

Guilherme M Gelfuso

List of Publications by Year in descending order

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106
papers

2,581
citations

201575

27
h-index

243529

44
g-index

110
all docs

110
docs citations

110
times ranked

3089
citing authors

#	ARTICLE	IF	CITATIONS
1	A poloxamer/chitosan in situ forming gel with prolonged retention time for ocular delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 186-193.	2.0	283
2	Enhancing and sustaining the topical ocular delivery of fluconazole using chitosan solution and poloxamer/chitosan in situ forming gel. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 320-327.	2.0	135
3	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
4	Chitosan nanoparticles for targeting and sustaining minoxidil sulphate delivery to hair follicles. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 225-229.	3.6	98
5	Liposomal voriconazole (VOR) formulation for improved ocular delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 331-338.	2.5	79
6	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
7	Chitosan microparticles for sustaining the topical delivery of minoxidil sulphate. <i>Journal of Microencapsulation</i> , 2011, 28, 650-658.	1.2	54
8	Wound Healing Effect of Essential Oil Extracted from <i>Eugenia dysenterica</i> DC (Myrtaceae) Leaves. <i>Molecules</i> , 2019, 24, 2.	1.7	53
9	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
10	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
11	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
12	Improving stability of antioxidant compounds from <i>Plinia cauliflora</i> (jabuticaba) fruit peel extract by encapsulation in chitosan microparticles. <i>Journal of Food Engineering</i> , 2018, 238, 195-201.	2.7	48
13	Besifloxacin liposomes with positively charged additives for an improved topical ocular delivery. <i>Scientific Reports</i> , 2020, 10, 19285.	1.6	37
14	The Effects of pH and Ionic Strength on Topical Delivery of a Negatively Charged Porphyrin (TPPS4). <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4249-4257.	1.6	36
15	The influence of positive or negative charges in the passive and iontophoretic skin penetration of porphyrins used in photodynamic therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 249-256.	2.0	36
16	Iontophoresis-Targeted, Follicular Delivery of Minoxidil Sulfate for the Treatment of Alopecia. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1488-1494.	1.6	36
17	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
18	Solid effervescent formulations as new approach for topical minoxidil delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 411-419.	1.9	34

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19	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
20	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
21	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
22	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
23	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
24	Iontophoretic transport kinetics of ketorolac in vitro and in vivo: Demonstrating local enhanced topical drug delivery to muscle. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 219-226.	2.0	31
25	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
26	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
27	Effect of physical stimuli on hair follicle deposition of clobetasol-loaded Lipid Nanocarriers. <i>Scientific Reports</i> , 2020, 10, 176.	1.6	30
28	Polymeric nanocapsules: A review on design and production methods for pharmaceutical purpose. <i>Methods</i> , 2022, 199, 54-66.	1.9	30
29	Excised Porcine Cornea Integrity Evaluation in an in vitro Model of Iontophoretic Ocular Research. <i>Ophthalmic Research</i> , 2010, 43, 208-216.	1.0	29
30	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
31	Chemical and physical strategies in onychomycosis topical treatment: A review. <i>Medical Mycology</i> , 2017, 55, myw084.	0.3	28
32	Nanotechnology advances for hair loss. <i>Therapeutic Delivery</i> , 2018, 9, 593-603.	1.2	28
33	Assessment of the percutaneous penetration of cisplatin: The effect of monoolein and the drug skin penetration pathway. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 90-94.	2.0	27
34	Iontophoretic transport of zinc phthalocyanine tetrasulfonic acid as a tool to improve drug topical delivery. <i>Anti-Cancer Drugs</i> , 2011, 22, 783-793.	0.7	27
35	Iontophoresis of minoxidil sulphate loaded microparticles, a strategy for follicular drug targeting?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 408-412.	2.5	27
36	Key Technical Aspects Influencing the Accuracy of Tablet Subdivision. <i>AAPS PharmSciTech</i> , 2017, 18, 1393-1401.	1.5	26

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37	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
38	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
39	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
40	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
41	Iontophoresis enhances voriconazole antifungal potency and corneal penetration. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118991.	2.6	21
42	Microspheres prepared with different co-polymers of poly(lactic-glycolic acid) (PLGA) or with chitosan cause distinct effects on macrophages. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 678-686.	2.5	20
43	Latanoprost Loaded in Polymeric Nanocapsules for Effective Topical Treatment of Alopecia. <i>AAPS PharmSciTech</i> , 2020, 21, 305.	1.5	20
44	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
45	Biodegradable microspheres containing leukotriene B4 and cell-free antigens from <i>Histoplasma capsulatum</i> activate murine bone marrow-derived macrophages. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 580-588.	1.9	18
46	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
47	Follicular-targeted delivery of spironolactone provided by polymeric nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112101.	2.5	18
48	Princípios básicos e aplicação da iontoforese na penetração cutânea de fármacos. <i>Química Nova</i> , 2008, 31, 1490-1498.	0.3	17
49	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
50	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
51	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
52	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
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	Prostaglandin D2-loaded microspheres effectively activate macrophage effector functions. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 132-139.	1.9	13
62	Minoxidil topical treatment may be more efficient if applied on damp scalp in comparison with dry scalp. <i>Dermatologic Therapy</i> , 2016, 29, 330-333.	0.8	13
63	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
64	Current efforts and the potential of nanomedicine in treating fungal keratitis. <i>Expert Review of Ophthalmology</i> , 2010, 5, 365-384.	0.3	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	Topical and Transdermal Delivery of Drug-Loaded Nano/ Microsystems with Application of Physical Enhancement Techniques. <i>Current Drug Targets</i> , 2016, 17, 1545-1559.	1.0	12
68	Preformulation Studies to Guide the Production of Medicines by Fused Deposition Modeling 3D Printing. <i>AAPS PharmSciTech</i> , 2021, 22, 263.	1.5	12
69	In situ gelling microemulsion for topical ocular delivery of moxifloxacin and betamethasone. <i>Journal of Molecular Liquids</i> , 2022, 360, 119559.	2.3	12
70	Hyaluronidase-Loaded PLGA Microparticles as a New Strategy for the Treatment of Pulmonary Fibrosis. <i>Tissue Engineering - Part A</i> , 2015, 21, 246-256.	1.6	11
71	Chromatographic method for clobetasol propionate determination in hair follicles and in different skin layers. <i>Biomedical Chromatography</i> , 2017, 31, e3804.	0.8	11
72	Dissolution Enhancement in Cocoa Extract, Combining Hydrophilic Polymers through Hot-Melt Extrusion. <i>Pharmaceutics</i> , 2018, 10, 135.	2.0	11

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73	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
74	Anti-inflammatory, antimycobacterial and genotoxic evaluation of <i>Dolioscarpus dentatus</i> . <i>Journal of Ethnopharmacology</i> , 2017, 204, 18-25.	2.0	10
75	New perspectives on the topical management of recurrent candidiasis. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1568-1585.	3.0	10
76	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
77	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
78	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
79	The Influence of Matrix Technology on the Subdivision of Sustained Release Matrix Tablets. <i>AAPS PharmSciTech</i> , 2020, 21, 8.	1.5	8
80	Evolution of quality on pharmaceutical design: regulatory requirement?. <i>Accreditation and Quality Assurance</i> , 2017, 22, 199-205.	0.4	7
81	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
82	Emulsion incorporating <i>Eugenia dysenterica</i> aqueous extract entrapped in chitosan microparticles as a novel topical treatment of cutaneous infections. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101372.	1.4	7
83	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
84	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
85	An Update of the Brazilian Regulatory Bioequivalence Recommendations for Approval of Generic Topical Dermatological Drug Products. <i>AAPS Journal</i> , 2015, 17, 1517-1518.	2.2	5
86	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
87	Phonophoretic application of a glucosamine and chondroitin nanoemulsion for treatment of knee chondropathies. <i>Nanomedicine</i> , 2020, 15, 647-659.	1.7	5
88	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
89	Active Potential of Bacterial Cellulose-Based Wound Dressing: Analysis of Its Potential for Dermal Lesion Treatment. <i>Pharmaceutics</i> , 2022, 14, 1222.	2.0	5
90	Influence of monoolein on progesterone transdermal delivery. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2015, 51, 923-929.	1.2	4

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91	The influence of porosity on tablet subdivision. <i>Particuology</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	Overcoming hurdles in iontophoretic drug delivery: is skin the only barrier?. <i>Therapeutic Delivery</i> , 2014, 5, 493-496.	1.2	3
94	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
95	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
96	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
97	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
98	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
99	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
100	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
101	Overcoming hurdles in iontophoretic drug delivery: is skin the only barrier? – An update. <i>Therapeutic Delivery</i> , 2019, 10, 211-214.	1.2	1
102	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
103	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
104	Aqueous-Based Nanoemulsion Containing (-)- α -Bisabolol for Topical Treatment of Skin burns. <i>Current Cosmetic Science</i> , 2021, 01, .	0.1	0
105	Injeção sem agulhas: aplicações médicas e. <i>Brasília Médica</i> , 2014, 50, 253-260.	0.0	0
106	Nanostructured Lipid Carriers Loaded with an Association of Minoxidil and Latanoprost for Targeted Topical Therapy of Alopecia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0