

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
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74
all docs

74
docs citations

74
times ranked

4030
citing authors

#	ARTICLE	IF	CITATIONS
1	Preclinical Testing of Dendritic Coreâ€“Multishell Nanoparticles in Inflammatory Skin Equivalents. <i>Molecular Pharmaceutics</i> , 2022, 19, 1795-1802.	4.6	3
2	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
3	A Dual Fluorescenceâ€“Spin Label Probe for Visualization and Quantification of Target Molecules in Tissue by Multiplexed FLIMâ€“EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14938-14944.	13.8	7
4	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
5	Ultraviolet B irradiation-induced keratinocyte senescence and impaired development of 3D epidermal reconstruct. <i>Acta Pharmaceutica</i> , 2021, 71, 293-303.	2.0	3
6	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
7	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
8	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
9	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
10	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
11	Skin Irritation Testing beyond Tissue Viability: Fucoxanthin Effects on Inflammation, Homeostasis, and Metabolism. <i>Pharmaceutics</i> , 2020, 12, 136.	4.5	30
12	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
13	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
14	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
15	pH-Sensitive Chitosanâ€“Heparin Nanoparticles for Effective Delivery of Genetic Drugs into Epithelial Cells. <i>Pharmaceutics</i> , 2019, 11, 317.	4.5	59
16	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
17	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
18	Qualifying X-ray and Stimulated Raman Spectromicroscopy for Mapping Cutaneous Drug Penetration. <i>Analytical Chemistry</i> , 2019, 91, 7208-7214.	6.5	12

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19	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake. <i>Scientific Reports</i> , 2019, 9, 2913.	3.3	41
20	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
21	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
22	A versatile synthetic platform for amphiphilic nanogels with tunable hydrophobicity. <i>Polymer Chemistry</i> , 2018, 9, 5572-5584.	3.9	27
23	Ultrastructural and Molecular Analysis of Ribose-Induced Glycated Reconstructed Human Skin. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3521.	4.1	11
24	Skin delivery of antimicrobial peptides. , 2018, , 23-45.		3
25	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
26	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
27	Measuring Silica Nanoparticles in the Skin. , 2017, , 1141-1164.		5
28	Biotransformation of 2,4-toluenediamine in human skin and reconstructed tissues. <i>Archives of Toxicology</i> , 2017, 91, 3307-3316.	4.2	4
29	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
30	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
31	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
32	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
33	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
34	Ethyl cellulose nanocarriers and nanocrystals differentially deliver dexamethasone into intact, tape-stripped or sodium lauryl sulfate-exposed ex vivo 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
35	The barrier function of organotypic non-melanoma skin cancer models. <i>Journal of Controlled Release</i> , 2016, 233, 10-18.	9.9	33
36	Influence of Th2 Cytokines on the Cornified Envelope, Tight Junction Proteins, and Î²-Defensins in Filaggrin-Deficient Skin Equivalents. <i>Journal of Investigative Dermatology</i> , 2016, 136, 631-639.	0.7	115

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37	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
38	Catch-up validation study of an in vitro 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
39	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
40	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
41	Suitability of skin integrity tests for dermal absorption studies in vitro. <i>Toxicology in Vitro</i> , 2015, 29, 113-123.	2.4	81
42	Perspectives on percutaneous penetration: Silica nanoparticles. <i>Nanotoxicology</i> , 2015, 9, 643-657.	3.0	53
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	Influence of massage and occlusion on the ex vivo skin penetration of rigid liposomes and invasomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 301-306.	4.3	39
51	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
52	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
53	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
54	Antimicrobial Peptides and Skin: A Paradigm of Translational Medicine. <i>Skin Pharmacology and Physiology</i> , 2012, 25, 323-334.	2.5	28

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55	Morphine Stimulates Cell Migration of Oral Epithelial Cells by Delta-Opioid Receptor Activation. PLoS ONE, 2012, 7, e42616.	2.5	33
56	Evaluation of Anti-inflammatory and Atrophogenic Effects of Glucocorticoids on Reconstructed Human Skin. ATLA Alternatives To Laboratory Animals, 2011, 39, 173-187.	1.0	30
57	Hallmarks of Atopic Skin Mimicked <i>In Vitro</i> by Means of a Skin Disease Model Based on <i>FLG</i> Knock-down. ATLA Alternatives To Laboratory Animals, 2011, 39, 471-480.	1.0	59
58	Loss of Corneodesmosin Leads to Severe Skin Barrier Defect, Pruritus, and Atopy: Unraveling the Peeling Skin Disease. American Journal of Human Genetics, 2010, 87, 274-281.	6.2	204
59	3D-Wound healing model: Influence of morphine and solid lipid nanoparticles. Journal of Biotechnology, 2010, 148, 24-30.	3.8	110
60	Carriers in the Topical Treatment of Skin Disease. Handbook of Experimental Pharmacology, 2010, , 435-468.	1.8	86
61	Human polymerase $\hat{\pm}$ inhibitors for skin tumors. Part 2. Modeling, synthesis and influence on normal and transformed keratinocytes of new thymidine and purine derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 250-265.	5.2	6
62	Influence of nanocarrier type and size on skin delivery of hydrophilic agents. International Journal of Pharmaceutics, 2009, 377, 169-172.	5.2	105
63	Nanoparticles for skin penetration enhancement – A comparison of a dendritic core-multishell-nanotransporter and solid lipid nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 71, 243-250.	4.3	210
64	Influences of opioids and nanoparticles on <i>in vitro</i> wound healing models. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 34-42.	4.3	74
65	Reconstructed Epidermis and Full-Thickness Skin for Absorption Testing: Influence of the Vehicles used on Steroid Permeation. ATLA Alternatives To Laboratory Animals, 2008, 36, 441-452.	1.0	39
66	The Use of Reconstructed Human Epidermis for Skin Absorption Testing: Results of the Validation Study. ATLA Alternatives To Laboratory Animals, 2008, 36, 161-187.	1.0	193
67	Reconstructed Human Epidermis for Skin Absorption Testing: Results of the German Prevalidation Study. ATLA Alternatives To Laboratory Animals, 2006, 34, 283-294.	1.0	108
68	Different Skin Thinning Potential of Equipotent Medium-Strength Glucocorticoids. Skin Pharmacology and Physiology, 2002, 15, 85-91.	2.5	70
69	Qualitative and Quantitative Assessment of the Benefit/Risk Ratio of Medium Potency Topical Corticosteroids <i>In Vitro</i> and <i>In Vivo</i> . BioDrugs, 2000, 13, 267-277.	4.6	35
70	Skin penetration and metabolism of topical glucocorticoids in reconstructed epidermis and in excised human skin. Pharmaceutical Research, 1999, 16, 1386-1391.	3.5	75
71	De novo expression of the $\hat{\pm}5^{12}$ 1-fibronectin receptor in HT29 colon-cancer cells reduces activity of c-src. Increase of c-src activity by attachment on febronectin. , 1998, 76, 91-98.		18
72	Prednicarbate biotransformation in human foreskin keratinocytes and fibroblasts. Pharmaceutical Research, 1997, 14, 793-797.	3.5	58