

Juergen Lademann

List of Publications by Year in descending order

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354
papers

17,021
citations

13827

67
h-index

21474

114
g-index

369
all docs

369
docs citations

369
times ranked

13453
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential risks of nanomaterials: a review carried out for ECETOC. <i>Particle and Fibre Toxicology</i> , 2006, 3, 11.	2.8	1,067
2	Grey Goo on the Skin? Nanotechnology, Cosmetic and Sunscreen Safety. <i>Critical Reviews in Toxicology</i> , 2007, 37, 251-277.	1.9	573
3	Nanoparticles – An efficient carrier for drug delivery into the hair follicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 66, 159-164.	2.0	488
4	Penetration of Titanium Dioxide Microparticles in a Sunscreen Formulation into the Horny Layer and the Follicular Orifice. <i>Skin Pharmacology and Physiology</i> , 1999, 12, 247-256.	1.1	452
5	Porcine ear skin: an in vitro model for human skin. <i>Skin Research and Technology</i> , 2007, 13, 19-24.	0.8	423
6	Variations of Hair Follicle Size and Distribution in Different Body Sites. <i>Journal of Investigative Dermatology</i> , 2004, 122, 14-19.	0.3	353
7	40nm, but not 750 or 1,500nm, Nanoparticles Enter Epidermal CD1a+ Cells after Transcutaneous Application on Human Skin. <i>Journal of Investigative Dermatology</i> , 2006, 126, 1316-1322.	0.3	315
8	The tape stripping procedure – evaluation of some critical parameters. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 317-323.	2.0	277
9	Selective follicular targeting by modification of the particle sizes. <i>Journal of Controlled Release</i> , 2011, 150, 45-48.	4.8	260
10	Skin Penetration and Cellular Uptake of Amorphous Silica Nanoparticles with Variable Size, Surface Functionalization, and Colloidal Stability. <i>ACS Nano</i> , 2012, 6, 6829-6842.	7.3	238
11	Hair Follicles – A Long-Term Reservoir for Drug Delivery. <i>Skin Pharmacology and Physiology</i> , 2006, 19, 232-236.	1.1	208
12	Follicular transport route – Research progress and future perspectives. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 173-180.	2.0	205
13	Surface Functionalization of Silica Nanoparticles Supports Colloidal Stability in Physiological Media and Facilitates Internalization in Cells. <i>Langmuir</i> , 2012, 28, 7598-7613.	1.6	190
14	Testing Strategies to Establish the Safety of Nanomaterials: Conclusions of an ECETOC Workshop. <i>Inhalation Toxicology</i> , 2007, 19, 631-643.	0.8	185
15	Infrared Radiation-Induced Matrix Metalloproteinase in Human Skin: Implications for Protection. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2491-2497.	0.3	182
16	The role of hair follicles in the percutaneous absorption of caffeine. <i>British Journal of Clinical Pharmacology</i> , 2008, 65, 488-492.	1.1	177
17	Hair Follicles – An Efficient Storage and Penetration Pathway for Topically Applied Substances. <i>Skin Pharmacology and Physiology</i> , 2008, 21, 150-155.	1.1	155
18	Differential Stripping: Determination of the Amount of Topically Applied Substances Penetrated into the Hair Follicles. <i>Journal of Investigative Dermatology</i> , 2005, 125, 264-269.	0.3	150

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19	Investigation of Follicular Penetration of Topically Applied Substances. <i>Skin Pharmacology and Physiology</i> , 2001, 14, 17-22.	1.1	149
20	Innovative Liposomes as a Transfollicular Drug Delivery System: Penetration into Porcine Hair Follicles. <i>Journal of Investigative Dermatology</i> , 2006, 126, 1728-1732.	0.3	138
21	UVB-induced DNA damage, generation of reactive oxygen species, and inflammation are effectively attenuated by the flavonoid luteolin in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1081-1093.	1.3	136
22	The Role of Carotenoids in Human Skin. <i>Molecules</i> , 2011, 16, 10491-10506.	1.7	129
23	Depth profiles of hydrogen bound water molecule types and their relation to lipid and protein interaction in the human stratum corneum in vivo. <i>Analyst, The</i> , 2016, 141, 6329-6337.	1.7	128
24	Drug delivery to hair follicles. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 787-797.	2.4	123
25	Comparison of stratum corneum penetration and localization of a lipophilic model drug applied in an o/w microemulsion and an amphiphilic cream. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 699-706.	2.0	122
26	Pegylated liposomal doxorubicin-associated handâ€‘foot syndrome: Recommendations of an international panel of experts. <i>European Journal of Cancer</i> , 2008, 44, 781-790.	1.3	122
27	Penetration and storage of particles in human skin: Perspectives and safety aspects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 465-468.	2.0	121
28	PVP-coated, negatively charged silver nanoparticles: A multi-center study of their physicochemical characteristics, cell culture and in vivo experiments. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1944-1965.	1.5	119
29	In vivo determination of skin surface topography using an optical 3D device. <i>Skin Research and Technology</i> , 2004, 10, 207-214.	0.8	114
30	Reactive Molecule Species and Antioxidative Mechanisms in Normal Skin and Skin Aging. <i>Skin Pharmacology and Physiology</i> , 2014, 27, 316-332.	1.1	114
31	One-year study on the variation of carotenoid antioxidant substances in living human skin: influence of dietary supplementation and stress factors. <i>Journal of Biomedical Optics</i> , 2008, 13, 044028.	1.4	112
32	Molecular action mechanisms of solar infrared radiation and heat on human skin. <i>Ageing Research Reviews</i> , 2014, 16, 1-11.	5.0	111
33	<i>In vivo</i> investigations on the penetration of various oils and their influence on the skin barrier. <i>Skin Research and Technology</i> , 2012, 18, 364-369.	0.8	110
34	Follicular Targetingâ€‘A Promising Tool in Selective Dermatotherapy. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2005, 10, 252-255.	0.8	106
35	Cutaneous concentration of lycopene correlates significantly with the roughness of the skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 943-947.	2.0	102
36	Bioavailability of natural carotenoids in human skin compared to blood. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 269-274.	2.0	100

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37	<i>In vivo</i> skin treatment with tissue-tolerable plasma influences skin physiology and antioxidant profile in human stratum corneum. <i>Experimental Dermatology</i> , 2012, 21, 130-134.	1.4	99
38	Risk assessment of the application of a plasma jet in dermatology. <i>Journal of Biomedical Optics</i> , 2009, 14, 054025.	1.4	96
39	Radical Production by Infrared A Irradiation in Human Tissue. <i>Skin Pharmacology and Physiology</i> , 2010, 23, 40-46.	1.1	96
40	Gender-Related Differences in the Physiology of the Stratum Corneum. <i>Dermatology</i> , 2005, 211, 312-317.	0.9	95
41	Noninvasive selective detection of lycopene and β -carotene in human skin using Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2004, 9, 332.	1.4	93
42	Differential stripping demonstrates a significant reduction of the hair follicle reservoir in vitro compared to in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 234-238.	2.0	93
43	Optical coherence tomography for presurgical margin assessment of non-melanoma skin cancer – a practical approach. <i>Experimental Dermatology</i> , 2013, 22, 547-551.	1.4	93
44	Carotenoids in human skin. <i>Experimental Dermatology</i> , 2011, 20, 377-382.	1.4	91
45	Optical methods for noninvasive determination of carotenoids in human and animal skin. <i>Journal of Biomedical Optics</i> , 2013, 18, 061230.	1.4	91
46	Effect of Supplemented and Topically Applied Antioxidant Substances on Human Tissue. <i>Skin Pharmacology and Physiology</i> , 2006, 19, 238-247.	1.1	90
47	Application of optical non-invasive methods in skin physiology: a comparison of laser scanning microscopy and optical coherent tomography with histological analysis. <i>Skin Research and Technology</i> , 2007, 13, 119-132.	0.8	90
48	Hair follicles contribute significantly to penetration through human skin only at times soon after application as a solvent deposited solid in man. <i>British Journal of Clinical Pharmacology</i> , 2011, 72, 768-774.	1.1	90
49	Safety Assessment by Multiphoton Fluorescence/Second Harmonic Generation/Hyper-Rayleigh Scattering Tomography of ZnO Nanoparticles Used in Cosmetic Products. <i>Skin Pharmacology and Physiology</i> , 2012, 25, 219-226.	1.1	89
50	Effect of size of TiO ₂ nanoparticles embedded into stratum corneum on ultraviolet-A and ultraviolet-B sun-blocking properties of the skin. <i>Journal of Biomedical Optics</i> , 2005, 10, 064037.	1.4	86
51	Formation of Free Radicals in Human Skin during Irradiation with Infrared Light. <i>Journal of Investigative Dermatology</i> , 2010, 130, 629-631.	0.3	85
52	Determination of the cuticula thickness of human and porcine hairs and their potential influence on the penetration of nanoparticles into the hair follicles. <i>Journal of Biomedical Optics</i> , 2009, 14, 021014.	1.4	83
53	<i>In vivo</i> distribution of carotenoids in different anatomical locations of human skin: comparative assessment with two different Raman spectroscopy methods. <i>Experimental Dermatology</i> , 2009, 18, 1060-1063.	1.4	83
54	Permeation of topically applied caffeine through human skin – a comparison of <i>in vivo</i> and <i>in vitro</i> data. <i>British Journal of Clinical Pharmacology</i> , 2009, 68, 181-186.	1.1	81

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55	Follicular and percutaneous penetration pathways of topically applied minoxidil foam. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 450-453.	2.0	81
56	Morphometry of human terminal and vellus hair follicles. <i>Experimental Dermatology</i> , 2007, 16, 946-950.	1.4	80
57	Influence of dietary carotenoids on radical scavenging capacity of the skin and skin lipids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 365-373.	2.0	80
58	Penetration of silver nanoparticles into porcine skin <i>ex vivo</i> using fluorescence lifetime imaging microscopy, Raman microscopy, and surface-enhanced Raman scattering microscopy. <i>Journal of Biomedical Optics</i> , 2014, 20, 051006.	1.4	79
59	Recent progress in tissue optical clearing for spectroscopic application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 216-229.	2.0	79
60	Which Skin Model Is the Most Appropriate for the Investigation of Topically Applied Substances into the Hair Follicles?. <i>Skin Pharmacology and Physiology</i> , 2010, 23, 47-52.	1.1	77
61	Overview about the localization of nanoparticles in tissue and cellular context by different imaging techniques. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 263-280.	1.5	77
62	Blue-Violet Light Irradiation Dose Dependently Decreases Carotenoids in Human Skin, Which Indicates the Generation of Free Radicals. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-7.	1.9	75
63	A depth-dependent profile of the lipid conformation and lateral packing order of the stratum corneum in vivo measured using Raman microscopy. <i>Analyst</i> , 2016, 141, 1981-1987.	1.7	74
64	Determination of the antioxidative capacity of the skin in vivo using resonance Raman and electron paramagnetic resonance spectroscopy. <i>Experimental Dermatology</i> , 2011, 20, 483-487.	1.4	73
65	Two-photon autofluorescence lifetime imaging of human skin papillary dermis in vivo: assessment of blood capillaries and structural proteins localization. <i>Scientific Reports</i> , 2017, 7, 1171.	1.6	73
66	Follicular Penetration: Development of a Method to Block the Follicles Selectively against the Penetration of Topically Applied Substances. <i>Skin Pharmacology and Physiology</i> , 2006, 19, 216-223.	1.1	72
67	Keratin-water-NMF interaction as a three layer model in the human stratum corneum using in vivo confocal Raman microscopy. <i>Scientific Reports</i> , 2017, 7, 15900.	1.6	70
68	Topical beta-carotene protects against infrared light-induced free radicals. <i>Experimental Dermatology</i> , 2011, 20, 125-129.	1.4	68
69	Combined antibacterial effects of tissue-tolerable plasma and a modern conventional liquid antiseptic on chronic wound treatment. <i>Journal of Biophotonics</i> , 2015, 8, 382-391.	1.1	68
70	Interaction between Carotenoids and Free Radicals in Human Skin. <i>Skin Pharmacology and Physiology</i> , 2011, 24, 238-244.	1.1	67
71	Influence of microneedle shape on the transport of a fluorescent dye into human skin in vivo. <i>Journal of Controlled Release</i> , 2010, 147, 218-224.	4.8	66
72	Antimicrobial Efficacy of Two Surface Barrier Discharges with Air Plasma against In Vitro Biofilms. <i>PLoS ONE</i> , 2013, 8, e70462.	1.1	66

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73	Confocal Raman microscopy and multivariate statistical analysis for determination of different penetration abilities of caffeine and propylene glycol applied simultaneously in a mixture on porcine skin ex vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 104, 51-58.	2.0	65
74	Cutaneous lycopene and β -carotene levels measured by resonance Raman spectroscopy: High reliability and sensitivity to oral lactycopene deprivation and supplementation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 187-194.	2.0	64
75	Recent advances in follicular drug delivery of nanoparticles. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 49-60.	2.4	64
76	Follicular Penetration and Targeting. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2005, 10, 301-303.	0.8	63
77	In vivo photoprotective and anti-inflammatory effect of hyperforin is associated with high antioxidant activity in vitro and ex vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 346-350.	2.0	63
78	Nanocrystals of medium soluble actives – Novel concept for improved dermal delivery and production strategy. <i>International Journal of Pharmaceutics</i> , 2014, 470, 141-150.	2.6	62
79	Analysis of Human and Porcine Skin in vivo/ex vivo for Penetration of Selected Oils by Confocal Raman Microscopy. <i>Skin Pharmacology and Physiology</i> , 2015, 28, 318-330.	1.1	62
80	Influence of nonhomogeneous distribution of topically applied UV filters on sun protection factors. <i>Journal of Biomedical Optics</i> , 2004, 9, 1358.	1.4	61
81	Clinical coherent anti-Stokes Raman scattering and multiphoton tomography of human skin with a femtosecond laser and photonic crystal fiber. <i>Laser Physics Letters</i> , 2013, 10, 025604.	0.6	61
82	Do nanoparticles have a future in dermal drug delivery?. <i>Journal of Controlled Release</i> , 2017, 246, 174-182.	4.8	61
83	In vivo confocal scanning laser microscopy: comparison of the reflectance and fluorescence mode by imaging human skin. <i>Journal of Biomedical Optics</i> , 2006, 11, 044012.	1.4	60
84	Ultra-small lipid nanoparticles promote the penetration of coenzyme Q10 in skin cells and counteract oxidative stress. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 201-207.	2.0	60
85	Human skin in vivo has a higher skin barrier function than porcine skin ex vivo – comprehensive Raman microscopic study of the stratum corneum. <i>Journal of Biophotonics</i> , 2018, 11, e201700355.	1.1	60
86	Shape-Dependent Dissolution and Cellular Uptake of Silver Nanoparticles. <i>Langmuir</i> , 2018, 34, 1506-1519.	1.6	60
87	Free radicals induced by sunlight in different spectral regions – in vivo versus ex vivo study. <i>Experimental Dermatology</i> , 2016, 25, 380-385.	1.4	59
88	Effect of the vehicle on the amount of stratum corneum removed by tape stripping. <i>JDDG - Journal of the German Society of Dermatology</i> , 2003, 1, 884-889.	0.4	58
89	Sunscreen application at the beach. <i>Journal of Cosmetic Dermatology</i> , 2004, 3, 62-68.	0.8	58
90	In vivo study for the discrimination of cancerous and normal skin using fibre probe-based Raman spectroscopy. <i>Experimental Dermatology</i> , 2015, 24, 767-772.	1.4	56

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91	Quantification of the horny layer using tape stripping and microscopic techniques. <i>Journal of Biomedical Optics</i> , 2003, 8, 601.	1.4	55
92	Interaction of dermatologically relevant nanoparticles with skin cells and skin. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2363-2373.	1.5	55
93	Combined in vivo multiphoton and CARS imaging of healthy and disease-affected human skin. <i>Microscopy Research and Technique</i> , 2012, 75, 492-498.	1.2	54
94	Dendritic polyglycerol and N-isopropylacrylamide based thermoresponsive nanogels as smart carriers for controlled delivery of drugs through the hair follicle. <i>Nanoscale</i> , 2017, 9, 172-182.	2.8	53
95	Comparative Study of Carotenoids, Catalase and Radical Formation in Human and Animal Skin. <i>Skin Pharmacology and Physiology</i> , 2010, 23, 306-312.	1.1	51
96	Detection and Discrimination of Non-Melanoma Skin Cancer by Multimodal Imaging. <i>Healthcare (Switzerland)</i> , 2013, 1, 64-83.	1.0	51
97	Ratchet effect for nanoparticle transport in hair follicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 125-130.	2.0	50
98	Dermal carotenoid level and kinetics after topical and systemic administration of antioxidants: Enrichment strategies in a controlled in vivo study. <i>Journal of Dermatological Science</i> , 2011, 64, 53-58.	1.0	49
99	Comparison of two methods for noninvasive determination of carotenoids in human and animal skin: Raman spectroscopy versus reflection spectroscopy. <i>Journal of Biophotonics</i> , 2012, 5, 550-558.	1.1	49
100	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.	4.8	49
101	Determination of penetration profiles of topically applied substances by means of tape stripping and optical spectroscopy: UV filter substance in sunscreens. <i>Journal of Biomedical Optics</i> , 2005, 10, 014009.	1.4	48
102	Prooxidant and antioxidant behaviour of usnic acid from lichens under UVB-light irradiation – Studies on human cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 101, 97-102.	1.7	48
103	Encapsulated curcumin results in prolonged curcumin activity in vitro and radical scavenging activity ex vivo on skin after UVB-irradiation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 485-490.	2.0	48
104	Skin barrier disruptions in tape stripped and allergic dermatitis models have no effect on dermal penetration and systemic distribution of AHAPS-functionalized silica nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1571-1581.	1.7	48
105	Hydrogen bound water profiles in the skin influenced by optical clearing molecular agents – Quantitative analysis using confocal Raman microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800283.	1.1	48
106	Designing Inorganic Light-Protective Skin Nanotechnology Products. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 432-451.	0.5	48
107	Comparative study of hair follicle morphology in eight mammalian species and humans. <i>Skin Research and Technology</i> , 2014, 20, 147-154.	0.8	47
108	In vivo confocal Raman microscopic determination of depth profiles of the stratum corneum lipid organization influenced by application of various oils. <i>Journal of Dermatological Science</i> , 2017, 87, 183-191.	1.0	47

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109	Resonance Raman spectroscopy as an effective tool for the determination of antioxidative stability of cosmetic formulations. <i>Journal of Biophotonics</i> , 2010, 3, 82-88.	1.1	46
110	Radical Protection by Sunscreens in the Infrared Spectral Range. <i>Photochemistry and Photobiology</i> , 2011, 87, 452-456.	1.3	45
111	Cold Physical Plasmas in the Field of Hygiene—Relevance, Significance, and Future Applications. <i>Plasma Processes and Polymers</i> , 2015, 12, 1410-1422.	1.6	45
112	Synergy effects between organic and inorganic UV filters in sunscreens. <i>Journal of Biomedical Optics</i> , 2005, 10, 014008.	1.4	44
113	Hair follicles, their disorders and their opportunities. <i>Drug Discovery Today Disease Mechanisms</i> , 2008, 5, e173-e181.	0.8	44
114	Clinical applicability of in vivo fluorescence confocal microscopy for noninvasive diagnosis and therapeutic monitoring of nonmelanoma skin cancer. <i>Journal of Biomedical Optics</i> , 2008, 13, 014003.	1.4	43
115	The modified HET-CAM as a model for the assessment of the inflammatory response to tissue tolerable plasma. <i>Toxicology in Vitro</i> , 2011, 25, 530-537.	1.1	43
116	Alcohol Consumption Decreases the Protection Efficiency of the Antioxidant Network and Increases the Risk of Sunburn in Human Skin. <i>Skin Pharmacology and Physiology</i> , 2013, 26, 45-51.	1.1	43
117	An in vivo model to evaluate the efficacy of barrier creams on the level of skin penetration of chemicals. <i>Contact Dermatitis</i> , 2006, 54, 5-13.	0.8	42
118	<i>In vivo</i> methods for the analysis of the penetration of topically applied substances in and through the skin barrier. <i>International Journal of Cosmetic Science</i> , 2012, 34, 551-559.	1.2	42
119	Dermal nanocrystals from medium soluble actives — Physical stability and stability affecting parameters. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 85-91.	2.0	42
120	Confocal Raman microscopy supported by optical clearing treatment of the skin—Influence on collagen hydration. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 285401.	1.3	42
121	Qualitative detection of single submicron and nanoparticles in human skin by scanning transmission x-ray microscopy. <i>Journal of Biomedical Optics</i> , 2009, 14, 021015.	1.4	41
122	Confocal laser-scanning microscopy of capillaries in normal and psoriatic skin. <i>Journal of Biomedical Optics</i> , 2012, 17, 101511.	1.4	41
123	<i>In vivo</i> detection of basal cell carcinoma: comparison of a reflectance confocal microscope and a multiphoton tomograph. <i>Journal of Biomedical Optics</i> , 2013, 18, 061229.	1.4	41
124	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake. <i>Scientific Reports</i> , 2019, 9, 2913.	1.6	41
125	High-energy visible light at ambient doses and intensities induces oxidative stress of skin—Protective effects of the antioxidant and Nrf2 inducer Licochalcone A in vitro and in vivo. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2020, 36, 135-144.	0.7	41
126	Age related depth profiles of human Stratum Corneum barrier-related molecular parameters by confocal Raman microscopy in vivo. <i>Mechanisms of Ageing and Development</i> , 2018, 172, 6-12.	2.2	40

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127	Noninvasive Determination of Epidermal and Stratum Corneum Thickness in vivo Using Two-Photon Microscopy and Optical Coherence Tomography: Impact of Body Area, Age, and Gender. <i>Skin Pharmacology and Physiology</i> , 2019, 32, 142-150.	1.1	40
128	Uptake of Antioxidants by Natural Nutrition and Supplementation: Pros and Cons from the Dermatological Point of View. <i>Skin Pharmacology and Physiology</i> , 2011, 24, 269-273.	1.1	39
129	Triggering of drug release of particles in hair follicles. <i>Journal of Controlled Release</i> , 2012, 160, 509-514.	4.8	39
130	Comparison of silver nanoparticles stored under air or argon with respect to the induction of intracellular free radicals and toxic effects toward keratinocytes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 651-657.	2.0	39
131	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.	2.0	39
132	Evaluation of optical coherence tomography as a noninvasive diagnostic tool in cutaneous wound healing. <i>Skin Research and Technology</i> , 2014, 20, 1-7.	0.8	36
133	Drug delivery into the skin by degradable particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 23-27.	2.0	35
134	Radical Protection by Differently Composed Creams in the <sc>UV</sc>/<sc>VIS</sc> and <sc>IR</sc> Spectral Ranges. <i>Photochemistry and Photobiology</i> , 2013, 89, 1079-1084.	1.3	35
135	New Strategies for Preoperative Skin Antisepsis. <i>Skin Pharmacology and Physiology</i> , 2014, 27, 283-292.	1.1	35
136	Influence of sun exposure on the cutaneous collagen/elastin fibers and carotenoids: negative effects can be reduced by application of sunscreen. <i>Journal of Biophotonics</i> , 2014, 7, 735-743.	1.1	35
137	A comparative study of <i>ex vivo</i> skin optical clearing using two-photon microscopy. <i>Journal of Biophotonics</i> , 2017, 10, 1115-1123.	1.1	35
138	Investigation of the Stability of Coated Titanium Microparticles Used in Sunscreens. <i>Skin Pharmacology and Physiology</i> , 2000, 13, 258-264.	1.1	34
139	Optical investigations to avoid the disturbing influences of furrows and wrinkles quantifying penetration of drugs and cosmetics into the skin by tape stripping. <i>Journal of Biomedical Optics</i> , 2005, 10, 054015.	1.4	34
140	Gaussian-function-based deconvolution method to determine the penetration ability of petrolatum oil into <i>in vivo</i> human skin using confocal Raman microscopy. <i>Laser Physics</i> , 2014, 24, 105601.	0.6	34
141	Comparison of two in vitro models for the analysis of follicular penetration and its prevention by barrier emulsions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 600-604.	2.0	33
142	Photocatalytic activity of TiO ₂ nanoparticles: effect of thermal annealing under various gaseous atmospheres. <i>Nanotechnology</i> , 2012, 23, 475711.	1.3	33
143	Laser scanning microscopy as a means to assess the augmentation of tissue repair by exposition of wounds to tissue tolerable plasma. <i>Laser Physics Letters</i> , 2014, 11, 115701.	0.6	33
144	Hair follicle targeting, penetration enhancement and Langerhans cell activation make cyanoacrylate skin surface stripping a promising delivery technique for transcutaneous immunization with large molecules and particle-based vaccines. <i>Experimental Dermatology</i> , 2015, 24, 73-75.	1.4	33

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145	Penetration studies of topically applied substances: optical determination of the amount of stratum corneum removed by tape stripping. <i>Journal of Biomedical Optics</i> , 2006, 11, 054026.	1.4	32
146	The Irritation Potential of Nonthermal Atmospheric Pressure Plasma in the HETâ€CAM. <i>Plasma Processes and Polymers</i> , 2010, 7, 318-326.	1.6	32
147	Radical-Scavenging Activity of a Sunscreen Enriched by Antioxidants Providing Protection in the Whole Solar Spectral Range. <i>Skin Pharmacology and Physiology</i> , 2017, 30, 81-89.	1.1	32
148	Cutaneous distribution and localization of dyes affected by vehicles all with different lipophilicity. <i>Archives of Dermatological Research</i> , 2006, 297, 303-310.	1.1	31
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