxazole:hydroxypropyl- $\beta$ -cyclodextrin complex: preparation and characterization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 63, 74-79.	2.8	50
7	Targeted chitosan-based bionanocomposites for controlled oral mucosal delivery of chlorhexidine. <i>International Journal of Pharmaceutics</i> , 2016, 509, 408-418.	5.2	43
8	Investigating Albendazole Desmotropes by Solid-State NMR Spectroscopy. <i>Molecular Pharmaceutics</i> , 2015, 12, 731-741.	4.6	42
9	Cyclodextrin Multicomponent Complexes: Pharmaceutical Applications. <i>Pharmaceutics</i> , 2021, 13, 1099.	4.5	41
10	Development of HPLC and UV spectrophotometric methods for the determination of ascorbic acid using hydroxypropyl- $\beta$ -cyclodextrin and triethanolamine as photostabilizing agents. <i>Analytica Chimica Acta</i> , 2010, 659, 159-166.	5.4	39
11	Increasing Doxycycline Hyclate Photostability by Complexation with $\beta$ -Cyclodextrin. <i>AAPS PharmSciTech</i> , 2014, 15, 1209-1217.	3.3	39
12	Triethanolamine Stabilization of Methotrexate- $\beta$ -Cyclodextrin Interactions in Ternary Complexes. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17077-17099.	4.1	38
13	Enhanced inhibition of bacterial biofilm formation and reduced leukocyte toxicity by chloramphenicol: $\beta$ -cyclodextrin:N-acetylcysteine complex. <i>Carbohydrate Polymers</i> , 2016, 152, 672-678.	10.2	37
14	Host-guest interactions between benzimidazole and beta-cyclodextrin in multicomponent complex systems involving hydrophilic polymers and triethanolamine in aqueous solution. <i>Journal of Molecular Liquids</i> , 2013, 186, 147-156.	4.9	35
15	Complexation of Sulfonamides With $\beta$ -Cyclodextrin Studied by Experimental and Theoretical Methods. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3166-3176.	3.3	32
16	Supramolecular complexes of maltodextrin and furosemide polymorphs: a new approach for delivery systems. <i>Carbohydrate Polymers</i> , 2013, 94, 292-300.	10.2	32
17	Nanostructured Lipid Carriers as a Strategy to Improve the &lt;math>in vitro</math> Schistosomiasis Activity of Praziquantel. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 761-772.	0.9	31
18	Insights into Novel Supramolecular Complexes of Two Solid Forms of Norfloxacin and $\beta$ -Cyclodextrin. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3717-3724.	3.3	30

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19	Improving furosemide polymorphs properties through supramolecular complexes of $\beta$ -cyclodextrin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 139-145.	2.8	30
20	Liposomes containing cyclodextrins or meglumine to solubilize and improve the bioavailability of poorly soluble drugs. <i>Journal of Molecular Liquids</i> , 2017, 229, 106-113.	4.9	28
21	Interaction of sulfadiazine with cyclodextrins in aqueous solution and solid state. <i>Carbohydrate Polymers</i> , 2012, 87, 1980-1988.	10.2	27
22	Second derivative spectrophotometric determination of trimethoprim and sulfamethoxazole in the presence of hydroxypropyl- $\beta$ -cyclodextrin (HP- $\beta$ -CD). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 51-59.	2.8	26
23	Quantitative analysis of enalapril by $^1\text{H}$ NMR spectroscopy in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 627-630.	2.8	25
24	HPLC method for the determination of nystatin in saliva for application in clinical studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 526-530.	2.8	23
25	Characterization, inclusion mode, phase-solubility and in vitro release studies of inclusion binary complexes with cyclodextrins and meglumine using sulfamerazine as model drug. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 919-928.	2.0	23
26	Interaction pathways of specific co-solvents with hydroxypropyl- $\beta$ -cyclodextrin inclusion complexes with benzimidazole in liquid and solid phase. <i>Journal of Molecular Liquids</i> , 2016, 223, 350-359.	4.9	23
27	Enalapril- $\beta$ -CD complex: Stability enhancement in solid state. <i>Carbohydrate Polymers</i> , 2011, 86, 716-721.	10.2	22
28	Binding of Sulfamethazine to $\beta$ -cyclodextrin and Methyl- $\beta$ -cyclodextrin. <i>AAPS PharmSciTech</i> , 2013, 14, 727-735.	3.3	22
29	Development and Characterization of a Biocompatible Soybean Oil-Based Microemulsion for the Delivery of Poorly Water-Soluble Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3535-3543.	3.3	22
30	Solubilization of naphthoquinones by complexation with hydroxypropyl- $\beta$ -cyclodextrin. <i>International Journal of Pharmaceutics</i> , 1997, 159, 13-18.	5.2	21
31	Characterization, dissolution and in vivo evaluation of solid acetazolamide complexes. <i>Carbohydrate Polymers</i> , 2013, 98, 380-390.	10.2	21
32	Drug release profiles of modified MCM-41 with superparamagnetic behavior correlated with the employed synthesis method. <i>Materials Science and Engineering C</i> , 2017, 78, 674-681.	7.3	21
33	Characterization of the Hydrochlorothiazide: $\beta$ -Cyclodextrin Inclusion Complex. <i>Experimental and Theoretical Methods. Journal of Physical Chemistry B</i> , 2013, 117, 206-217.	2.6	20
34	Solubility and release modulation effect of sulfamerazine ternary complexes with cyclodextrins and meglumine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 100, 64-73.	2.8	20
35	Amino acids and its pharmaceutical applications: A mini review. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121375.	5.2	20
36	Ternary Complexes of Flurbiprofen with HP- $\beta$ -CD and Ethanolamines Characterization and Transdermal Delivery. <i>Drug Development and Industrial Pharmacy</i> , 2007, 33, 311-326.	2.0	19

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37	RP-HPLC method development for the simultaneous determination of timolol maleate and human serum albumin in albumin nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 186-189.	2.8	19
38	Specific binding capacity of $\beta$ -cyclodextrin with cis and trans enalapril: Physicochemical characterization and structural studies by molecular modeling. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8403-8412.	3.0	18
39	Synthesis and characterization of binary and ternary complexes of diclofenac with a methyl- $\beta$ -CD and monoethanolamine and in vitro transdermal evaluation. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 4079-4088.	5.5	18
40	Studies of pilocarpine:carbomer intermolecular interactions. <i>International Journal of Pharmaceutics</i> , 2012, 427, 252-259.	5.2	18
41	Cyclodextrin and Meglumine-Based Microemulsions as a Poorly Water-Soluble Drug Delivery System. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2703-2711.	3.3	17
42	Promising complexes of acetazolamide for topical ocular administration. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 943-953.	5.0	16
43	Influence of $\beta$ -cyclodextrin on the Properties of Norfloxacin Form A. <i>AAPS PharmSciTech</i> , 2015, 16, 683-691.	3.3	16
44	Ternary complexation of benzoic acid with $\beta$ -cyclodextrin and aminoacids. Experimental and theoretical studies. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 85, 33-48.	1.6	16
45	Synthesis and characterization of supramolecular systems containing nifedipine, $\beta$ -cyclodextrin and aspartic acid. <i>Carbohydrate Polymers</i> , 2019, 205, 480-487.	10.2	16
46	Toward novel antiparasitic formulations: Complexes of Albendazole desmotropes and $\beta$ -cyclodextrin. <i>Carbohydrate Polymers</i> , 2017, 164, 379-385.	10.2	15
47	Characterization of systems with amino-acids and oligosaccharides as modifiers of biopharmaceutical properties of furosemide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 143-150.	2.8	14
48	Investigating a Soluble Pharmaceutical Salt: Albendazole Hydrochloride. <i>Crystal Growth and Design</i> , 2019, 19, 4538-4545.	3.0	14
49	Furosemide:Triethanolamine Salt as a Strategy To Improve the Biopharmaceutical Properties and Photostability of the Drug. <i>Crystal Growth and Design</i> , 2019, 19, 2060-2068.	3.0	14
50	Ibuprofen-Maltodextrin Interaction: Study of Enantiomeric Recognition and Complex Characterization. <i>Pharmacology &amp; Pharmacy</i> , 2013, 04, 18-30.	0.7	13
51	Preparation of Chloramphenicol/Amino Acid Combinations Exhibiting Enhanced Dissolution Rates and Reduced Drug-Induced Oxidative Stress. <i>AAPS PharmSciTech</i> , 2017, 18, 2910-2918.	3.3	13
52	Inclusion complexes of $\beta$ -cyclodextrin and polymorphs of mebendazole: Physicochemical characterization. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 127, 330-338.	4.0	13
53	Complex formation of chlorhexidine gluconate with hydroxypropyl- $\beta$ -cyclodextrin (HP- $\beta$ -CD) by proton nuclear magnetic resonance spectroscopy ( $^1\text{H}$ NMR). <i>Carbohydrate Research</i> , 2011, 346, 1037-1046.	2.3	12
54	Intestinal uptake and toxicity evaluation of acetazolamide and its multicomponent complexes with hydroxypropyl- $\beta$ -cyclodextrin in rats. <i>International Journal of Pharmaceutics</i> , 2015, 478, 258-267.	5.2	11

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55	Improving the Stability and the Pharmaceutical Properties of Norfloxacin Form C Through Binary Complexes with $\beta$ -Cyclodextrin. <i>AAPS PharmSciTech</i> , 2018, 19, 2255-2263.	3.3	11
56	$\beta$ -cyclodextrin complexation as an approach to enhance the biopharmaceutical properties of Norfloxacin B Hydrate. <i>Carbohydrate Research</i> , 2019, 485, 107818.	2.3	11
57	Stability of furosemide polymorphs and the effects of complex formation with $\beta$ -cyclodextrin and maltodextrin. <i>Carbohydrate Polymers</i> , 2016, 152, 598-604.	10.2	10
58	Supramolecular aggregates of oligosaccharides with co-solvents in ternary systems for the solubilizing approach of triamcinolone. <i>Carbohydrate Polymers</i> , 2016, 151, 1040-1051.	10.2	10
59	Influence of proline and $\beta$ -Cyclodextrin in ketoconazole physicochemical and microbiological performance. <i>Journal of Molecular Structure</i> , 2019, 1176, 470-477.	3.6	10
60	Isoxazoles V: Chemical Stability of Diisoxazolylnaphthoquinone in Aqueous Solution. <i>Journal of Pharmaceutical Sciences</i> , 1989, 78, 408-412.	3.3	9
61	Improving Properties of Albendazole Desmotropes by Supramolecular Systems with Maltodextrin and Glutamic Acid. <i>AAPS PharmSciTech</i> , 2018, 19, 1468-1476.	3.3	9
62	Cross-linked hyaluronan films loaded with acetazolamide $\beta$ -cyclodextrin $\beta$ -triethanolamine complexes for glaucoma treatment. <i>Therapeutic Delivery</i> , 2018, 9, 205-220.	2.2	9
63	Structural, physicochemical and biological characterization of chloramphenicol multicomponent complexes. <i>Journal of Molecular Liquids</i> , 2021, 331, 115761.	4.9	9
64	Isoxazoles. VII: Hydrolysis of 4-Methyl- 5-isoxazolylnaphthoquinone Derivatives in Aqueous Solutions. <i>Journal of Pharmaceutical Sciences</i> , 1991, 80, 573-577.	3.3	8
65	Artificial Lipid Membrane Permeability Method for Predicting Intestinal Drug Transport: Probing the Determining Step in the Oral Absorption of Sulfadiazine; Influence of the Formation of Binary and Ternary Complexes with Cyclodextrins. <i>AAPS PharmSciTech</i> , 2018, 19, 1437-1447.	3.3	8
66	Study and development of microemulsion formulations to increase the permeability of acyclovir. <i>Journal of Molecular Liquids</i> , 2022, 348, 118408.	4.9	8
67	Isoxazoles VI: Aspects of the Chemical Stability of a New Naphthoquinone-Amine in Acidic Aqueous Solution. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 754-757.	3.3	7
68	Binary and ternary complexes of norfloxacin to improve the solubility of the active pharmaceutical ingredient. <i>Therapeutic Delivery</i> , 2018, 9, 639-652.	2.2	7
69	Technological delivery systems to improve biopharmaceutical properties. , 2018, , 253-299.		7
70	Improved Activity of Rifampicin Against Biofilms of <i>Staphylococcus aureus</i> by Multicomponent Complexation. <i>AAPS PharmSciTech</i> , 2020, 21, 163.	3.3	7
71	Thermal Analysis and Spectroscopic Characterization of Interactions Between a Naphthoquinone Derivative with HP- $\beta$ -CD or PVP. <i>Pharmaceutical Development and Technology</i> , 2002, 7, 381-390.	2.4	6
72	Simultaneous improvement of ketoconazole solubility, antifungal and antibiofilm activity by multicomponent complexation. <i>Therapeutic Delivery</i> , 2020, 11, 701-712.	2.2	6

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73	Isoxazoles. 8. Preformulation Studies of an Isoxazolynaphthoquinone Derivative. Journal of Pharmaceutical Sciences, 1994, 83, 336-338.	3.3	4
74	Preparation and Characterization of Solid Complexes of Napthoquinone and Hydroxypropyl- $\beta$ -Cyclodextrin. Molecules, 2000, 5, 342-344.	3.8	4
75	Diloxanide furoate binary complexes with $\beta$ -, methyl- $\beta$ -, and hydroxypropyl- $\beta$ -cyclodextrins: inclusion mode, characterization in solution and in solid state and <i>in vitro</i> dissolution studies. Pharmaceutical Development and Technology, 2018, 23, 723-731.	2.4	4
76	Structural and dynamic characterization of solid furosemide polymorphs by NQR and NMR methods. Chemical Physics Letters, 2015, 641, 163-168.	2.6	3
77	Effect of Complexes and Microemulsions on the Permeability of Drugs: Determination Using a New Biomimetic Artificial Membrane. AAPS PharmSciTech, 2018, 19, 2629-2638.	3.3	3
78	High Performance Liquid Chromatography of Isoxazolyl-Naphthoquinones: A Comparison Between Experimental and Theoretical Lipophilicity. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 1947-1956.	1.0	2
79	Evaluating ternary systems with oligosaccharides as a strategy to improve the biopharmaceutical properties of furosemide. Materials Science and Engineering C, 2020, 111, 110793.	7.3	2
80	Enhanced dissolution profiles of glibenclamide with amino acids using a cogrinding method. Materials Today Communications, 2021, 26, 102126.	1.9	2
81	Innovative technological systems to optimize the delivery and therapeutic activity of antimicrobial drugs. , 2020, , 105-139.		1
82	Binary systems of albendazole desmotropes with amino-acids: Experimental and theoretical studies. Journal of Molecular Liquids, 2021, 340, 117282.	4.9	1
83	Determination of the Formation Constant of the Inclusion Complex from a Naphthoquinone. Molecules, 2000, 5, 510-511.	3.8	0
84	Insights into the ethanol solvate form of clarithromycin. Journal of Molecular Structure, 2022, 1264, 133170.	3.6	0
85	Pharmaceutical Crystals: Development, Optimization, Characterization and Biopharmaceutical Aspects. , 0, , .		0