

Monika SchÄœfer-Korting

List of Publications by Year in descending order

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72
papers

3,267
citations

136950

32
h-index

149698

56
g-index

74
all docs

74
docs citations

74
times ranked

4030
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticles for skin penetration enhancement – A comparison of a dendritic core-multishell-nanotransporter and solid lipid nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 243-250.	4.3	210
2	Loss of Corneodesmosin Leads to Severe Skin Barrier Defect, Pruritus, and Atopy: Unraveling the Peeling Skin Disease. <i>American Journal of Human Genetics</i> , 2010, 87, 274-281.	6.2	204
3	The Use of Reconstructed Human Epidermis for Skin Absorption Testing: Results of the Validation Study. <i>ATLA Alternatives To Laboratory Animals</i> , 2008, 36, 161-187.	1.0	193
4	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 441-477.	1.5	166
5	Influence of Th2 Cytokines on the Cornified Envelope, Tight Junction Proteins, and β -Defensins in Filaggrin-Deficient Skin Equivalents. <i>Journal of Investigative Dermatology</i> , 2016, 136, 631-639.	0.7	115
6	3D-Wound healing model: Influence of morphine and solid lipid nanoparticles. <i>Journal of Biotechnology</i> , 2010, 148, 24-30.	3.8	110
7	Reconstructed Human Epidermis for Skin Absorption Testing: Results of the German Prevalidation Study. <i>ATLA Alternatives To Laboratory Animals</i> , 2006, 34, 283-294.	1.0	108
8	Filaggrin Deficiency Leads to Impaired Lipid Profile and Altered Acidification Pathways in a 3D Skin Construct. <i>Journal of Investigative Dermatology</i> , 2014, 134, 746-753.	0.7	106
9	Influence of nanocarrier type and size on skin delivery of hydrophilic agents. <i>International Journal of Pharmaceutics</i> , 2009, 377, 169-172.	5.2	105
10	Carriers in the Topical Treatment of Skin Disease. <i>Handbook of Experimental Pharmacology</i> , 2010, , 435-468.	1.8	86
11	A thermosensitive morphine-containing hydrogel for the treatment of large-scale skin wounds. <i>International Journal of Pharmaceutics</i> , 2013, 444, 96-102.	5.2	86
12	Suitability of skin integrity tests for dermal absorption studies in vitro. <i>Toxicology in Vitro</i> , 2015, 29, 113-123.	2.4	81
13	Penetration of normal, damaged and diseased skin – An in vitro study on dendritic core–multishell nanotransporters. <i>Journal of Controlled Release</i> , 2014, 185, 45-50.	9.9	79
14	Cationic membrane–active peptides – anticancer and antifungal activity as well as penetration into human skin. <i>Experimental Dermatology</i> , 2014, 23, 326-331.	2.9	78
15	Skin penetration and metabolism of topical glucocorticoids in reconstructed epidermis and in excised human skin. <i>Pharmaceutical Research</i> , 1999, 16, 1386-1391.	3.5	75
16	Influences of opioids and nanoparticles on in vitro wound healing models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 34-42.	4.3	74
17	Different Skin Thinning Potential of Equipotent Medium-Strength Glucocorticoids. <i>Skin Pharmacology and Physiology</i> , 2002, 15, 85-91.	2.5	70
18	Skin penetration and dermal tolerability of acrylic nanocapsules: Influence of the surface charge and a chitosan gel used as vehicle. <i>International Journal of Pharmaceutics</i> , 2016, 507, 12-20.	5.2	60

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19	Hallmarks of Atopic Skin Mimicked <i>In Vitro</i> by Means of a Skin Disease Model Based on <i>FLG</i> Knock-down. <i>ATLA Alternatives To Laboratory Animals</i> , 2011, 39, 471-480.	1.0	59
20	pH-Sensitive Chitosan-Heparin Nanoparticles for Effective Delivery of Genetic Drugs into Epithelial Cells. <i>Pharmaceutics</i> , 2019, 11, 317.	4.5	59
21	Prednicarbate biotransformation in human foreskin keratinocytes and fibroblasts. <i>Pharmaceutical Research</i> , 1997, 14, 793-797.	3.5	58
22	Ethyl cellulose nanocarriers and nanocrystals differentially deliver dexamethasone into intact, tape-stripped or sodium lauryl sulfate-exposed <i>ex vivo</i> human skin - assessment by intradermal microdialysis and extraction from the different skin layers. <i>Journal of Controlled Release</i> , 2016, 242, 25-34.	9.9	56
23	Perspectives on percutaneous penetration: Silica nanoparticles. <i>Nanotoxicology</i> , 2015, 9, 643-657.	3.0	53
24	Esterase activity in excised and reconstructed human skin - Biotransformation of prednicarbate and the model dye fluorescein diacetate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 374-385.	4.3	52
25	Biocompatibility and characterization of polyglycerol-based thermoresponsive nanogels designed as novel drug-delivery systems and their intracellular localization in keratinocytes. <i>Nanotoxicology</i> , 2017, 11, 267-277.	3.0	52
26	pH-sensitive Eudragit® L 100 nanoparticles promote cutaneous penetration and drug release on the skin. <i>Journal of Controlled Release</i> , 2019, 295, 214-222.	9.9	49
27	Data-based modeling of drug penetration relates human skin barrier function to the interplay of diffusivity and free-energy profiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3631-3636.	7.1	47
28	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake. <i>Scientific Reports</i> , 2019, 9, 2913.	3.3	41
29	Reconstructed Epidermis and Full-Thickness Skin for Absorption Testing: Influence of the Vehicles used on Steroid Permeation. <i>ATLA Alternatives To Laboratory Animals</i> , 2008, 36, 441-452.	1.0	39
30	Influence of massage and occlusion on the <i>ex vivo</i> skin penetration of rigid liposomes and invasomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 301-306.	4.3	39
31	Qualitative and Quantitative Assessment of the Benefit-Risk Ratio of Medium Potency Topical Corticosteroids <i>In Vitro</i> and <i>In Vivo</i> . <i>BioDrugs</i> , 2000, 13, 267-277.	4.6	35
32	Validation of the 3D reconstructed human skin Comet assay, an animal-free alternative for following-up positive results from standard <i>in vitro</i> genotoxicity assays. <i>Mutagenesis</i> , 2021, 36, 19-35.	2.6	34
33	The barrier function of organotypic non-melanoma skin cancer models. <i>Journal of Controlled Release</i> , 2016, 233, 10-18.	9.9	33
34	Morphine Stimulates Cell Migration of Oral Epithelial Cells by Delta-Opioid Receptor Activation. <i>PLoS ONE</i> , 2012, 7, e42616.	2.5	33
35	Catch-up validation study of an <i>in vitro</i> skin irritation test method based on an open source reconstructed epidermis (phase II). <i>Toxicology in Vitro</i> , 2016, 36, 254-261.	2.4	32
36	Tailored dendritic core-multishell nanocarriers for efficient dermal drug delivery: A systematic top-down approach from synthesis to preclinical testing. <i>Journal of Controlled Release</i> , 2016, 242, 50-63.	9.9	32

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37	TLR2/1 and sphingosine 1-phosphate modulate inflammation, myofibroblast differentiation and cell migration in fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 484-494.	2.4	31
38	Evaluation of Anti-inflammatory and Atrophogenic Effects of Glucocorticoids on Reconstructed Human Skin. <i>ATLA Alternatives To Laboratory Animals</i> , 2011, 39, 173-187.	1.0	30
39	Impact of structural differences in hyperbranched polyglycerol-polyethylene glycol nanoparticles on dermal drug delivery and biocompatibility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 625-634.	4.3	30
40	Skin Irritation Testing beyond Tissue Viability: Fucoxanthin Effects on Inflammation, Homeostasis, and Metabolism. <i>Pharmaceutics</i> , 2020, 12, 136.	4.5	30
41	Antimicrobial Peptides and Skin: A Paradigm of Translational Medicine. <i>Skin Pharmacology and Physiology</i> , 2012, 25, 323-334.	2.5	28
42	A versatile synthetic platform for amphiphilic nanogels with tunable hydrophobicity. <i>Polymer Chemistry</i> , 2018, 9, 5572-5584.	3.9	27
43	Faster, sharper, more precise: Automated Cluster-FLIM in preclinical testing directly identifies the intracellular fate of theranostics in live cells and tissue. <i>Theranostics</i> , 2020, 10, 6322-6336.	10.0	25
44	Dendritic Nanoparticles for Cutaneous Drug Delivery - Testing in Human Skin and Reconstructed Human Skin. <i>Current Pharmaceutical Design</i> , 2015, 21, 2784-2800.	1.9	20
45	Specific uptake mechanisms of well-tolerated thermoresponsive polyglycerol-based nanogels in antigen-presenting cells of the skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 155-163.	4.3	20
46	Characterization of reconstructed human skin containing Langerhans cells to monitor molecular events in skin sensitization. <i>Toxicology in Vitro</i> , 2018, 46, 77-85.	2.4	20
47	De novo expression of the $\alpha 5 \beta 1$ -fibronectin receptor in HT29 colon-cancer cells reduces activity of c-src. Increase of c-src activity by attachment on fibronectin. , 1998, 76, 91-98.		18
48	Pitfalls in using fluorescence tagging of nanomaterials: tecto-dendrimers in skin tissue as investigated by Cluster-FLIM. <i>Annals of the New York Academy of Sciences</i> , 2017, 1405, 202-214.	3.8	18
49	Barrier-disrupted skin: Quantitative analysis of tape and cyanoacrylate stripping efficiency by multiphoton tomography. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118843.	5.2	15
50	Increased cutaneous absorption reflects impaired barrier function of reconstructed skin models mimicking keratinisation disorders. <i>Experimental Dermatology</i> , 2014, 23, 286-288.	2.9	14
51	Increased permeability of reconstructed human epidermis from UVB-irradiated keratinocytes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 149-154.	4.3	14
52	Tumor microenvironment determines drug efficacy in vitro - apoptotic and anti-inflammatory effects of 15-lipoxygenase metabolite, 13-HpOTrE. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 1-7.	4.3	12
53	Qualifying X-ray and Stimulated Raman Spectromicroscopy for Mapping Cutaneous Drug Penetration. <i>Analytical Chemistry</i> , 2019, 91, 7208-7214.	6.5	12
54	Poly[acrylonitrile-co-(N-vinyl pyrrolidone)] nanoparticles - Composition-dependent skin penetration enhancement of a dye probe and biocompatibility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 66-75.	4.3	11

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55	Ultrastructural and Molecular Analysis of Ribose-Induced Glycated Reconstructed Human Skin. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3521.	4.1	11
56	A multilayered epithelial mucosa model of head neck squamous cell carcinoma for analysis of tumor-microenvironment interactions and drug development. <i>Biomaterials</i> , 2020, 258, 120277.	11.4	9
57	White-Light Supercontinuum Laser-Based Multiple Wavelength Excitation for TCSPC-FLIM of Cutaneous Nanocarrier Uptake. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 671-688.	2.8	7
58	Reconstructed Human Epidermis Predicts Barrier-Improving Effects of <i>Lactococcus lactis</i> Emulsion in Humans. <i>Skin Pharmacology and Physiology</i> , 2019, 32, 72-80.	2.5	7
59	A Dual Fluorescence Spin Label Probe for Visualization and Quantification of Target Molecules in Tissue by Multiplexed FLIM-EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14938-14944.	13.8	7
60	Human polymerase \pm inhibitors for skin tumors. Part 2. Modeling, synthesis and influence on normal and transformed keratinocytes of new thymidine and purine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 250-265.	5.2	6
61	Measuring Silica Nanoparticles in the Skin. , 2017, , 1141-1164.		5
62	Biotransformation of 2,4-toluenediamine in human skin and reconstructed tissues. <i>Archives of Toxicology</i> , 2017, 91, 3307-3316.	4.2	4
63	Effect of Poly(L-lysine) and Heparin Coatings on the Surface of Polyester-Based Particles on Prednisolone Release and Biocompatibility. <i>Pharmaceutics</i> , 2021, 13, 801.	4.5	4
64	Core-multishell nanotransporters enhance skin penetration of the cell-penetrating peptide low molecular weight protamine. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1337-1341.	3.2	3
65	Skin delivery of antimicrobial peptides. , 2018, , 23-45.		3
66	How Qualification of 3D Disease Models Cuts the Gordian Knot in Preclinical Drug Development. <i>Handbook of Experimental Pharmacology</i> , 2020, 265, 29-56.	1.8	3
67	Optimizing skin pharmacotherapy for older patients: the future is at hand but are we ready for it?. <i>Drug Discovery Today</i> , 2020, 25, 851-861.	6.4	3
68	Ultraviolet B irradiation-induced keratinocyte senescence and impaired development of 3D epidermal reconstruct. <i>Acta Pharmaceutica</i> , 2021, 71, 293-303.	2.0	3
69	Preclinical Testing of Dendritic Core-Multishell Nanoparticles in Inflammatory Skin Equivalents. <i>Molecular Pharmaceutics</i> , 2022, 19, 1795-1802.	4.6	3
70	Solvent Effects on Skin Penetration and Spatial Distribution of the Hydrophilic Nitroxide Spin Probe PCA Investigated by EPR. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 127-137.	1.8	2
71	Primary Extracellular Matrix Enables Long-Term Cultivation of Human Tumor Oral Mucosa Models. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 579896.	4.1	1
72	Open access webinars bring 3R experts to your web browser: The Berlin experience. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 300-303.	1.5	1