

# Martina C Meinke

## List of Publications by Year in descending order

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194  
papers

5,784  
citations

57719

44  
h-index

106281

65  
g-index

204  
all docs

204  
docs citations

204  
times ranked

5561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmetic Formulations with <i>Melaleuca alternifolia</i> Essential Oil for the Improvement of Photoaged Skin: A Double-Blind, Randomized, Placebo-Controlled Clinical Study. <i>Photochemistry and Photobiology</i> , 2023, 99, 176-183.	1.3	8
2	Safety and efficacy of combined essential oils for the skin barrier properties: In vitro, ex vivo and clinical studies. <i>International Journal of Cosmetic Science</i> , 2022, 44, 118-130.	1.2	12
3	Application of 233nm far-UVC LEDs for eradication of MRSA and MSSA and risk assessment on skin models. <i>Scientific Reports</i> , 2022, 12, 2587.	1.6	23
4	Skin Care Product Rich in Antioxidants and Anti-Inflammatory Natural Compounds Reduces Itching and Inflammation in the Skin of Atopic Dermatitis Patients. <i>Antioxidants</i> , 2022, 11, 1071.	2.2	9
5	Electrohydrodynamic spray applicator for homogenous application and reduced overspray of sunscreen. <i>Skin Research and Technology</i> , 2021, 27, 191-200.	0.8	0
6	In vivo sun protection factor and UVA protection factor determination using (hybrid) diffuse reflectance spectroscopy and a multi-wavelength LED light source. <i>Journal of Biophotonics</i> , 2021, 14, e202000348.	1.1	4
7	Noninvasive measurement of the 308 nm LED based UVB protection factor of sunscreens. <i>Journal of Biophotonics</i> , 2021, 14, e202000453.	1.1	1
8	Release of the model drug SR101 from polyurethane nanocapsules in porcine hair follicles triggered by LED-derived low dose UVA light. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120339.	2.6	9
9	A Dual Fluorescence Spin Label Probe for Visualization and Quantification of Target Molecules in Tissue by Multiplexed FLIM-EPR Spectroscopy. <i>Angewandte Chemie</i> , 2021, 133, 15065-15071.	1.6	2
10	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.	7.2	7
11	Skin tolerant inactivation of multiresistant pathogens using far-UVC LEDs. <i>Scientific Reports</i> , 2021, 11, 14647.	1.6	37
12	In vivo skin penetration, radical protection and structural changes after topical application of a herbal oil cream compared to topical calcipotriol in mild to moderate psoriasis. <i>Skin Pharmacology and Physiology</i> , 2021, 34, 337-350.	1.1	2
13	Eco-friendly sunscreen formulation based on starches and PEG-75 lanolin increases the antioxidant capacity and the light scattering activity in the visible light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 222, 112264.	1.7	6
14	Microdialysis on Ex Vivo Porcine Ear Skin Can Validly Study Dermal Penetration including the Fraction of Transfollicular Penetration Demonstrated on Caffeine Nanocrystals. <i>Nanomaterials</i> , 2021, 11, 2387.	1.9	4
15	The impact of skin massage frequency on the intrafollicular transport of silica nanoparticles: Validation of the ratchet effect on an ex vivo porcine skin model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 158, 266-272.	2.0	9
16	EPR Spectroscopy as a Method for ROS Quantification in the Skin. <i>Methods in Molecular Biology</i> , 2021, 2202, 137-148.	0.4	6
17	Consumption of fruits and vegetables: improved physical health, mental health, physical functioning and cognitive health in older adults from 11 European countries. <i>Aging and Mental Health</i> , 2020, 24, 634-641.	1.5	31
18	Application of plectric spectroscopy to detect skin cancer A pilot study. <i>Skin Research and Technology</i> , 2020, 26, 234-240.	0.8	2

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19	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
20	Investigation of TEMPO partitioning in different skin models as measured by EPR spectroscopy —Insight into the stratum corneum. <i>Journal of Magnetic Resonance</i> , 2020, 310, 106637.	1.2	5
21	Barrier-disrupted skin: Quantitative analysis of tape and cyanoacrylate stripping efficiency by multiphoton tomography. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118843.	2.6	15
22	Determination of the pH Gradient in Hair Follicles of Human Volunteers Using pH-Sensitive Melamine Formaldehyde-Pyranine Nile Blue Microparticles. <i>Sensors</i> , 2020, 20, 5243.	2.1	5
23	Nanocrystals for Improved Drug Delivery of Dexamethasone in Skin Investigated by EPR Spectroscopy. <i>Pharmaceutics</i> , 2020, 12, 400.	2.0	17
24	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.	0.9	2
25	Analysis of the Status of the Cutaneous Endogenous and Exogenous Antioxidative System of Smokers and the Short-Term Effect of Defined Smoking Thereon. <i>Antioxidants</i> , 2020, 9, 537.	2.2	7
26	Kinetics of the carotenoid concentration degradation of smoothies and their influence on the antioxidant status of the human skin in vivo during 8 weeks of daily consumption. <i>Nutrition Research</i> , 2020, 81, 38-46.	1.3	7
27	Laser scanning microscopy for control of skin decontamination efficacy from airborne particulates using highly absorbent textile nanofiber material in combination with PEG-12 dimethicone. <i>Skin Research and Technology</i> , 2020, 26, 558-563.	0.8	3
28	Characterization of Sunscreens: Determination of the SPF. , 2020, , 197-205.		0
29	Investigation of active matrix-metalloproteinase-8 (aMMP-8) as a reference parameter for path control in antimicrobial photothermal therapy (aPTT) using a split-mouth design. , 2020, , .		0
30	Insight into the redox status of inflammatory skin equivalents as determined by EPR spectroscopy. <i>Chemico-Biological Interactions</i> , 2019, 310, 108752.	1.7	10
31	Interactions of Nanoparticles with Skin. <i>Nanoscience and Technology</i> , 2019, , 329-339.	1.5	6
32	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
33	Skin type differences in solar-simulated radiation-induced oxidative stress. <i>British Journal of Dermatology</i> , 2019, 180, 597-603.	1.4	44
34	Quantification and characterization of radical production in human, animal and 3D skin models during sun irradiation measured by EPR spectroscopy. <i>Free Radical Biology and Medicine</i> , 2019, 131, 299-308.	1.3	23
35	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
36	Influence of Storage and Preservation Techniques on Egg-Derived Carotenoids: A Substantial Source for Cutaneous Antioxidants. <i>Skin Pharmacology and Physiology</i> , 2019, 32, 65-71.	1.1	4

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37	Fruit and vegetable consumption is associated with improved mental and cognitive health in older adults from non-Western developing countries. <i>Public Health Nutrition</i> , 2019, 22, 689-696.	1.1	26
38	<i>In Vitro</i> Detection System to Evaluate the Immunogenic Potential of Xenografts. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 280-288.	1.1	9
39	No More Sunburn. <i>Optik &amp; Photonik</i> , 2018, 13, 32-35.	0.3	2
40	A new concept of efficient therapeutic drug monitoring using the high-resolution continuum source absorption spectrometry and the surface enhanced Raman spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 142, 91-96.	1.5	15
41	Laser Scanning Microscopic Investigations of the Decontamination of Soot Nanoparticles from the Skin. <i>Skin Pharmacology and Physiology</i> , 2018, 31, 87-94.	1.1	5
42	Evaluation of detection distance-dependent reflectance spectroscopy for the determination of the sun protection factor using pig ear skin. <i>Journal of Biophotonics</i> , 2018, 11, e201600257.	1.1	9
43	ROS production and glutathione response in keratinocytes after application of $\beta^2$ -carotene and VIS/NIR irradiation. <i>Chemico-Biological Interactions</i> , 2018, 280, 1-7.	1.7	28
44	7. Nanocosmetics. , 2018, , 101-116.		1
45	Spin-labeling of Dexamethasone: Radical Stability vs. Temporal Resolution of EPR-Spectroscopy on Biological Samples. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 883-891.	1.4	2
46	Protease-mediated Inflammation: An <i>In Vitro</i> Human Keratinocyte-based Screening Tool for Anti-inflammatory Drug Nanocarrier Systems. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 919-933.	1.4	8
47	Determination of the effect of boiling on the bioavailability of carotenoids in vegetables using resonance Raman spectroscopy. <i>Laser Physics</i> , 2018, 28, 105602.	0.6	9
48	Body regions have an impact on the collagen/elastin index of the skin measured by non-invasive in vivo vertical two-photon microscopy. <i>Experimental Dermatology</i> , 2017, 26, 822-824.	1.4	5
49	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.	1.6	52
50	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
51	Multiple spatially resolved reflection spectroscopy to monitor cutaneous carotenoids during supplementation of fruit and vegetable extracts in vivo. <i>Skin Research and Technology</i> , 2017, 23, 459-462.	0.8	18
52	Investigation of the cutaneous penetration behavior of dexamethasone loaded to nano-sized lipid particles by EPR spectroscopy, and confocal Raman and laser scanning microscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 102-110.	2.0	24
53	Detergent-Based Decellularization of Bovine Carotid Arteries for Vascular Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2683-2692.	1.3	17
54	A Randomized Controlled Trial of Green Tea Beverages on the in vivo Radical Scavenging Activity in Human Skin. <i>Skin Pharmacology and Physiology</i> , 2017, 30, 225-233.	1.1	30

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55	Impact of Body Site, Age, and Gender on the Collagen/Elastin Index by Noninvasive in vivo Vertical Two-Photon Microscopy. <i>Skin Pharmacology and Physiology</i> , 2017, 30, 260-267.	1.1	20
56	From UV Protection to Protection in the Whole Spectral Range of the Solar Radiation: New Aspects of Sunscreen Development. <i>Advances in Experimental Medicine and Biology</i> , 2017, 996, 311-318.	0.8	18
57	Drug distribution in nanostructured lipid particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 110, 19-23.	2.0	21
58	Gradient-dependent release of the model drug TRITC-dextran from FITC-labeled BSA hydrogel nanocarriers in the hair follicles of porcine ear skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 116, 12-16.	2.0	14
59	Do nanoparticles have a future in dermal drug delivery?. <i>Journal of Controlled Release</i> , 2017, 246, 174-182.	4.8	61
60	Influences of Orally Taken Carotenoid-Rich Curly Kale Extract on Collagen I/Elastin Index of the Skin. <i>Nutrients</i> , 2017, 9, 775.	1.7	22
61	Stripping Procedures for Penetration Measurements of Topically Applied Substances. , 2017, , 205-214.		5
62	Radical Production by Infrared Irradiation in Human Skin. , 2017, , 1051-1060.		0
63	Quantification of the Inhomogeneous Distribution of Topically Applied Substances on the Human Skin by Optical Spectroscopy: Definition of a Factor of Inhomogeneity. , 2017, , 487-492.		0
64	Electron Paramagnetic Resonance Spectroscopy to Evaluate the Radical Scavenging Activity of the Skin. , 2017, , 1523-1533.		0
65	Rutinâ€™Increased Antioxidant Activity and Skin Penetration by Nanocrystal Technology (smartCrystals). <i>Cosmetics</i> , 2016, 3, 9.	1.5	39
66	Comparison of morphologic criteria for actinic keratosis and squamous cell carcinoma using <i>in vivo</i> multiphoton tomography. <i>Experimental Dermatology</i> , 2016, 25, 218-222.	1.4	29
67	Significance of the follicular pathway for dermal substance penetration quantified by laser Doppler flowmetry. <i>Journal of Biophotonics</i> , 2016, 9, 276-281.	1.1	10
68	Effects on detection of radical formation in skin due to solar irradiation measured by EPR spectroscopy. <i>Methods</i> , 2016, 109, 44-54.	1.9	18
69	Free radicals induced by sunlight in different spectral regions â€“ <i>in vivo</i> versus <i>ex vivo</i> study. <i>Experimental Dermatology</i> , 2016, 25, 380-385.	1.4	59
70	Investigation of Model Sunscreen Formulations Comparing the Sun Protection Factor, the Universal Sun Protection Factor and the Radical Formation Ratio. <i>Skin Pharmacology and Physiology</i> , 2016, 29, 18-23.	1.1	14
71	Comparison of different methods to study effects of silver nanoparticles on the pro- and antioxidant status of human keratinocytes and fibroblasts. <i>Methods</i> , 2016, 109, 55-63.	1.9	17
72	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 <i>ex vivo</i> . <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 104, 51-58.	2.0	65

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73	Comparison of different cutaneous carotenoid sensors and influence of age, skin type, and kinetic changes subsequent to intake of a vegetable extract. <i>Journal of Biomedical Optics</i> , 2016, 21, 107002.	1.4	22
74	A novel concept for the treatment of couperosis based on nanocrystals in combination with solid lipid nanoparticles (SLN). <i>International Journal of Pharmaceutics</i> , 2016, 510, 9-16.	2.6	8
75	Prevention of Cutaneous Penetration and CD1c+ Uptake of Pollen Allergens by a Barrier-Enhancing Formulation. <i>Skin Pharmacology and Physiology</i> , 2016, 29, 71-75.	1.1	2
76	Detection of capecitabine (Xeloda <sup>®</sup> ) on the skin surface after oral administration. <i>Journal of Biomedical Optics</i> , 2016, 21, 047002.	1.4	8
77	Influence of Topical, Systemic and Combined Application of Antioxidants on the Barrier Properties of the Human Skin. <i>Skin Pharmacology and Physiology</i> , 2016, 29, 41-46.	1.1	29
78	Relationship between Histological and Clinical Course of Psoriasis: A Pilot Investigation by Reflectance Confocal Microscopy during Goeckerman Treatment. <i>Skin Pharmacology and Physiology</i> , 2016, 29, 47-54.	1.1	14
79	UV Fluorescence Detection and Spectroscopy in Chemistry and Life Sciences. <i>Springer Series in Materials Science</i> , 2016, , 351-386.	0.4	0
80	Raman-Spektroskopie in der Dermatologie. , 2016, , 103-115.		0
81	Perturbation Factors in the Clinical Handling of a Fiber-Coupled Raman Probe for Cutaneous in Vivo Diagnostic Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2015, 69, 243-256.	1.2	16
82	<i>In vivo</i> 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
83	Birch pollen influence the severity of atopic eczema &ndash; prospective clinical cohort pilot study and ex vivo penetration study. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2015, 8, 539.	0.8	19
84	Influence of the Systemic Application of Blue-Green Spirulina platensis Algae on the Cutaneous Carotenoids and Elastic Fibers in Vivo. <i>Cosmetics</i> , 2015, 2, 302-312.	1.5	9
85	Determination of the Antioxidant Status of the Skin by In Vivo-Electron Paramagnetic Resonance (EPR) Spectroscopy. <i>Cosmetics</i> , 2015, 2, 286-301.	1.5	19
86	Experiences on the influence of different behaviors on antioxidants and reactive oxygen species in the human skin. <i>Photonics &amp; Lasers in Medicine</i> , 2015, 4, .	0.3	1
87	Evaluation of carotenoids and reactive oxygen species in human skin after <i>UV</i> irradiation: a critical comparison between <i>in vivo</i> and <i>ex vivo</i> investigations. <i>Experimental Dermatology</i> , 2015, 24, 194-197.	1.4	26
88	Raman spectroscopy for the discrimination of cancerous and normal skin. <i>Photonics &amp; Lasers in Medicine</i> , 2015, 4, .	0.3	6
89	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
90	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

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91	Electron Paramagnetic Resonance Spectroscopy to Evaluate the Radical Scavenging Activity of the Skin. , 2015, , 1-11.		0
92	Radical Production by Infrared Irradiation in Human Skin. , 2015, , 1-10.		0
93	Interaction of dermatologically relevant nanoparticles with skin cells and skin. Beilstein Journal of Nanotechnology, 2014, 5, 2363-2373.	1.5	55
94	Comparison of in vivo and ex vivo laser scanning microscopy and multiphoton tomography application for human and porcine skin imaging. Quantum Electronics, 2014, 44, 646-651.	0.3	45
95	In vivo enhancement of imaging depth for optical coherence tomography by eudermic agents on ridged and meshed human skin. Laser Physics Letters, 2014, 11, 035602.	0.6	3
96	Reactive Molecule Species and Antioxidative Mechanisms in Normal Skin and Skin Aging. Skin Pharmacology and Physiology, 2014, 27, 316-332.	1.1	114
97	Comparison of silver nanoparticles stored under air or argon with respect to the induction of intracellular free radicals and toxic effects toward keratinocytes. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 651-657.	2.0	39
98	Evaluation of optical coherence tomography as a non-invasive diagnostic tool in cutaneous wound healing. Skin Research and Technology, 2014, 20, 1-7.	0.8	36
99	Influence of sun exposure on the cutaneous collagen/elastin fibers and carotenoids: negative effects can be reduced by application of sunscreen. Journal of Biophotonics, 2014, 7, 735-743.	1.1	35
100	Characterization of atopic skin and the effect of a hyperforin-rich cream by laser scanning microscopy. Journal of Biomedical Optics, 2014, 20, 051013.	1.4	11
101	Penetration of silver nanoparticles into porcine skin <i>ex vivo</i> using fluorescence lifetime imaging microscopy, Raman microscopy, and surface-enhanced Raman scattering microscopy. Journal of Biomedical Optics, 2014, 20, 051006.	1.4	79
102	Cutaneous Carotenoids: The Mirror of Lifestyle?. Skin Pharmacology and Physiology, 2014, 27, 201-201.	1.1	25
103	Comparison of the skin penetration of Garcinia mangostana extract in particulate and non-particulate form. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 307-313.	2.0	18
104	Reactions in acetone, perfluoroacetone and acetylene triggered by low energy (0-15eV) electrons. International Journal of Mass Spectrometry, 2014, 365-366, 80-85.	0.7	6
105	Oil-enriched, ultra-small nanostructured lipid carriers (usNLC): A novel delivery system based on flip-flop structure. International Journal of Pharmaceutics, 2014, 477, 227-235.	2.6	38
106	Enhancement of skin radical scavenging activity and stratum corneum lipids after the application of a hyperforin-rich cream. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 227-233.	2.0	25
107	Reactions in 1,1,1-Trifluoroacetone Triggered by Low Energy Electrons (0-10 eV): From Simple Bond Cleavages to Complex Unimolecular Reactions. Journal of Physical Chemistry A, 2014, 118, 6542-6546.	1.1	4
108	PVP-coated, negatively charged silver nanoparticles: A multi-center study of their physicochemical characteristics, cell culture and in vivo experiments. Beilstein Journal of Nanotechnology, 2014, 5, 1944-1965.	1.5	119

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109	Spectroscopic biofeedback on cutaneous carotenoids as part of a prevention program could be effective to raise health awareness in adolescents. <i>Journal of Biophotonics</i> , 2014, 7, 926-937.	1.1	16
110	Comparison of two encapsulated curcumin particular systems contained in different formulations with regard to <i>in vitro</i> skin penetration. <i>Skin Research and Technology</i> , 2013, 19, 1-9.	0.8	29
111	Influence of finishing textile materials on the reduction of skin irritations. <i>Skin Research and Technology</i> , 2013, 19, e409-16.	0.8	7
112	Optical methods for noninvasive determination of carotenoids in human and animal skin. <i>Journal of Biomedical Optics</i> , 2013, 18, 061230.	1.4	91
113	<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
114	Radical Scavenging Capacity in Human Skin before and after Vitamin C Uptake: An In Vivo Feasibility Study Using Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1102-1104.	0.3	13
115	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
116	Methods for the Evaluation of the Protective Efficacy of Sunscreen Products. <i>Skin Pharmacology and Physiology</i> , 2013, 26, 30-35.	1.1	13
117	Dose-Dependent Vitamin C Uptake and Radical Scavenging Activity in Human Skin Measured with <i>in vivo</i> Electron Paramagnetic Resonance Spectroscopy. <i>Skin Pharmacology and Physiology</i> , 2013, 26, 147-154.	1.1	31
118	Radical Protection by Differently Composed Creams in the <i>UV</i> and <i>VIS</i> and <i>IR</i> Spectral Ranges. <i>Photochemistry and Photobiology</i> , 2013, 89, 1079-1084.	1.3	35
119	Radical protection in the visible and infrared by a hyperforin-rich cream – <i>in vivo</i> versus <i>ex vivo</i> methods. <i>Experimental Dermatology</i> , 2013, 22, 354-357.	1.4	26
120	Analyses of the correlation between dermal and blood carotenoids in female cattle by optical methods. <i>Journal of Biomedical Optics</i> , 2012, 18, 061219.	1.4	7
121	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
122	<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
123	Cutaneous radical scavenging effects of orally administered antioxidants measured by electron paramagnetic resonance spectroscopy. <i>E-SPEN Journal</i> , 2012, 7, e160-e166.	0.5	9
124	<i>In vivo</i> photoprotective and anti-inflammatory effect of hyperforin is associated with high antioxidant activity <i>in vitro</i> and <i>ex vivo</i> . <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 346-350.	2.0	63
125	Photocatalytic activity of TiO <sub>2</sub> nanoparticles: effect of thermal annealing under various gaseous atmospheres. <i>Nanotechnology</i> , 2012, 23, 475711.	1.3	33
126	Encapsulated curcumin results in prolonged curcumin activity <i>in vitro</i> and radical scavenging activity <i>ex vivo</i> on skin after UVB-irradiation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 485-490.	2.0	48



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127	Analysis of the efficiency of hair removal by different optical methods: comparison of Trichoscan, reflectance confocal microscopy, and optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2012, 17, 101504.	1.4	11
128	Comparison between TEWL and laser scanning microscopy measurements for the <i>in vivo</i> characterization of the human epidermal barrier. <i>Journal of Biophotonics</i> , 2012, 5, 152-158.	1.1	13
129	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
130	Influence of skin aging effects on the skin surface profile and the correlated distribution of topically applied sunscreens. <i>Journal of Biophotonics</i> , 2012, 5, 274-282.	1.1	8
131	Determination of the protection efficacy and homogeneity of the distribution of sunscreens applied onto skin pre-treated with cosmetic products. <i>Skin Research and Technology</i> , 2012, 18, 245-250.	0.8	5
132	Simulation of color perception of layered dental composites using optical properties to evaluate the benefit of esthetic layer preparation technique. <i>Dental Materials</i> , 2012, 28, 424-432.	1.6	20
133	Topical antioxidants protect the skin from chemical-induced irritation in the repetitive washing test: a placebo-controlled, double-blind study. <i>Contact Dermatitis</i> , 2012, 67, 234-237.	0.8	20
134	Raman spectroscopic analysis of the carotenoid concentration in egg yolks depending on the feeding and housing conditions of the laying hens. <i>Journal of Biophotonics</i> , 2012, 5, 33-39.	1.1	12
135	Dermal carotenoid level and kinetics after topical and systemic administration of antioxidants: Enrichment strategies in a controlled <i>in vivo</i> study. <i>Journal of Dermatological Science</i> , 2011, 64, 53-58.	1.0	49
136	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
137	Carotenoids in human skin. <i>Experimental Dermatology</i> , 2011, 20, 377-382.	1.4	91
138	Topical beta-carotene protects against infra-red light-induced free radicals. <i>Experimental Dermatology</i> , 2011, 20, 125-129.	1.4	68
139	Drug delivery through the skin barrier enhanced by treatment with tissue-tolerable plasma. <i>Experimental Dermatology</i> , 2011, 20, 488-490.	1.4	52
140	Determination of the antioxidative capacity of the skin <i>in vivo</i> using resonance Raman and electron paramagnetic resonance spectroscopy. <i>Experimental Dermatology</i> , 2011, 20, 483-487.	1.4	73
141	Corrigendum to: Drug delivery through the skin barrier enhanced by treatment with tissue-tolerable plasma. <i>Experimental Dermatology</i> , 2011, 20, 696-696.	1.4	0
142	Radical Protection by Sunscreens in the Infrared Spectral Range. <i>Photochemistry and Photobiology</i> , 2011, 87, 452-456.	1.3	45
143	Skin penetration enhancement of core-multishell nanotransporters and invasomes measured by electron paramagnetic resonance spectroscopy. <i>International Journal of Pharmaceutics</i> , 2011, 416, 223-8.	2.6	35
144	Nanostructured lipid carriers as nitroxide depot system measured by electron paramagnetic resonance spectroscopy. <i>International Journal of Pharmaceutics</i> , 2011, 421, 364-369.	2.6	24

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