

# Majella E Lane

## List of Publications by Year in descending order

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102  
papers

3,076  
citations

147801

31  
h-index

182427

51  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dermal delivery of amitriptyline for topical analgesia. Drug Delivery and Translational Research, 2022, 12, 805-815.	5.8	4
2	Comment on "Clinical significance of the water retention and barrier function-improving capabilities of ceramide-containing formulations: A qualitative review". Journal of Dermatology, 2022, 49, .	1.2	0
3	Thermal analysis of mammalian stratum corneum using differential scanning calorimetry for advancing skin research and drug delivery. International Journal of Pharmaceutics, 2022, 614, 121447.	5.2	10
4	Advanced structural characterisation of pharmaceuticals using nano-thermal analysis (nano-TA). Advanced Drug Delivery Reviews, 2022, 180, 114077.	13.7	6
5	Skin Barrier Function in Infants: Update and Outlook. Pharmaceutics, 2022, 14, 433.	4.5	12
6	Burns with emollients. BMJ, The, 2022, 376, e066102.	6.0	2
7	A comparison of the <i>in vitro</i> permeation of 3- <i>O</i> -ethyl- <i>l</i> -ascorbic acid in human skin and in a living skin equivalent (LabSkin <sup>®</sup> , <sup>®</sup> ). International Journal of Cosmetic Science, 2021, 43, 107-112.	2.6	7
8	In Vitro-In Vivo Correlation in Dermal Delivery: The Role of Excipients. Pharmaceutics, 2021, 13, 542.	4.5	22
9	Spatial resolution of drug crystallisation in the skin by X-ray micro-computed tomography. Micron, 2021, 145, 103045.	2.2	2
10	Ion Pairs for Transdermal and Dermal Drug Delivery: A Review. Pharmaceutics, 2021, 13, 909.	4.5	17
11	Letter to the Editor Regarding "An Investigation of the Skin Barrier Restoring Effects of a Cream and Lotion Containing Ceramides in a Multi-Vesicular Emulsion in People with Dry, Eczema-Prone Skin: The RESTORE Study Phase I". Dermatology and Therapy, 2021, 11, 2245-2248.	3.0	3
12	Franz Cell Diffusion Testing and Quantitative Confocal Raman Spectroscopy: In Vitro-In Vivo Correlation. Pharmaceutics, 2020, 12, 887.	4.5	19
13	Topical niacinamide enhances hydrophobicity and resilience of corneocyte envelopes on different facial locations. International Journal of Cosmetic Science, 2020, 42, 632-636.	2.6	4
14	Profiling of drug crystallization in the skin. Expert Opinion on Drug Delivery, 2020, 17, 1321-1334.	5.0	11
15	An Investigation of the Influence of PEG 400 and PEG-6-Caprylic/Capric Glycerides on Dermal Delivery of Niacinamide. Polymers, 2020, 12, 2907.	4.5	17
16	Investigation of binary and ternary solvent systems for dermal delivery of methadone. International Journal of Pharmaceutics, 2020, 586, 119538.	5.2	14
17	Topical delivery of niacinamide: Influence of neat solvents. International Journal of Pharmaceutics, 2020, 579, 119137.	5.2	20
18	Topical Delivery of 3-O-ethyl l-ascorbic Acid from Complex Solvent Systems. Scientia Pharmaceutica, 2020, 88, 19.	2.0	9

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19	3D-Printed Franz cells – update on optimization of manufacture and evaluation. International Journal of Cosmetic Science, 2020, 42, 415-419.	2.6	3
20	A proof-of-principle study comparing barrier function and cell morphology in face and body skin. International Journal of Cosmetic Science, 2019, 41, 613-616.	2.6	4
21	3-O-ethyl-l-ascorbic acid: Characterisation and investigation of single solvent systems for delivery to the skin. International Journal of Pharmaceutics: X, 2019, 1, 100025.	1.6	25
22	Characterization and topical delivery of phenylethyl resorcinol. International Journal of Cosmetic Science, 2019, 41, 479-488.	2.6	9
23	The importance of 12-lipoxygenase and transglutaminase activities in the hydration-dependent <i>in vivo</i> maturation of corneocyte envelopes. International Journal of Cosmetic Science, 2019, 41, 563-578.	2.6	11
24	Preparation, Characterization and Dermal Delivery of Methadone. Pharmaceutics, 2019, 11, 509.	4.5	10
25	Preparation, Characterisation, and Topical Delivery of Terbinafine. Pharmaceutics, 2019, 11, 548.	4.5	19
26	A Preliminary Investigation of Additive Manufacture to Fabricate Human Nail Plate Surrogates for Pharmaceutical Testing. Pharmaceutics, 2019, 11, 250.	4.5	3
27	12-lipoxygenase activity is reduced in photodamaged facial stratum corneum. A novel activity assay indicates a key function in corneocyte maturation. International Journal of Cosmetic Science, 2019, 41, 274-280.	2.6	9
28	In Vivo Human Hair Hydration Measurements by Using Opto-Thermal Radiometry. International Journal of Thermophysics, 2019, 40, 1.	2.1	3
29	Topical Delivery of Niacinamide: Influence of Binary and Ternary Solvent Systems. Pharmaceutics, 2019, 11, 668.	4.5	10
30	Monitoring Drug Crystallization in Percutaneous Penetration Using Localized Nanothermal Analysis and Photothermal Microspectroscopy. Molecular Pharmaceutics, 2019, 16, 359-370.	4.6	19
31	A comparison of the <i>in vitro</i> permeation of niacinamide in mammalian skin and in the Parallel Artificial Membrane Permeation Assay (PAMPA) model. International Journal of Pharmaceutics, 2019, 556, 142-149.	5.2	35
32	A new approach to assess the effect of photodamage on corneocyte envelope maturity using combined hydrophobicity and mechanical fragility assays. International Journal of Cosmetic Science, 2018, 40, 207-216.	2.6	13
33	Early-life regional and temporal variation in filaggrin-derived natural moisturizing factor, filaggrin-processing enzyme activity, corneocyte phenotypes and plasmin activity: implications for atopic dermatitis. British Journal of Dermatology, 2018, 179, 431-441.	1.5	43
34	Caffeic acid phenethyl ester is protective in experimental ulcerative colitis via reduction in levels of pro-inflammatory mediators and enhancement of epithelial barrier function. Inflammopharmacology, 2018, 26, 561-569.	3.9	47
35	Use of buccal morphine in the management of pain in children with life-limiting conditions: Results of a laboratory study. Palliative Medicine, 2018, 32, 554-558.	3.1	4
36	3D-Printed Franz type diffusion cells. International Journal of Cosmetic Science, 2018, 40, 604-609.	2.6	7

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37	Disentangling the Complexity of a Hexa-Herbal Chinese Medicine Used for Inflammatory Skin Conditionsâ€”Predicting the Active Components by Combining LC-MS-Based Metabolite Profiles and in vitro Pharmacology. <i>Frontiers in Pharmacology</i> , 2018, 9, 1091.	3.5	10
38	Topical delivery of climbazole to mammalian skin. <i>International Journal of Pharmaceutics</i> , 2018, 549, 317-324.	5.2	23
39	Use of <sc>LC</sc>â€<sc>MS</sc> analysis to elucidate byâ€products of niacinamide transformation following <i>in vitro</i> skin permeation studies. <i>International Journal of Cosmetic Science</i> , 2018, 40, 525-529.	2.6	3
40	Topical delivery of anthramycin II. Influence of binary and ternary solvent systems. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 59-64.	4.0	13
41	Polymeric Nano-Encapsulation of Curcumin Enhances its Anti-Cancer Activity in Breast (MDA-MB231) and Lung (A549) Cancer Cells Through Reduction in Expression of HIF-1 $\alpha$ and Nuclear p65 (Rel A). <i>Current Drug Delivery</i> , 2018, 15, 286-295.	1.6	60
42	A fundamental investigation into aspects of the physiology and biochemistry of the stratum corneum in subjects with sensitive skin. <i>International Journal of Cosmetic Science</i> , 2017, 39, 2-10.	2.6	42
43	Hexamidine salts â€“ applications in skin health and personal care products. <i>International Journal of Cosmetic Science</i> , 2017, 39, 361-365.	2.6	1
44	In vitro permeation and disposition of niacinamide in silicone and porcine skin of skin barrier-mimetic formulations. <i>International Journal of Pharmaceutics</i> , 2017, 520, 158-162.	5.2	15
45	Topical delivery of anthramycin I. Influence of neat solvents. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 104, 188-195.	4.0	28
46	Effect of allergens and irritants on levels of natural moisturizing factor and corneocyte morphology. <i>Contact Dermatitis</i> , 2017, 76, 287-295.	1.4	27
47	Nano-thermal imaging of the stratum corneum and its potential use for understanding of the mechanism of skin penetration enhancer. <i>Thermochimica Acta</i> , 2017, 655, 278-283.	2.7	10
48	The application of ATR-FTIR spectroscopy and multivariate data analysis to study drug crystallisation in the stratum corneum. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 111, 16-25.	4.3	28
49	Effect of different alcohols on stratum corneum kallikrein 5 and phospholipase A <sub>2</sub> together with epidermal keratinocytes and skin irritation. <i>International Journal of Cosmetic Science</i> , 2017, 39, 188-196.	2.6	27
50	Developing Transdermal Applications of Ketorolac Tromethamine Entrapped in Stimuli Sensitive Block Copolymer Hydrogels. <i>Pharmaceutical Research</i> , 2017, 34, 1728-1740.	3.5	37
51	A novel non-invasive diagnostic sampling technique for cutaneous leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005750.	3.0	23
52	Application of three-dimensional printing for colon targeted drug delivery systems. <i>International Journal of Pharmaceutical Investigation</i> , 2017, 7, 47.	0.3	23
53	Variation in stratum corneum protein content as a function of anatomical site and ethnic group. <i>International Journal of Cosmetic Science</i> , 2016, 38, 224-231.	2.6	19
54	A comparative study of the in vitro permeation of ibuprofen in mammalian skin, the PAMPA model and silicone membrane. <i>International Journal of Pharmaceutics</i> , 2016, 505, 14-19.	5.2	49

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55	Topical delivery of hexamidine. <i>International Journal of Pharmaceutics</i> , 2016, 506, 332-339.	5.2	14
56	Huygens principle based UWB microwave imaging method for skin cancer detection. , 2016, , .		13
57	Chemical ultraviolet absorbers topically applied in a skin barrier mimetic formulation remain in the outer stratum corneum of porcine skin. <i>International Journal of Pharmaceutics</i> , 2016, 510, 250-254.	5.2	18
58	Oral transmucosal delivery of naratriptan. <i>International Journal of Pharmaceutics</i> , 2016, 514, 263-269.	5.2	4
59	Advanced topical formulations (ATF). <i>International Journal of Pharmaceutics</i> , 2016, 514, 52-57.	5.2	35
60	A Hexa-Herbal TCM Decoction Used to Treat Skin Inflammation: An LC-MS-Based Phytochemical Analysis. <i>Planta Medica</i> , 2016, 82, 1134-1141.	1.3	24
61	Variation in the activities of late stage filaggrin processing enzymes, calpain <sup>1</sup> and bleomycin hydrolase, together with pyrrolidone carboxylic acid levels, corneocyte phenotypes and plasmin activities in non <sup>1</sup> sun <sup>1</sup> exposed and sun <sup>1</sup> exposed facial stratum corneum of different ethnicities. <i>International Journal of Cosmetic Science</i> , 2016, 38, 567-575.	2.6	21
62	Drug crystallization <sup>1</sup> implications for topical and transdermal delivery. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 817-830.	5.0	56
63	Topical and transdermal delivery of caffeine. <i>International Journal of Pharmaceutics</i> , 2015, 490, 155-164.	5.2	53
64	Modeling of a natural lipstick formulation using an artificial neural network. <i>RSC Advances</i> , 2015, 5, 68632-68638.	3.6	4
65	Transdermal delivery of testosterone. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 92, 42-48.	4.3	34
66	Preparation, characterization and buccal permeation of naratriptan. <i>International Journal of Pharmaceutics</i> , 2015, 493, 146-151.	5.2	10
67	Preparation and characterisation of hexamidine salts. <i>International Journal of Pharmaceutics</i> , 2015, 493, 404-411.	5.2	5
68	Topical therapies for skin cancer and actinic keratosis. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 77, 279-289.	4.0	46
69	The effects of heat on skin barrier function and in vivo dermal absorption. <i>International Journal of Pharmaceutics</i> , 2014, 464, 145-151.	5.2	21
70	Influence of skin penetration enhancers on skin barrier function and skin protease activity. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 118-122.	4.0	49
71	Influence of lidocaine hydrochloride and penetration enhancers on the barrier function of human skin. <i>International Journal of Pharmaceutics</i> , 2014, 477, 416-420.	5.2	11
72	Rotigotine: The first new chemical entity for transdermal drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 586-593.	4.3	35

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73	Percutaneous absorption of salicylic acid " in vitro and in vivo studies. International Journal of Pharmaceutics, 2014, 475, 471-474.	5.2	32
74	Formulation of diclofenac for dermal delivery. International Journal of Pharmaceutics, 2014, 473, 607-616.	5.2	37
75	In Vitro" In Vivo Correlation in Skin Permeation. Pharmaceutical Research, 2014, 31, 394-400.	3.5	80
76	Oral transmucosal drug delivery " Current status and future prospects. International Journal of Pharmaceutics, 2014, 471, 498-506.	5.2	111
77	Transdermal delivery of Angiotensin Converting Enzyme inhibitors. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 1-7.	4.3	9
78	Percutaneous Penetration Paradigms: The Contribution of Jonathan Hadgraft. Skin Pharmacology and Physiology, 2013, 26, 277-285.	2.5	1
79	Influence of niacinamide containing formulations on the molecular and biophysical properties of the stratum corneum. International Journal of Pharmaceutics, 2013, 441, 192-201.	5.2	53
80	The transdermal delivery of fentanyl. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 449-455.	4.3	46
81	Skin penetration enhancers. International Journal of Pharmaceutics, 2013, 447, 12-21.	5.2	590
82	Society of cosmetic scientists - birthday greetings!. International Journal of Cosmetic Science, 2013, 35, 411-411.	2.6	0
83	Rational formulation design. International Journal of Cosmetic Science, 2012, 34, 496-501.	2.6	36
84	The role of vehicle interactions on permeation of an active through model membranes and human skin. International Journal of Cosmetic Science, 2012, 34, 536-545.	2.6	32
85	The influence of volatile solvents on transport across model membranes and human skin. International Journal of Pharmaceutics, 2012, 435, 38-49.	5.2	58
86	Nanoparticles and the skin " applications and limitations. Journal of Microencapsulation, 2011, 28, 709-716.	2.8	37
87	Depth profiling of stratum corneum biophysical and molecular properties. British Journal of Dermatology, 2011, 164, 957-965.	1.5	40
88	Influence of Aqueous Cream BP on corneocyte size, maturity, skin protease activity, protein content and transepidermal water loss. British Journal of Dermatology, 2011, 164, 1304-1310.	1.5	52
89	Formulation issues associated with transdermal fentanyl delivery. International Journal of Pharmaceutics, 2011, 416, 155-9.	5.2	21
90	Quantitative estimation of the effects of bile salt surfactant systems on insulin stability and permeability in the rat intestine using a mass balance model. Journal of Pharmacy and Pharmacology, 2010, 57, 169-175.	2.4	21

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91	Comparison of post-emulsification freeze drying or spray drying processes for the microencapsulation of plasmid DNA. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 831-838.	2.4	14
92	NSAID injury to the gastrointestinal tract: evidence that NSAIDs interact with phospholipids to weaken the hydrophobic surface barrier and induce the formation of unstable pores in membranes. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1421-1428.	2.4	126
93	Paracellular and transcellular pathways facilitate insulin permeability in rat gut. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 271-275.	2.4	11
94	Oxybutynin permeation in skin: The influence of drug and solvent activity. <i>International Journal of Pharmaceutics</i> , 2010, 384, 67-72.	5.2	52
95	Assessment and prevention of gastrointestinal toxicity of non-steroidal anti-inflammatory drugs. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1295-1304.	2.4	11
96	Influence of Ethanol on the Solubility, Ionization and Permeation Characteristics of Ibuprofen in Silicone and Human Skin. <i>Skin Pharmacology and Physiology</i> , 2009, 22, 15-21.	2.5	82
97	Influence of membrane-solvent-solute interactions on solute permeation in model membranes. <i>International Journal of Pharmaceutics</i> , 2007, 336, 108-114.	5.2	58
98	Influence of membrane-solvent-solute interactions on solute permeation in skin. <i>International Journal of Pharmaceutics</i> , 2007, 340, 65-70.	5.2	50
99	Passive Transdermal Drug Delivery Systems. <i>American Journal of Drug Delivery</i> , 2006, 4, 153-160.	0.6	28
100	Influence of post-emulsification drying processes on the microencapsulation of Human Serum Albumin. <i>International Journal of Pharmaceutics</i> , 2006, 307, 16-22.	5.2	2
101	Effect of intestinal fluid flux on ibuprofen absorption in the rat intestine. <i>International Journal of Pharmaceutics</i> , 2006, 309, 60-66.	5.2	16
102	Comparative assessment of two indices of drug induced permeability changes in the perfused rat intestine. <i>International Journal of Pharmaceutics</i> , 2006, 312, 196-199.	5.2	5