

# Alicia LÃ³pez Castellano

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,162  
citations

430442

18  
h-index

377514

34  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1053  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iontophoresis: electrorepulsion and electroosmosis. <i>Journal of Controlled Release</i> , 2000, 64, 129-132.	4.8	270
2	Comparative enhancer effects of Span20 with Tween20 and Azone on the in vitro percutaneous penetration of compounds with different lipophilicities. <i>International Journal of Pharmaceutics</i> , 2000, 202, 133-140.	2.6	127
3	Effect of chemical enhancers on the in vitro percutaneous absorption of sumatriptan succinate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 61, 50-55.	2.0	86
4	Electrorepulsion versus electroosmosis: effect of pH on the iontophoretic flux of 5-fluorouracil. <i>Pharmaceutical Research</i> , 1999, 16, 758-761.	1.7	73
5	Noninvasive sampling of phenylalanine by reverse iontophoresis. <i>Journal of Controlled Release</i> , 1999, 61, 65-69.	4.8	54
6	Transdermal iontophoresis of dexamethasone sodium phosphate in vitro and in vivo: Effect of experimental parameters and skin type on drug stability and transport kinetics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 173-178.	2.0	43
7	Influence of sodium lauryl sulphate on the in vitro percutaneous absorption of compounds with different lipophilicity. <i>European Journal of Pharmaceutical Sciences</i> , 1997, 5, 15-22.	1.9	36
8	Using transdermal iontophoresis to increase granisetron delivery across skin in vitro and in vivo: Effect of experimental conditions and a comparison with other enhancement strategies. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 387-393.	1.9	32
9	Effect of iontophoresis on in vitro transdermal absorption of almotriptan. <i>International Journal of Pharmaceutics</i> , 2011, 416, 189-194.	2.6	32
10	Transdermal absorption of memantine – Effect of chemical enhancers, iontophoresis, and role of enhancer lipophilicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 164-170.	2.0	32
11	High-performance liquid chromatographic determination of sumatriptan after in vitro transdermal diffusion studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 621-626.	1.4	31
12	Combination strategies for enhancing transdermal absorption of sumatriptan through skin. <i>International Journal of Pharmaceutics</i> , 2006, 323, 125-130.	2.6	30
13	Bioadhesive monolayer film for the in vitro transdermal delivery of sumatriptan. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1561-1569.	1.6	29
14	The influence of Span20 on stratum corneum lipids in Langmuir monolayers: comparison with Azone. <i>International Journal of Pharmaceutics</i> , 2000, 203, 245-253.	2.6	25
15	Sumatriptan Succinate Transdermal Delivery Systems for The Treatment of Migraine. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2102-2109.	1.6	24
16	Iontophoretic Transdermal Delivery of Sumatriptan: Effect of Current Density and Ionic Strength. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 2183-2186.	1.6	21
17	A mathematical approach to predicting the percutaneous absorption enhancing effect of sodium lauryl sulphate. <i>International Journal of Pharmaceutics</i> , 2004, 269, 121-129.	2.6	20
18	Micelles of Progesterone for Topical Eye Administration: Interspecies and Intertissues Differences in Ex Vivo Ocular Permeability. <i>Pharmaceutics</i> , 2020, 12, 702.	2.0	20

#	ARTICLE	IF	CITATIONS
19	Influence of Chemical Enhancers and Iontophoresis on the In Vitro Transdermal Permeation of Propranolol: Evaluation by Dermatopharmacokinetics. <i>Pharmaceutics</i> , 2018, 10, 265.	2.0	19
20	Development of antimigraine transdermal delivery systems of pizotifen malate. <i>International Journal of Pharmaceutics</i> , 2015, 492, 223-232.	2.6	14
21	Transdermal therapeutic systems for memantine delivery. Comparison of passive and iontophoretic transport. <i>International Journal of Pharmaceutics</i> , 2017, 517, 104-111.	2.6	14
22	Ex vivo rabbit cornea diffusion studies with a soluble insert of moxifloxacin. <i>Drug Delivery and Translational Research</i> , 2018, 8, 132-139.	3.0	14
23	Skin permeation model of phenyl alcohols: comparison of experimental conditions. <i>International Journal of Pharmaceutics</i> , 1998, 173, 183-191.	2.6	13
24	Elastic vesicles of sumatriptan succinate for transdermal administration: characterization and in vitro permeation studies. <i>Journal of Liposome Research</i> , 2011, 21, 55-59.	1.5	12
25	Combined strategies for enhancing the transdermal absorption of midazolam through human skin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1096-1102.	1.2	11
26	Development and evaluation of occlusive systems employing polyvinyl alcohol for transdermal delivery of sumatriptan succinate. <i>Drug Delivery</i> , 2010, 17, 83-91.	2.5	10
27	Anti-angiogenic drug loaded liposomes: Nanotherapy for early atherosclerotic lesions in mice. <i>PLoS ONE</i> , 2018, 13, e0190540.	1.1	9
28	Skin permeation model of phenylalkylcarboxylic homologous acids and their enhancer effect on percutaneous penetration of 5-Fluorouracil. <i>International Journal of Pharmaceutics</i> , 1996, 139, 205-213.	2.6	8
29	The enhancer effect of several phenyl alcohols on percutaneous penetration of 5-fluorouracil. <i>Pharmaceutical Research</i> , 1997, 14, 681-685.	1.7	8
30	Comparing metoclopramide electrotransport kinetics in vitro and in vivo. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 353-359.	1.9	8
31	Development, characterization, and ex vivo evaluation of an insert for the ocular administration of progesterone. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120921.	2.6	8
32	HPLC-UV analytical validation of a method for quantification of progesterone in ex vivo trans-corneal and trans-scleral diffusion studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113749.	1.4	7
33	Ex-Vivo Trans-Corneal and Trans-Scleral Diffusion Studies with Ocular Formulations of Glutathione as an Antioxidant Treatment for Ocular Diseases. <i>Pharmaceutics</i> , 2020, 12, 861.	2.0	5
34	High-Performance Liquid Chromatographic Ultraviolet Determination of Memantine Hydrochloride after In Vitro Transdermal Diffusion Studies. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	0.9	4
35	A UHPLC-UV Method to Quantify Skin Deposition and Transdermal Permeation of Tizanidine Hydrochloride. <i>Journal of Chromatographic Science</i> , 2016, 54, 790-795.	0.7	3
36	Topical Ocular Administration of Progesterone Decreases Photoreceptor Cell Death in Retinal Degeneration Slow (rds) Mice. <i>Pharmaceutics</i> , 2022, 15, 328.	1.7	3

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37	HPLCâ€UV analytical method for determination of pizotifen after <i>in vitro</i> transdermal diffusion studies. Biomedical Chromatography, 2012, 26, 769-774.	0.8	2
38	Evaluation of Percutaneous Absorption of Esculetin: Effect of Chemical Enhancers. Planta Medica, 2013, 79, 131-136.	0.7	2
39	3D Printing of Temporary Prostheses for Controlled-Release of Drugs: Design, Physical Characterization and Preliminary Studies. Pharmaceuticals, 2021, 14, 1240.	1.7	2
40	Chemical Enhancers. , 2012, , 23-40.		0