

Marcilio S S Cunha-Filho

List of Publications by Year in descending order

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108
papers

2,092
citations

218381

26
h-index

329751

37
g-index

113
all docs

113
docs citations

113
times ranked

2209
citing authors

#	ARTICLE	IF	CITATIONS
1	The Digital Pharmacies Era: How 3D Printing Technology Using Fused Deposition Modeling Can Become a Reality. <i>Pharmaceutics</i> , 2019, 11, 128.	2.0	125
2	Chitosan nanoparticles loading oxaliplatin as a mucoadhesive topical treatment of oral tumors: Iontophoresis further enhances drug delivery ex vivo. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1265-1275.	3.6	62
3	Preparation of a solid self-microemulsifying drug delivery system by hot-melt extrusion. <i>International Journal of Pharmaceutics</i> , 2018, 541, 1-10.	2.6	57
4	Removal of azo dye using Fenton and Fenton-like processes: Evaluation of process factors by Box-Behnken design and ecotoxicity tests. <i>Chemico-Biological Interactions</i> , 2018, 291, 47-54.	1.7	54
5	Targeted clindamycin delivery to pilosebaceous units by chitosan or hyaluronic acid nanoparticles for improved topical treatment of acne vulgaris. <i>Carbohydrate Polymers</i> , 2021, 253, 117295.	5.1	51
6	Taste masking and rheology improvement of drug complexed with beta-cyclodextrin and hydroxypropyl- β -cyclodextrin by hot-melt extrusion. <i>Carbohydrate Polymers</i> , 2018, 185, 19-26.	5.1	50
7	Microparticles prepared with 50-190 kDa chitosan as promising non-toxic carriers for pulmonary delivery of isoniazid. <i>Carbohydrate Polymers</i> , 2017, 174, 421-431.	5.1	49
8	Compatibility of the antitumoral β -lapachone with different solid dosage forms excipients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 590-598.	1.4	43
9	Characterization of β -lapachone and methylated β -cyclodextrin solid-state systems. <i>AAPS PharmSciTech</i> , 2007, 8, E68-E77.	1.5	42
10	Caracterização físico-química do fármaco antichagásico benznidazol. <i>Química Nova</i> , 2010, 33, 1714-1719.	0.3	39
11	Benznidazole microcrystal preparation by solvent change precipitation and in vivo evaluation in the treatment of Chagas disease. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 377-384.	2.0	37
12	Besifloxacin liposomes with positively charged additives for an improved topical ocular delivery. <i>Scientific Reports</i> , 2020, 10, 19285.	1.6	37
13	FDM 3D printing of modified drug-delivery systems using hot melt extrusion: a new approach for individualized therapy. <i>Therapeutic Delivery</i> , 2017, 8, 957-966.	1.2	35
14	Solid effervescent formulations as new approach for topical minoxidil delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 411-419.	1.9	34
15	Dutasteride nanocapsules for hair follicle targeting: Effect of chitosan-coating and physical stimulus. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 56-61.	3.6	34
16	The role of formulation and follicular pathway in voriconazole cutaneous delivery from liposomes and nanostructured lipid carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 341-346.	2.5	33
17	Hydroxypropyl- β -cyclodextrin-complexed naringenin by solvent change precipitation for improving anti-inflammatory effect in vivo. <i>Carbohydrate Polymers</i> , 2020, 231, 115769.	5.1	33
18	Predictive models of FDM 3D printing using experimental design based on pharmaceutical requirements for tablet production. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119728.	2.6	33

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19	Use of mixture design in drug-excipient compatibility determinations: Thymol nanoparticles case study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 196-203.	1.4	32
20	Development of effervescent tablets containing benznidazole complexed with cyclodextrin. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 786-793.	1.2	31
21	Thermal analysis used to guide the production of thymol and <i>Lippia origanoides</i> essential oil inclusion complexes with cyclodextrin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 543-553.	2.0	31
22	Lipid nanoparticles as carriers of cyclodextrin inclusion complexes: A promising approach for cutaneous delivery of a volatile essential oil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110382.	2.5	30
23	Effect of physical stimuli on hair follicle deposition of clobetasol-loaded Lipid Nanocarriers. <i>Scientific Reports</i> , 2020, 10, 176.	1.6	30
24	Polymeric nanocapsules: A review on design and production methods for pharmaceutical purpose. <i>Methods</i> , 2022, 199, 54-66.	1.9	30
25	Development and validation of a selective HPLC-UV method for thymol determination in skin permeation experiments. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1022, 81-86.	1.2	29
26	Evaluation of carvedilol compatibility with lipid excipients for the development of lipid-based drug delivery systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2337-2344.	2.0	29
27	Polymorphic screen and drug-excipient compatibility studies of the antichagasic benznidazole. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 106, 819-824.	2.0	28
28	Preformulation studies of itraconazole associated with benznidazole and pharmaceutical excipients. <i>Thermochimica Acta</i> , 2014, 575, 29-33.	1.2	28
29	Nanotechnology advances for hair loss. <i>Therapeutic Delivery</i> , 2018, 9, 593-603.	1.2	28
30	Key Technical Aspects Influencing the Accuracy of Tablet Subdivision. <i>AAPS PharmSciTech</i> , 2017, 18, 1393-1401.	1.5	26
31	Dissolution rate enhancement of the novel antitumoral $\hat{1}^2$ -lapachone by solvent change precipitation of microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 871-877.	2.0	25
32	Carvedilol: decomposition kinetics and compatibility with pharmaceutical excipients. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2501-2506.	2.0	25
33	Hot Melt Extrudates Formulated Using Design Space: One Simple Process for Both Palatability and Dissolution Rate Improvement. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 286-296.	1.6	25
34	Development and validation of a simple chromatographic method for simultaneous determination of clindamycin phosphate and rifampicin in skin permeation studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 331-340.	1.4	25
35	Mixture design applied in compatibility studies of catechin and lipid compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 612-617.	1.4	24
36	Incorporation of <i>Eugenia dysenterica</i> extract in microemulsions preserves stability, antioxidant effect and provides enhanced cutaneous permeation. <i>Journal of Molecular Liquids</i> , 2018, 265, 408-415.	2.3	24

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37	Hot melt-extrusion improves the properties of cyclodextrin-based poly(pseudo)rotaxanes for transdermal formulation. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119510.	2.6	24
38	Temperature-Sensitive Gels for Intratumoral Delivery of β -Lapachone: Effect of Cyclodextrins and Ethanol. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	0.8	22
39	Iontophoresis enhances voriconazole antifungal potency and corneal penetration. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118991.	2.6	21
40	Development of carvedilol-cyclodextrin inclusion complexes using fluid-bed granulation: a novel solid-state complexation alternative with technological advantages. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 1299-1309.	1.2	20
41	Latanoprost Loaded in Polymeric Nanocapsules for Effective Topical Treatment of Alopecia. <i>AAPS PharmSciTech</i> , 2020, 21, 305.	1.5	20
42	Topical Treatment for Scarring and Non-Scarring Alopecia: An Overview of the Current Evidence. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2021, Volume 14, 485-499.	0.8	19
43	Novel iron oxide nanocarriers loading finasteride or dutasteride: Enhanced skin penetration for topical treatment of alopecia. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119709.	2.6	18
44	Follicular-targeted delivery of spironolactone provided by polymeric nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112101.	2.5	18
45	Novel ex vivo protocol using porcine vagina to assess drug permeation from mucoadhesive and colloidal pharmaceutical systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 222-228.	2.5	17
46	Thermal and Physical Properties of Crude Palm Oil with Higher Oleic Content. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7094.	1.3	17
47	Selection of excipients for the development of carvedilol loaded lipid-based drug delivery systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1593-1604.	2.0	16
48	SLN- and NLC-Encapsulating Antifungal Agents: Skin Drug Delivery and their Unexplored Potential for Treating Onychomycosis. <i>Current Pharmaceutical Design</i> , 2018, 23, 6684-6695.	0.9	16
49	Combination of cyclodextrin complexation and iontophoresis as a promising strategy for the cutaneous delivery of aluminum-chloride phthalocyanine in photodynamic therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 139, 105056.	1.9	16
50	Nanostructured lipid carriers for hair follicle-targeted delivery of clindamycin and rifampicin to hidradenitis suppurativa treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111448.	2.5	16
51	Light effect on the stability of β -lapachone in solution: pathways and kinetics of degradation. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1156-1160.	1.2	15
52	Simultaneous determination of benzimidazole and itraconazole using spectrophotometry applied to the analysis of mixture: A tool for quality control in the development of formulations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 48-52.	2.0	15
53	Versatile chromatographic method for catechin determination in development of topical formulations containing natural extracts. <i>Biomedical Chromatography</i> , 2018, 32, e4062.	0.8	15
54	Preformulation studies of finasteride to design matrix systems for topical delivery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 273-279.	1.4	15

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55	Microemulsions incorporating <i>Brosimum gaudichaudii</i> extracts as a topical treatment for vitiligo: In vitro stimulation of melanocyte migration and pigmentation. <i>Journal of Molecular Liquids</i> , 2019, 294, 111685.	2.3	15
56	Application of hot-melt extrusion in the complexation of naringenin with cyclodextrin using hydrophilic polymers. <i>Advanced Powder Technology</i> , 2022, 33, 103380.	2.0	15
57	Nanostructured lipid carriers loaded with an association of minoxidil and latanoprost for targeted topical therapy of alopecia. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 172, 78-88.	2.0	15
58	Development and Validation of a Simple and Selective Analytical HPLC Method for the Quantification of Oxaliplatin. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	0.9	14
59	LC-MS bioanalytical method for simultaneous determination of latanoprost and minoxidil in the skin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 187, 113373.	1.4	14
60	Oscillatory shear rheology as an in-process control tool for 3D printing medicines production by fused deposition modeling. <i>Journal of Manufacturing Processes</i> , 2022, 76, 850-862.	2.8	14
61	$\hat{\Gamma}^2$ -Lapachone. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o473-o475.	0.4	13
62	Subdivision of Tablets Containing Modified Delivery Technology: the Case of Orally Disintegrating Tablets. <i>Journal of Pharmaceutical Innovation</i> , 2018, 13, 261-269.	1.1	13
63	The Effects of Fillers and Binders on the Accuracy of Tablet Subdivision. <i>AAPS PharmSciTech</i> , 2018, 19, 2929-2933.	1.5	13
64	Modulated dissolution rate from the inclusion complex of antichagasic benzimidazole and cyclodextrin using hydrophilic polymer. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 1035-1041.	1.1	12
65	Nanostructured lipid carriers for targeting drug delivery to the epidermal layer. <i>Therapeutic Delivery</i> , 2016, 7, 735-737.	1.2	12
66	Hot-Melt Extrusion as an Advantageous Technology to Obtain Effervescent Drug Products. <i>Pharmaceutics</i> , 2020, 12, 779.	2.0	12
67	Preformulation Studies to Guide the Production of Medicines by Fused Deposition Modeling 3D Printing. <i>AAPS PharmSciTech</i> , 2021, 22, 263.	1.5	12
68	In situ gelling microemulsion for topical ocular delivery of moxifloxacin and betamethasone. <i>Journal of Molecular Liquids</i> , 2022, 360, 119559.	2.3	12
69	Benzimidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o634-o634.	0.2	11
70	Effect of storage conditions on the stability of $\hat{\Gamma}^2$ -lapachone in solid state and in solution. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 798-806.	1.2	11
71	Compacted Multiparticulate Systems for Colon-Specific Delivery of Ketoprofen. <i>AAPS PharmSciTech</i> , 2017, 18, 2260-2268.	1.5	11
72	Chromatographic method for clobetasol propionate determination in hair follicles and in different skin layers. <i>Biomedical Chromatography</i> , 2017, 31, e3804.	0.8	11

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73	Preformulation studies to guide the development of raloxifene lipid-based delivery systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 365-371.	2.0	11
74	Dissolution Enhancement in Cocoa Extract, Combining Hydrophilic Polymers through Hot-Melt Extrusion. <i>Pharmaceutics</i> , 2018, 10, 135.	2.0	11
75	Compatibility and stability studies involving polymers used in fused deposition modeling 3D printing of medicines. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 424-435.	2.4	11
76	New perspectives on the topical management of recurrent candidiasis. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1568-1585.	3.0	10
77	Preparation of benzimidazole pellets for immediate drug delivery using the extrusion spherulization technique. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 762-769.	0.9	9
78	Stability indicating analytical method of quantifying spironolactone and canrenone in dermatological formulations and iontophoretic skin permeation experiments. <i>Biomedical Chromatography</i> , 2019, 33, e4656.	0.8	9
79	The influence of sebaceous content on the performance of nanosystems designed for the treatment of follicular diseases. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 59, 101895.	1.4	9
80	Development and physical evaluation of <i>Maytenus ilicifolia</i> effervescent granules using factorial design. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2014, 50, 243-250.	1.2	8
81	The Influence of Matrix Technology on the Subdivision of Sustained Release Matrix Tablets. <i>AAPS PharmSciTech</i> , 2020, 21, 8.	1.5	8
82	Evolution of quality on pharmaceutical design: regulatory requirement?. <i>Accreditation and Quality Assurance</i> , 2017, 22, 199-205.	0.4	7
83	Improvements of theobromine pharmaceutical properties using solid dispersions prepared with newfound technologies. <i>Chemical Engineering Research and Design</i> , 2018, 132, 1193-1201.	2.7	7
84	The subdivision behavior of polymeric tablets. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118554.	2.6	7
85	Skin Regenerative Potential of Cupuaçu Seed Extract (<i>Theobroma grandiflorum</i>), a Native Fruit from the Amazon: Development of a Topical Formulation Based on Chitosan-Coated Nanocapsules. <i>Pharmaceutics</i> , 2022, 14, 207.	2.0	7
86	Co-processed extracts of <i>Cassia angustifolia</i> Vahl, Fabaceae, and <i>Maytenus ilicifolia</i> (Schrad.) Planch., Celastraceae, for production of high load tablets. <i>Revista Brasileira De Farmacognosia</i> , 2011, 21, 510-517.	0.6	6
87	Granules of finasteride and cyclodextrin obtained by hot-melt extrusion to target the hair follicles. <i>Powder Technology</i> , 2021, 391, 311-320.	2.1	6
88	Simple and Selective HPLC-UV/Vis Bioanalytical Method to Determine Aluminum Phthalocyanine Chloride in Skin Permeation Studies. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-7.	0.7	5
89	The utility of thermal analysis in the preformulation and development of an antifungal nail lacquer containing thymol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 177-185.	2.0	5
90	In vitro skin model for the evaluation of burn healing drug delivery systems. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 62, 102330.	1.4	5

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91	The influence of porosity on tablet subdivision. <i>Particology</i> , 2020, 53, 192-196.	2.0	4
92	Subdivision of modified-release tablets: state-of-the-art and future perspectives. <i>Therapeutic Delivery</i> , 2020, 11, 285-287.	1.2	4
93	Preformulation and characterization of raloxifene-loaded lipid nanoparticles for transdermal administration. <i>Drug Delivery and Translational Research</i> , 2022, 12, 526-537.	3.0	4
94	Effects of Formulation and Manufacturing Process on Drug Release from Solid Self-emulsifying Drug Delivery Systems Prepared by High Shear Mixing. <i>AAPS PharmSciTech</i> , 2021, 22, 254.	1.5	4
95	Oxaliplatin preformulation studies for the development of innovative topical drug delivery systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1671-1681.	2.0	3
96	Development of a reversed-phase high-performance liquid chromatographic method for the determination of propranolol in different skin layers. <i>Biomedical Chromatography</i> , 2021, 35, e4987.	0.8	3
97	Comparison of Clobetasol Propionate Generics Using Simplified In vitro Bioequivalence Method for Topical Drug Products. <i>Current Drug Delivery</i> , 2018, 15, 998-1008.	0.8	3
98	As boas práticas de fabricação de medicamentos e suas determinantes. <i>Vigilância Sanitária Em Debate: Sociedade, Ciência & Tecnologia</i> , 2017, 5, 34.	0.3	3
99	Fast dissolving Î²-lapachone particles and tablets: an approach using surface adsorption technique. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 866-871.	0.9	2
100	Iontophoresis on minoxidil sulphate-loaded chitosan nanoparticles accelerates drug release, decreasing their targeting effect to hair follicles. <i>Quimica Nova</i> , 0, , .	0.3	2
101	Three-dimensional printed personalized drug devices with anatomical fit: a review. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 1391-1405.	1.2	2
102	Topical ophthalmic antimicrobials: unfulfilled demands and possibility of new investments in Brazil and in the United States. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 55, .	1.2	2
103	Validation of a simple chromatographic method for naringenin quantification in skin permeation experiments. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1201-1202, 123291.	1.2	2
104	Overcoming hurdles in iontophoretic drug delivery: is skin the only barrier? An update. <i>Therapeutic Delivery</i> , 2019, 10, 211-214.	1.2	1
105	Elucidating the Splitting Behavior of Tablets to Optimize the Pharmacotherapy in Veterinary Medicine. <i>AAPS PharmSciTech</i> , 2021, 22, 67.	1.5	1
106	Thermal analysis applied to the development of nanostructured lipid carriers loading propranolol using quality-by-design strategies. <i>Thermochimica Acta</i> , 2022, 708, 179143.	1.2	1
107	Regulatory Requirements and Innovation: A Comparison of the Dermatologic Antifungal Drug Product Markets in Brazil and United States. <i>Therapeutic Innovation and Regulatory Science</i> , 2019, 53, 661-668.	0.8	0
108	Aqueous-Based Nanoemulsion Containing (-)-Î±-Bisabolol for Topical Treatment of Skin burns. <i>Current Cosmetic Science</i> , 2021, 01, .	0.1	0