

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	Determination of optical properties of human blood in the spectral range 250â€­,toâ€­,1100â€­,nm using Monte Carlo simulations with hematocrit-dependent effective scattering phase functions. Journal of Biomedical Optics, 2006, 11, 034021.	1.4	241
2	Influence of oxygen saturation on the optical scattering properties of human red blood cells in the spectral range 250â€­,toâ€­,2000â€­,nm. Journal of Biomedical Optics, 2009, 14, 034001.	1.4	146
3	Model function to calculate the refractive index of native hemoglobin in the wavelength range of 250-1100 nm dependent on concentration. Applied Optics, 2006, 45, 2838.	2.1	138
4	Optical properties of platelets and blood plasma and their influence on the optical behavior of whole blood in the visible to near infrared wavelength range. Journal of Biomedical Optics, 2007, 12, 014024.	1.4	135
5	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
6	Reactive Molecule Species and Antioxidative Mechanisms in Normal Skin and Skin Aging. Skin Pharmacology and Physiology, 2014, 27, 316-332.	1.1	114
7	Non-invasive in vivo determination of the carotenoids beta-carotene and lycopene concentrations in the human skin using the Raman spectroscopic method. Journal Physics D: Applied Physics, 2005, 38, 2696-2700.	1.3	110
8	Bioavailability of natural carotenoids in human skin compared to blood. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 269-274.	2.0	100
9	Radical Production by Infrared A Irradiation in Human Tissue. Skin Pharmacology and Physiology, 2010, 23, 40-46.	1.1	96
10	Carotenoids in human skin. Experimental Dermatology, 2011, 20, 377-382.	1.4	91
11	Optical methods for noninvasive determination of carotenoids in human and animal skin. Journal of Biomedical Optics, 2013, 18, 061230.	1.4	91
12	Safety Assessment by Multiphoton Fluorescence/Second Harmonic Generation/Hyper-Rayleigh Scattering Tomography of ZnO Nanoparticles Used in Cosmetic Products. Skin Pharmacology and Physiology, 2012, 25, 219-226.	1.1	89
13	Determination of the complex refractive index of highly concentrated hemoglobin solutions using transmittance and reflectance measurements. Journal of Biomedical Optics, 2005, 10, 064019.	1.4	88
14	Formation of Free Radicals in Human Skin during Irradiation with Infrared Light. Journal of Investigative Dermatology, 2010, 130, 629-631.	0.3	85
15	Influence of dietary carotenoids on radical scavenging capacity of the skin and skin lipids. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 365-373.	2.0	80
16	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
17	Non-invasive in vivo detection of the carotenoid antioxidant substance lycopene in the human skin using the resonance Raman spectroscopy. Laser Physics Letters, 2006, 3, 460-463.	0.6	77
18	Overview about the localization of nanoparticles in tissue and cellular context by different imaging techniques. Beilstein Journal of Nanotechnology, 2015, 6, 263-280.	1.5	77

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19	Empirical model functions to calculate hematocrit-dependent optical properties of human blood. <i>Applied Optics</i> , 2007, 46, 1742.	2.1	75
20	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
21	Topical beta-carotene protects against infra-red-light-induced free radicals. <i>Experimental Dermatology</i> , 2011, 20, 125-129.	1.4	68
22	Dissociative electron attachment to singlet oxygen. <i>Chemical Physics Letters</i> , 1992, 193, 62-68.	1.2	67
23	Interaction between Carotenoids and Free Radicals in Human Skin. <i>Skin Pharmacology and Physiology</i> , 2011, 24, 238-244.	1.1	67
24	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
25	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
26	Polycyclic aromatic hydrocarbons: negative ion formation following low energy (0-15 eV) electron impact. <i>Chemical Physics</i> , 1992, 161, 501-508.	0.9	64
27	Cutaneous lycopene and Î²-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
28	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
29	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
30	Do nanoparticles have a future in dermal drug delivery?. <i>Journal of Controlled Release</i> , 2017, 246, 174-182.	4.8	61
31	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
32	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
33	Anion formation from gaseous and condensed CF3I on low energy electron impact. <i>Journal of Chemical Physics</i> , 1993, 99, 5141-5150.	1.2	57
34	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
35	Interaction of dermatologically relevant nanoparticles with skin cells and skin. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2363-2373.	1.5	55
36	Drug delivery through the skin barrier enhanced by treatment with tissue-tolerable plasma. <i>Experimental Dermatology</i> , 2011, 20, 488-490.	1.4	52

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37	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
38	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
39	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
40	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
41	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
42	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
43	Radical Protection by Sunscreens in the Infrared Spectral Range. <i>Photochemistry and Photobiology</i> , 2011, 87, 452-456.	1.3	45
44	Comparison of in vivo and ex vivo laser scanning microscopy and multiphoton tomography application for human and porcine skin imaging. <i>Quantum Electronics</i> , 2014, 44, 646-651.	0.3	45
45	Skin type differences in solar-simulated radiation-induced oxidative stress. <i>British Journal of Dermatology</i> , 2019, 180, 597-603.	1.4	44
46	Influence of two different IR radiators on the antioxidative potential of the human skin. <i>Laser Physics Letters</i> , 2009, 6, 229-234.	0.6	42
47	Two-color Raman spectroscopy for the simultaneous detection of chemotherapeutics and antioxidative status of human skin. <i>Laser Physics Letters</i> , 2011, 8, 895-900.	0.6	42
48	<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
49	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
50	<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
51	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
52	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
53	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
54	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

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55	Rutinâ€™Increased Antioxidant Activity and Skin Penetration by Nanocrystal Technology (smartCrystals). <i>Cosmetics</i> , 2016, 3, 9.	1.5	39
56	Oil-enriched, ultra-small nanostructured lipid carriers (usNLC): A novel delivery system based on flipâ€™flop structure. <i>International Journal of Pharmaceutics</i> , 2014, 477, 227-235.	2.6	38
57	Negative ion formation from low energy (0â€™15 eV) electron impact to CF ₂ Cl ₂ under different phase conditions. <i>Journal of Chemical Physics</i> , 2000, 113, 11063-11070.	1.2	37
58	Skin tolerant inactivation of multiresistant pathogens using far-UVC LEDs. <i>Scientific Reports</i> , 2021, 11, 14647.	1.6	37
59	Evaluation of optical coherence tomography as a nonâ€™invasive diagnostic tool in cutaneous wound healing. <i>Skin Research and Technology</i> , 2014, 20, 1-7.	0.8	36
60	Skin penetration enhancement of coreâ€™multishell nanotransporters and invasomes measured by electron paramagnetic resonance spectroscopy. <i>International Journal of Pharmaceutics</i> , 2011, 416, 223-8.	2.6	35
61	Radical Protection by Differently Composed Creams in the <scp>UV</scp>/<scp>VIS</scp> and <scp>IR</scp> Spectral Ranges. <i>Photochemistry and Photobiology</i> , 2013, 89, 1079-1084.	1.3	35
62	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
63	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
64	Photocatalytic activity of TiO ₂ nanoparticles: effect of thermal annealing under various gaseous atmospheres. <i>Nanotechnology</i> , 2012, 23, 475711.	1.3	33
65	Electron-stimulated desorption of anions from condensed CF ₄ . <i>Chemical Physics Letters</i> , 1993, 205, 213-218.	1.2	32
66	Influence of shear rate on the optical properties of human blood in the spectral range 250 to 1100â€™nm. <i>Journal of Biomedical Optics</i> , 2007, 12, 054005.	1.4	32
67	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
68	Title is missing!. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6601-6606.	2.9	31
69	Dose-Dependent Vitamin C Uptake and Radical Scavenging Activity in Human Skin Measured with in vivo Electron Paramagnetic Resonance Spectroscopy. <i>Skin Pharmacology and Physiology</i> , 2013, 26, 147-154.	1.1	31
70	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
71	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
72	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

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73	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
74	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
75	ROS production and glutathione response in keratinocytes after application of β^2 -carotene and VIS/NIR irradiation. <i>Chemico-Biological Interactions</i> , 2018, 280, 1-7.	1.7	28
76	Effect of size of TiO ₂ nanoparticles applied onto glass slide and porcine skin on generation of free radicals under ultraviolet irradiation. <i>Journal of Biomedical Optics</i> , 2009, 14, 021011.	1.4	26
77	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
78	Evaluation of carotenoids and reactive oxygen species in human skin after UV 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
79	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
80	Influence of osmolarity on the optical properties of human erythrocytes. <i>Journal of Biomedical Optics</i> , 2010, 15, 055005.	1.4	25
81	Cutaneous Carotenoids: The Mirror of Lifestyle?. <i>Skin Pharmacology and Physiology</i> , 2014, 27, 201-201.	1.1	25
82	Enhancement of skin radical scavenging activity and stratum corneum lipids after the application of a hyperforin-rich cream. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 227-233.	2.0	25
83	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
84	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
85	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
86	Application of 233Ånm 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
87	Migration and penetration of a fluorescent textile dye into the skin – <i>in vivo</i> versus <i>in vitro</i> methods. <i>Experimental Dermatology</i> , 2009, 18, 789-792.	1.4	22
88	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
89	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
90	Determination of the influence of IR radiation on the antioxidative network of the human skin. <i>Journal of Biophotonics</i> , 2011, 4, 21-29.	1.1	21

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91	Prevention of Follicular Penetration: Barrier-Enhancing Formulations against the Penetration of Pollen Allergens into Hair Follicles. <i>Skin Pharmacology and Physiology</i> , 2011, 24, 144-150.	1.1	21
92	Drug distribution in nanostructured lipid particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 110, 19-23.	2.0	21
93	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
94	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
95	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
96	Birch pollen influence the severity of atopic eczema – prospective clinical cohort pilot study and ex vivo penetration study. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2015, 8, 539.	0.8	19
97	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
98	Comparison of the skin penetration of <i>Garcinia mangostana</i> extract in particulate and non-particulate form. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 307-313.	2.0	18
99	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
100	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
101	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
102	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
103	Detergent-Based Decellularization of Bovine Carotid Arteries for Vascular Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2683-2692.	1.3	17
104	Nanocrystals for Improved Drug Delivery of Dexamethasone in Skin Investigated by EPR Spectroscopy. <i>Pharmaceutics</i> , 2020, 12, 400.	2.0	17
105	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
106	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
107	A novel device for the non-invasive measurement of free hemoglobin in blood bags / MessgerÄt zur zerstÄrungsfreien Messung von freiem HÄmoglobin in Blutkonserven. <i>Biomedizinische Technik</i> , 2005, 50, 2-7.	0.9	15
108	Optical properties of dental restorative materials in the wavelength range 400-700nm for the simulation of color perception. <i>Journal of Biomedical Optics</i> , 2009, 14, 054029.	1.4	15

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
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	Comparison of blood flow to the cutaneous temperature and redness after topical application of benzyl nicotinate. <i>Journal of Biomedical Optics</i> , 2006, 11, 014025.	1.4	12
118	Two-wavelength carbon dioxide laser application for in-vitro blood glucose measurements. <i>Journal of Biomedical Optics</i> , 2008, 13, 014021.	1.4	12
119	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
120	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
121	Low-energy dissociation of OClO following electron capture. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 3615-3626.	0.6	11
122	Fibre-Optic IR-Spectroscopy for Biomedical Diagnostics. <i>Spectroscopy</i> , 2003, 17, 323-344.	0.8	11
123	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
124	Characterization of atopic skin and the effect of a hyperforin-rich cream by laser scanning microscopy. <i>Journal of Biomedical Optics</i> , 2014, 20, 051013.	1.4	11
125	Application of optical methods to characterize textile materials and their influence on the human skin. <i>Journal of Biomedical Optics</i> , 2011, 16, 046013.	1.4	10
126	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

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127	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
128	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
129	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
130	<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
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	Detection of capecitabine (Xeloda [®]) on the skin surface after oral administration. <i>Journal of Biomedical Optics</i> , 2016, 21, 047002.	1.4	8
139	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
140	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
141	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
142	Influence of finishing textile materials on the reduction of skin irritations. <i>Skin Research and Technology</i> , 2013, 19, e409-16.	0.8	7
143	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
144	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

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