

Sara Nicoli

List of Publications by Year in descending order

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81
papers

2,849
citations

159525

30
h-index

189801

50
g-index

83
all docs

83
docs citations

83
times ranked

3338
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric micelles in drug delivery: An insight of the techniques for their characterization and assessment in biorelevant conditions. <i>Journal of Controlled Release</i> , 2021, 332, 312-336.	4.8	429
2	Surface-Modified Nanocarriers for Nose-to-Brain Delivery: From Bioadhesion to Targeting. <i>Pharmaceutics</i> , 2018, 10, 34.	2.0	206
3	Bioadhesive film for the transdermal delivery of lidocaine: in vitro and in vivo behavior. <i>Journal of Controlled Release</i> , 2003, 88, 277-285.	4.8	99
4	Poloxamer 407/TPGS Mixed Micelles as Promising Carriers for Cyclosporine Ocular Delivery. <i>Molecular Pharmaceutics</i> , 2018, 15, 571-584.	2.3	99
5	Cell penetrating peptides in ocular drug delivery: State of the art. <i>Journal of Controlled Release</i> , 2018, 284, 84-102.	4.8	84
6	Porcine sclera as a model of human sclera for in vitro transport experiments: histology, SEM, and comparative permeability. <i>Molecular Vision</i> , 2009, 15, 259-66.	1.1	69
7	Single-layer transdermal film containing lidocaine: Modulation of drug release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 66, 422-428.	2.0	59
8	Topical application of polymeric nanomicelles in ophthalmology: a review on research efforts for the noninvasive delivery of ocular therapeutics. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 397-413.	2.4	57
9	Design of triptorelin loaded nanospheres for transdermal iontophoretic administration. <i>International Journal of Pharmaceutics</i> , 2001, 214, 31-35.	2.6	56
10	A new approach to describe the skin surface physical properties in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 68, 200-206.	2.5	55
11	In vitro acyclovir distribution in human skin layers after transdermal iontophoresis. <i>Journal of Controlled Release</i> , 1998, 50, 291-296.	4.8	54
12	Hydrogel-thickened nanoemulsions based on essential oils for topical delivery of psoralen: Permeation and stability studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 38-50.	2.0	53
13	Development of a Convenient ex vivo Model for the Study of the Transcorneal Permeation of Drugs: Histological and Permeability Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 63-71.	1.6	52
14	Characterization of Rabbit Ear Skin as a Skin Model for in vitro Transdermal Permeation Experiments: Histology, Lipid Composition and Permeability. <i>Skin Pharmacology and Physiology</i> , 2008, 21, 218-226.	1.1	48
15	Development of microemulsions of suitable viscosity for cyclosporine skin delivery. <i>International Journal of Pharmaceutics</i> , 2018, 545, 197-205.	2.6	47
16	Bioadhesive Films Containing Benzocaine: Correlation Between In Vitro Permeation and In Vivo Local Anesthetic Effect. <i>Pharmaceutical Research</i> , 2010, 27, 1677-1686.	1.7	45
17	Mechanisms of imiquimod skin penetration. <i>International Journal of Pharmaceutics</i> , 2016, 511, 516-523.	2.6	43
18	Effect of chemical enhancers and iontophoresis on thiocolchicoside permeation across rabbit and human skin in vitro. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2431-2438.	1.6	42

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19	In-vitro permeation of bevacizumab through human sclera: effect of iontophoresis application. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1189-1194.	1.2	41
20	Assay of amikacin in the skin by high-performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 994-997.	1.4	38
21	In vitro transscleral iontophoresis of high molecular weight neutral compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 486-492.	1.9	38
22	<i>In vitro</i> skin permeation and retention of parabens from cosmetic formulations. <i>International Journal of Cosmetic Science</i> , 2007, 29, 361-367.	1.2	37
23	Ethyl-paraben and nicotinamide mixtures: Apparent solubility, thermal behavior and X-ray structure of the 1:1 co-crystal. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4830-4839.	1.6	36
24	Cyclosporine-loaded cross-linked inserts of sodium hyaluronan and hydroxypropyl- β -cyclodextrin for ocular administration. <i>Carbohydrate Polymers</i> , 2018, 201, 308-316.	5.1	34
25	Association of nicotinamide with parabens: Effect on solubility, partition and transdermal permeation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 613-621.	2.0	33
26	New transdermal bioadhesive film containing oxybutynin: In vitro permeation across rabbit ear skin. <i>International Journal of Pharmaceutics</i> , 2006, 325, 2-7.	2.6	32
27	Characterization of the permselective properties of rabbit skin during transdermal iontophoresis. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 1482-1488.	1.6	30
28	$\hat{\alpha}$ -Tocopherol pro-vitamins: synthesis, hydrolysis and accumulation in rabbit ear skin. <i>Journal of Controlled Release</i> , 2004, 99, 403-413.	4.8	30
29	Effect of lactic acid and iontophoresis on drug permeation across rabbit ear skin. <i>International Journal of Pharmaceutics</i> , 2005, 292, 119-126.	2.6	30
30	Ex vivo models to evaluate the role of ocular melanin in trans-scleral drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 475-483.	1.9	30
31	Lipid-Based Nanocarriers for Ophthalmic Administration: Towards Experimental Design Implementation. <i>Pharmaceutics</i> , 2021, 13, 447.	2.0	30
32	Bioadhesive monolayer film for the in vitro transdermal delivery of sumatriptan. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1561-1569.	1.6	29
33	Dermatopharmacokinetics: Factors Influencing Drug Clearance from the Stratum Corneum. <i>Pharmaceutical Research</i> , 2009, 26, 865-871.	1.7	29
34	Gel-like TPGS-Based Microemulsions for Imiquimod Dermal Delivery: Role of Mesostructure on the Uptake and Distribution into the Skin. <i>Molecular Pharmaceutics</i> , 2017, 14, 3281-3289.	2.3	29
35	Release and permeation kinetics of caffeine from bioadhesive transdermal films. <i>AAPS Journal</i> , 2005, 7, E218-E223.	2.2	28
36	Effect of pH and penetration enhancers on cysteamine stability and trans-corneal transport. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 171-179.	2.0	28

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37	Microemulsion containing triamcinolone acetonide for buccal administration. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 233-239.	1.9	28
38	In Vivo Assessment of Clobetasol Propionate-Loaded Lecithin-Chitosan Nanoparticles for Skin Delivery. <i>International Journal of Molecular Sciences</i> , 2017, 18, 32.	1.8	27
39	Bioadhesive film for dermal and transdermal drug delivery. <i>European Journal of Dermatology</i> , 2007, 17, 309-12.	0.3	27
40	Permeation of Proteins, Oligonucleotide and Dextrans Across Ocular Tissues: Experimental Studies and a Literature Update. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2190-2202.	1.6	26
41	New Insights on the Mechanism of Fatty Acids as Buccal Permeation Enhancers. <i>Pharmaceutics</i> , 2018, 10, 201.	2.0	25
42	Innovative formulations for the delivery of levothyroxine to the skin. <i>International Journal of Pharmaceutics</i> , 2009, 372, 12-16.	2.6	24
43	Design and Synthesis of New Cell Penetrating Peptides: Diffusion and Distribution Inside the Cornea. <i>Molecular Pharmaceutics</i> , 2016, 13, 3876-3883.	2.3	24
44	Validation of a HPLC-UV method for the quantification of budesonide in skin layers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1164, 122512.	1.2	24
45	Physical and chemical enhancement of transdermal delivery of triptorelin. <i>Pharmaceutical Research</i> , 2001, 18, 1634-1637.	1.7	22
46	Effect of lipopeptides and iontophoresis on aciclovir skin delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 702-708.	1.2	22
47	Interpretation of the human skin biotribological behaviour after tape stripping. <i>Journal of the Royal Society Interface</i> , 2011, 8, 934-941.	1.5	22
48	In Vitro Evaluation of Mucoadhesive Films for Gingival Administration of Lidocaine. <i>AAPS PharmSciTech</i> , 2013, 14, 1279-1283.	1.5	21
49	Microemulsions based on TPGS and isostearic acid for imiquimod formulation and skin delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 125, 223-231.	1.9	21
50	Bioadhesive Transdermal Film Containing Caffeine. <i>Skin Pharmacology and Physiology</i> , 2004, 17, 119-123.	1.1	20
51	Ex Vivo Conjunctival Retention and Transconjunctival Transport of Poorly Soluble Drugs Using Polymeric Micelles. <i>Pharmaceutics</i> , 2019, 11, 476.	2.0	20
52	Effect of formulation factors on the trans-scleral iontophoretic and post-iontophoretic transports of a 40kDa dextran in vitro. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 503-508.	1.9	19
53	Trans-scleral delivery of macromolecules. <i>Therapeutic Delivery</i> , 2011, 2, 1331-1349.	1.2	19
54	In vitro permeability of a model protein across ocular tissues and effect of iontophoresis on the transscleral delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 116-122.	2.0	19

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55	In Vitro Skin Retention of Crisaborole after Topical Application. <i>Pharmaceutics</i> , 2020, 12, 491.	2.0	17
56	Therapeutics and Carriers: The Dual Role of Proteins in Nanoparticles for Ocular Delivery. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 369-385.	1.0	17
57	Thin polymeric films for the topical delivery of propranolol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 582-586.	2.5	16
58	Effect of iontophoresis on the in vitro trans-scleral transport of three single stranded oligonucleotides. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 142-147.	1.9	15
59	In-vitro characterization of buccal iontophoresis: the case of sumatriptan succinate. <i>International Journal of Pharmaceutics</i> , 2016, 506, 420-428.	2.6	15
60	Plasma and Skin Concentration of 5-Methoxypsoralen in Psoriatic Patients After Oral Administration. <i>Journal of Investigative Dermatology</i> , 2001, 117, 379-382.	0.3	14
61	Transdermal delivery of aminoglycosides: Amikacin transport and iontophoretic non-invasive monitoring. <i>Journal of Controlled Release</i> , 2006, 111, 89-94.	4.8	14
62	Improvement of Imiquimod Solubilization and Skin Retention via TPGS Micelles: Exploiting the Co-Solubilizing Effect of Oleic Acid. <i>Pharmaceutics</i> , 2021, 13, 1476.	2.0	14
63	Post-iontophoresis transport of ibuprofen lysine across rabbit ear skin. <i>International Journal of Pharmaceutics</i> , 2003, 266, 69-75.	2.6	13
64	In vitro trans-scleral iontophoresis of methylprednisolone hemisuccinate with short application time and high drug concentration. <i>International Journal of Pharmaceutics</i> , 2013, 451, 12-17.	2.6	12
65	Suitability of Excised Rabbit Ear Skin "Fresh and Frozen" for Evaluating Transdermal Permeation of Estradiol. <i>Drug Delivery</i> , 2007, 14, 195-199.	2.5	11
66	Drug Adsorption on Bovine and Porcine Sclera Studied with Streaming Potential. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2264-2272.	1.6	10
67	Amikacin reverse iontophoresis: Optimization of in vitro extraction. <i>International Journal of Pharmaceutics</i> , 2013, 440, 216-220.	2.6	9
68	Preparation and Evaluation of Chitosan Submicroparticles Containing Pilocarpine for Glaucoma Therapy. <i>Current Drug Delivery</i> , 2015, 12, 491-503.	0.8	9
69	Synthesis, hydrolysis, and skin retention of amino acid esters of α -tocopherol. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 2364-2376.	1.6	8
70	The Influence of Formulation and Excipients on Propranolol Skin Permeation and Retention. <i>BioMed Research International</i> , 2018, 2018, 1-7.	0.9	8
71	Parameters affecting the transscleral delivery of two positively charged proteins of comparable size. <i>International Journal of Pharmaceutics</i> , 2017, 521, 214-221.	2.6	7
72	Mydriatics release from solid and semi-solid ophthalmic formulations using different <i>in vitro</i> methods. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1472-1479.	0.9	7

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73	The role of vehicle metamorphosis on triamcinolone acetonide delivery to the skin from microemulsions. <i>International Journal of Pharmaceutics</i> , 2019, 565, 33-40.	2.6	7
74	Preliminary Investigation on Simvastatin-Loaded Polymeric Micelles in View of the Treatment of the Back of the Eye. <i>Pharmaceutics</i> , 2021, 13, 855.	2.0	7
75	Generic patches containing fentanyl: In vitro equivalence and abuse deterrent evaluation according to EMA and FDA guidelines. <i>International Journal of Pharmaceutics</i> , 2018, 537, 57-63.	2.6	5
76	Synthesis and Ex Vivo Trans-Corneal Permeation of Penetratin Analogues as Ophthalmic Carriers: Preliminary Results. <i>Pharmaceutics</i> , 2020, 12, 728.	2.0	4
77	Combined Patch Containing Salicylic Acid and Nicotinamide: Role of Drug Interaction. <i>Current Drug Delivery</i> , 2010, 7, 415-420.	0.8	3
78	Development and validation of a simple method for the extraction and quantification of crisaborole in skin layers. <i>Biomedical Chromatography</i> , 2019, 33, e4664.	0.8	3
79	Skin Permeation of 5-Methoxypsoralen from Topical Dosage Forms. <i>Drug Development and Industrial Pharmacy</i> , 2003, 29, 247-251.	0.9	2
80	Skin Retention of Sorbates from an After Sun Formulation for a Broad Photoprotection. <i>Cosmetics</i> , 2019, 6, 14.	1.5	2
81	Development and validation of a HPLC-UV based method for the extraction and quantification of methotrexate in the skin. <i>Biomedical Chromatography</i> , 2022, , e5349.	0.8	1