

Juergen Lademann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

342
papers

13,795
citations

62
h-index

103
g-index

369
ext. papers

15,319
ext. citations

3.5
avg, IF

6.39
L-index

#	Paper	IF	Citations
342	Formulation of drug-loaded oligodepsipeptide particles with submicron size. <i>Clinical Hemorheology and Microcirculation</i> , 2021 , 77, 201-219	2.5	
341	Electrohydrodynamic spray applicator for homogenous application and reduced overspray of sunscreen. <i>Skin Research and Technology</i> , 2021 , 27, 191-200	1.9	
340	In vivo sun protection factor and UVA protection factor determination using (hybrid) diffuse reflectance spectroscopy and a multi-lambda-LED light source. <i>Journal of Biophotonics</i> , 2021 , 14, e202000348	3.1	1
339	Noninvasive measurement of the 308 nm LED-based UVB protection factor of sunscreens. <i>Journal of Biophotonics</i> , 2021 , 14, e202000453	3.1	0
338	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	6.5	5
337	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	3	
336	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	6.7	1
335	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,	5.4	2
334	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	5.7	6
333	Fiber-based SORS-SERDS system and chemometrics for the diagnostics and therapy monitoring of psoriasis inflammatory disease. <i>Biomedical Optics Express</i> , 2021 , 12, 1123-1135	3.5	2
332	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	3.2	1
331	Response to comment by Puppels et al. on "A modification for the calculation of water depth profiles in oil-treated skin by in vivo Raman microscopy". <i>Journal of Biophotonics</i> , 2020 , 13, e2460	3.1	1
330	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,	7.1	2
329	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	4	2
328	Microneedle-Facilitated Intradermal Proretinal Nanoparticle Delivery. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
327	Solvent-Containing Closure Material Can Be Used to Prevent Follicular Penetration of Caffeine and Fluorescein Sodium Salt on Porcine Ear Skin. <i>Skin Pharmacology and Physiology</i> , 2020 , 33, 117-126	3	3
326	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	1.9	0

325	Wound Healing Process After Thermomechanical Skin Ablation. <i>Lasers in Surgery and Medicine</i> , 2020 , 52, 730-734	3.6	7
324	In vivo detection of changes in cutaneous carotenoids after chemotherapy using shifted excitation resonance Raman difference and fluorescence spectroscopy. <i>Skin Research and Technology</i> , 2020 , 26, 301-307	1.9	1
323	The Oxidation-Induced Autofluorescence Hypothesis: Red Edge Excitation and Implications for Metabolic Imaging. <i>Molecules</i> , 2020 , 25,	4.8	10
322	Characterization of Sunscreens: Determination of the SPF 2020 , 197-205		
321	Application of paretic spectroscopy to detect skin cancer-A pilot study. <i>Skin Research and Technology</i> , 2020 , 26, 234-240	1.9	2
320	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	2.4	21
319	Recent advances in follicular drug delivery of nanoparticles. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 49-60	8	32
318	Reflectance confocal microscopy for noninvasive examination of nonmelanocytic tumors and virus-associated skin lesions in organ transplant recipients. <i>Skin Research and Technology</i> , 2020 , 26, 376-389	1.9	1
317	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	3	2
316	Barrier-disrupted skin: Quantitative analysis of tape and cyanoacrylate stripping efficiency by multiphoton tomography. <i>International Journal of Pharmaceutics</i> , 2020 , 574, 118843	6.5	8
315	Investigation of transfollicular caffeine penetration using microdialysis on ex vivo porcine ear skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 157, 1-8	5.7	11
314	In vivo non-invasive staining-free visualization of dermal mast cells in healthy, allergy and mastocytosis humans using two-photon fluorescence lifetime imaging. <i>Scientific Reports</i> , 2020 , 10, 14936	4.9	5
313	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,	3.8	3
312	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	3.5	19
311	In vivo Tracking of DNA for Precise Determination of the Stratum Corneum Thickness and Superficial Microbiome Using Confocal Raman Microscopy. <i>Skin Pharmacology and Physiology</i> , 2020 , 33, 30-37	3	8
310	A modification for the calculation of water depth profiles in oil-treated skin by in vivo confocal Raman microscopy. <i>Journal of Biophotonics</i> , 2020 , 13, e201960106	3.1	6
309	Hautkrebsprävention und Sonnenschutzcreme: Ein Update. <i>Tumor Diagnostik Und Therapie</i> , 2019 , 40, 378-381	0.1	
308	Free and bound Thioflavin T molecules with ultrafast relaxation: implications for assessment of protein binding and aggregation. <i>Laser Physics Letters</i> , 2019 , 16, 075601	1.5	4

307	Confocal Raman imaging of skin sections containing hair follicles using classical least squares regression and multivariate curve resolution. <i>Quantum Electronics</i> , 2019 , 49, 6-12	1.8	2
306	Interactions of Nanoparticles with Skin. <i>Nanoscience and Technology</i> , 2019 , 329-339	0.6	5
305	Increasing the percutaneous absorption and follicular penetration of retinal by topical application of proretinal nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 139, 93-100	5.7	11
304	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake. <i>Scientific Reports</i> , 2019 , 9, 2913	4.9	29
303	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	3	13
302	Modified normalization method in in vivo stratum corneum analysis using confocal Raman microscopy to compensate nonhomogeneous distribution of keratin. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 945	2.3	11
301	Influence of polyester spacer fabric, cotton, chloroprene rubber, and silicone on microclimatic and morphologic physiologic skin parameters in vivo. <i>Skin Research and Technology</i> , 2019 , 25, 389-398	1.9	4
300	Solid Lipid Curcumin-loaded Particles for in vivo Fluorescent Imaging in Humans: A Proof of Concept. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019 , 126, 730-735	0.7	0
299	The non-homogenous distribution and aggregation of carotenoids in the stratum corneum correlates with the organization of intercellular lipids in vivo. <i>Experimental Dermatology</i> , 2019 , 28, 1237-1243	4.1	10
298	Non-invasive depth profiling of the stratum corneum using confocal Raman microscopy considering the non-homogeneous distribution of keratin. <i>Biomedical Optics Express</i> , 2019 , 10, 3092-3103	3.5	10
297	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	7.8	17
296	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	11.7	32
295	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	3.1	31
294	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	3	2
293	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	3.3	16
292	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	3.1	37
291	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	3.1	9
290	Recent progress in tissue optical clearing for spectroscopic application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 197, 216-229	4.4	58

289	Laser Scanning Microscopic Investigations of the Decontamination of Soot Nanoparticles from the Skin. <i>Skin Pharmacology and Physiology</i> , 2018 , 31, 87-94	3	5
288	Shape-Dependent Dissolution and Cellular Uptake of Silver Nanoparticles. <i>Langmuir</i> , 2018 , 34, 1506-1512	4	43
287	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	3.1	8
286	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	5.6	23
285	Temperature-Enhanced Follicular Penetration of Thermoresponsive Nanogels. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 805-817	3.1	4
284	Determination of the effect of boiling on the bioavailability of carotenoids in vegetables using resonance Raman spectroscopy. <i>Laser Physics</i> , 2018 , 28, 105602	1.2	8
283	Formation of hemoglobin photoproduct is responsible for two-photon and single photon-excited fluorescence of red blood cells. <i>Laser Physics Letters</i> , 2018 , 15, 075604	1.5	12
282	Differentiation of Different Nonmelanoma Skin Cancer Types Using OCT. <i>Skin Pharmacology and Physiology</i> , 2018 , 31, 238-245	3	11
281	7. Nanocosmetics 2018 , 101-116		0
280	Letter. In response to: "Cold atmospheric pressure plasma for treatment of chronic wounds: drug or medical device?". <i>Journal of Wound Care</i> , 2018 , 27, 892-893	2.2	
279	Confocal Raman microscopy combined with optical clearing for identification of inks in multicolored tattooed skin in vivo. <i>Analyst, The</i> , 2018 , 143, 4990-4999	5	18
278	Application of Photoacoustic Methods and Confocal Microscopy for Monitoring of Therapeutic Response in Plaque Psoriasis. <i>Skin Pharmacology and Physiology</i> , 2018 , 31, 308-315	3	7
277	Influence of Sorafenib, Sunitinib and Capecitabine on the Antioxidant Status of the Skin. <i>Anticancer Research</i> , 2018 , 38, 5283-5288	2.3	3
276	Shifted excitation resonance Raman difference spectroscopy system suitable for the quantitative in vivo detection of carotenoids in human skin. <i>Laser Physics Letters</i> , 2018 , 15, 115601	1.5	5
275	In vivo optical imaging of the viable epidermis around the nailfold capillaries for the assessment of heart failure severity in humans. <i>Journal of Biophotonics</i> , 2018 , 11, e201800066	3.1	7
274	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	4	5
273	A comparative study of ex vivo skin optical clearing using two-photon microscopy. <i>Journal of Biophotonics</i> , 2017 , 10, 1115-1123	3.1	28
272	Depth-dependent autofluorescence photobleaching using 325, 473, 633, and 785 nm of porcine ear skin ex vivo. <i>Journal of Biomedical Optics</i> , 2017 , 22, 91503	3.5	23

271	Synthesis and Validation of Functional Nanogels as pH-Sensors in the Hair Follicle. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600505	5.5	20
270	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	4.3	30
269	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	3	34
268	Scalp imaging techniques. <i>Laser Physics Letters</i> , 2017 , 14, 055701	1.5	4
267	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	3	22
266	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	1.9	13
265	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	5.7	20
264	Influences of Orally Taken Carotenoid-Rich Curly Kale Extract on Collagen I/Elastin Index of the Skin. <i>Nutrients</i> , 2017 , 9,	6.7	15
263	Effects of glucocorticoids on stratum corneum lipids and function in human skin-A detailed lipidomic analysis. <i>Journal of Dermatological Science</i> , 2017 , 88, 330-338	4.3	18
262	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	3	24
261	In vivo characterization of structural changes after topical application of glucocorticoids in healthy human skin. <i>Journal of Biomedical Optics</i> , 2017 , 22, 76018	3.5	12
260	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	4.9	52
259	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	3	13
258	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	4.9	44
257	Surface determination of 3D confocal Raman microscopy imaging of the skin. <i>Laser Physics Letters</i> , 2017 , 14, 125601	1.5	5
256	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	3.6	12
255	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	7.7	43
254	Ratchet effect for nanoparticle transport in hair follicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 116, 125-130	5.7	41

253	Fluorescence detection of protein content in house dust: the possible role of keratin. <i>Indoor Air</i> , 2017 , 27, 377-385	5.4	14
252	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	5.7	12
251	Do nanoparticles have a future in dermal drug delivery?. <i>Journal of Controlled Release</i> , 2017 , 246, 174-182	1.7	49
250	Stripping Procedures for Penetration Measurements of Topically Applied Substances 2017 , 205-214		4
249	Radical Production by Infrared Irradiation in Human Skin 2017 , 1051-1060		
248	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		
247	Electron Paramagnetic Resonance Spectroscopy to Evaluate the Radical Scavenging Activity of the Skin 2017 , 1523-1533		
246	The Role of Antioxidants in Prevention of Premature Skin Aging 2016 , 15-29		
245	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	5	81
244	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	3.5	11
243	Comment on Dengue viral infection monitoring from diagnostic to recovery using Raman spectroscopy <i>Laser Physics Letters</i> , 2016 , 13, 048001	1.5	
242	Prevention of Cutaneous Penetration and CD1c+ Uptake of Pollen Allergens by a Barrier-Enhancing Formulation. <i>Skin Pharmacology and Physiology</i> , 2016 , 29, 71-5	3	1
241	Detection of capecitabine (Xeloda®) on the skin surface after oral administration. <i>Journal of Biomedical Optics</i> , 2016 , 21, 47002	3.5	7
240	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, 41-6	3	25
239	Triggered release of model drug from AuNP-doped BSA nanocarriers in hair follicles using IRA radiation. <i>Acta Biomaterialia</i> , 2016 , 30, 388-396	10.8	23
238	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	3	11
237	A depth-dependent profile of the lipid conformation and lateral packing order of the stratum corneum in vivo measured using Raman microscopy. <i>Analyst, The</i> , 2016 , 141, 1981-7	5	53
236	Raman-Spektroskopie in der Dermatologie 2016 , 103-115		

235	Penetration of topically applied nanocarriers into the hair follicles of dog and rat dorsal skin and porcine ear skin. <i>Veterinary Dermatology</i> , 2016 , 27, 256-e60	1.8	11
234	Comparison of morphologic criteria for actinic keratosis and squamous cell carcinoma using in vivo multiphoton tomography. <i>Experimental Dermatology</i> , 2016 , 25, 218-22	4	21
233	Significance of the follicular pathway for dermal substance penetration quantified by laser Doppler flowmetry. <i>Journal of Biophotonics</i> , 2016 , 9, 276-81	3.1	9
232	Effects on detection of radical formation in skin due to solar irradiation measured by EPR spectroscopy. <i>Methods</i> , 2016 , 109, 44-54	4.6	15
231	Free radicals induced by sunlight in different spectral regions - in vivo versus ex vivo study. <i>Experimental Dermatology</i> , 2016 , 25, 380-5	4	45
230	Optimization of the measurement procedure during multiphoton tomography of human skin in vivo. <i>Skin Research and Technology</i> , 2016 , 22, 356-62	1.9	3
229	Multiple spatially resolved reflection spectroscopy for in vivo determination of carotenoids in human skin and blood. <i>Laser Physics Letters</i> , 2016 , 13, 095601	1.5	10
228	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	3	11
227	In vivo/ex vivo targeting of Langerhans cells after topical application of the immune response modifier TMX-202: confocal Raman microscopy and histology analysis. <i>Journal of Biomedical Optics</i> , 2016 , 21, 55004	3.5	4
226	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	4.6	11
225	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, 51-8	5.7	48
224	Aktueller und perspektivischer Einsatz kalter Plasmen aus hygienischer Indikation 2016 , 137-155		
223	Lipid organization and stratum corneum thickness determined in vivo in human skin analyzing lipid/keratin peak (2820/3030 cm ⁻¹) using confocal Raman microscopy. <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 1327-1331	2.3	14
222	Biologic Effects of Light: An Enlighting Prospective. <i>Anticancer Research</i> , 2016 , 36, 1339-43	2.3	4
221	Light - Instead of UV Protection: New Requirements for Skin Cancer Prevention. <i>Anticancer Research</i> , 2016 , 36, 1389-93	2.3	13
220	Influence of Chemotherapy on the Antioxidant Status of Human Skin. <i>Anticancer Research</i> , 2016 , 36, 4089-93	2.3	5
219	Evaluation of carotenoids and reactive oxygen species in human skin after UV irradiation: a critical comparison between in vivo and ex vivo investigations. <i>Experimental Dermatology</i> , 2015 , 24, 194-7	4	22
218	Confocal Raman microscopy for investigating the penetration of various oils into the human skin in vivo. <i>Journal of Dermatological Science</i> , 2015 , 79, 176-8	4.3	23

217	Overview about the localization of nanoparticles in tissue and cellular context by different imaging techniques. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 263-80	3	65
216	Influence of mechanical stress on palmoplantar erythrodysesthesia—a case report. <i>Oncology Research and Treatment</i> , 2015 , 38, 42-4	2.8	5
215	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, 201-7	5.7	49
214	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, 73-5	4	31
213	Combined antibacterial effects of tissue-tolerable plasma and a modern conventional liquid antiseptic on chronic wound treatment. <i>Journal of Biophotonics</i> , 2015 , 8, 382-91	3.1	55
212	In vivo study for the discrimination of cancerous and normal skin using fibre probe-based Raman spectroscopy. <i>Experimental Dermatology</i> , 2015 , 24, 767-72	4	48
211	Cold Physical Plasmas in the Field of Hygiene Relevance, Significance, and Future Applications. <i>Plasma Processes and Polymers</i> , 2015 , 12, 1410-1422	3.4	39
210	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, 539-48	2.9	9
209	Influence of the Systemic Application of Blue-Green <i>Spirulina platensis</i> Algae on the Cutaneous Carotenoids and Elastic Fibers in Vivo. <i>Cosmetics</i> , 2015 , 2, 302-312	2.7	6
208	Determination of the Antioxidant Status of the Skin by In Vivo-Electron Paramagnetic Resonance (EPR) Spectroscopy. <i>Cosmetics</i> , 2015 , 2, 286-301	2.7	15
207	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, 579675	6.7	54
206	The Increasing Importance of the Hair Follicle Route in Dermal and Transdermal Drug Delivery 2015 , 43-53		4
205	Experiences on the influence of different behaviors on antioxidants and reactive oxygen species in the human skin. <i>Photonics & Lasers in Medicine</i> , 2015 , 4,		1
204	Free Radical Threshold Value: A New Universal Body Constant. <i>Skin Pharmacology and Physiology</i> , 2015 , 28, 264-8	3	16
203	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, 318-30	3	51
202	Non-invasive spectroscopic determination of the antioxidative status of gravidae and neonates. <i>Skin Pharmacology and Physiology</i> , 2015 , 28, 189-95	3	8
201	Characterization of atopic skin and the effect of a hyperforin-rich cream by laser scanning microscopy. <i>Journal of Biomedical Optics</i> , 2015 , 20, 051013	3.5	8
200	Penetration of silver nanoparticles into porcine skin ex vivo using fluorescence lifetime imaging microscopy, Raman microscopy, and surface-enhanced Raman scattering microscopy. <i>Journal of Biomedical Optics</i> , 2015 , 20, 051006	3.5	68

199	Electron Paramagnetic Resonance Spectroscopy to Evaluate the Radical Scavenging Activity of the Skin 2015 , 1-11		
198	Radical Production by Infrared Irradiation in Human Skin 2015 , 1-10		
197	Quantification of the Inhomogeneous Distribution of Topically Applied Substances on the Human Skin by Optical Spectroscopy: Definition of a Factor of Inhomogeneity 2015 , 1-6		
196	Comparative study of hair follicle morphology in eight mammalian species and humans. <i>Skin Research and Technology</i> , 2014 , 20, 147-54	1.9	34
195	Molecular action mechanisms of solar infrared radiation and heat on human skin. <i>Ageing Research Reviews</i> , 2014 , 16, 1-11	12	95
194	Gaussian-function-based deconvolution method to determine the penetration ability of petrolatum oil into human skin using confocal Raman microscopy. <i>Laser Physics</i> , 2014 , 24, 105601	1.2	29
193	Dermal nanocrystals from medium soluble actives - physical stability and stability affecting parameters. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 85-91	5.7	34
192	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, 227-33	5.7	23
191	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, 301-6	5.7	33
190	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, 1571-81	6	41
189	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, 1944-65	3	102
188	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, 926-37	3.1	14
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