

# Annika Vogt

## List of Publications by Citations

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113  
papers

3,390  
citations

31  
h-index

56  
g-index

120  
ext. papers

3,897  
ext. citations

4.6  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
113	40 nm, but not 750 or 1,500 nm, nanoparticles enter epidermal CD1a+ cells after transcutaneous application on human skin. <i>Journal of Investigative Dermatology</i> , <b>2006</b> , 126, 1316-22	4.3	261
112	Skin penetration and cellular uptake of amorphous silica nanoparticles with variable size, surface functionalization, and colloidal stability. <i>ACS Nano</i> , <b>2012</b> , 6, 6829-42	16.7	202
111	Investigation of polylactic acid (PLA) nanoparticles as drug delivery systems for local dermatotherapy. <i>Pharmaceutical Research</i> , <b>2009</b> , 26, 2027-36	4.5	185
110	Follicular transport route--research progress and future perspectives. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2009</b> , 71, 173-80	5.7	171
109	Nanoparticles in dermatology. <i>Archives of Dermatological Research</i> , <b>2011</b> , 303, 533-50	3.3	167
108	Surface functionalization of silica nanoparticles supports colloidal stability in physiological media and facilitates internalization in cells. <i>Langmuir</i> , <b>2012</b> , 28, 7598-613	4	166
107	Hair follicles--an efficient storage and penetration pathway for topically applied substances. Summary of recent results obtained at the Center of Experimental and Applied Cutaneous Physiology, Charit�Universit�smedizin Berlin, Germany. <i>Skin Pharmacology and Physiology</i> , <b>2008</b> , 21, 150-5	3	139
106	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> , <b>2014</b> , 5, 1944-63	2.3	102
105	Nanoparticle-based targeting of vaccine compounds to skin antigen-presenting cells by hair follicles and their transport in mice. <i>Journal of Investigative Dermatology</i> , <b>2009</b> , 129, 1156-64	4.3	99
104	Follicular targeting--a promising tool in selective dermatotherapy. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , <b>2005</b> , 10, 252-5	1.1	95
103	Nanocarriers for drug delivery into and through the skin - Do existing technologies match clinical challenges?. <i>Journal of Controlled Release</i> , <b>2016</b> , 242, 3-15	11.7	93
102	Transcutaneous anti-influenza vaccination promotes both CD4 and CD8 T cell immune responses in humans. <i>Journal of Immunology</i> , <b>2008</b> , 180, 1482-9	5.3	92
101	Human hair follicle: reservoir function and selective targeting. <i>British Journal of Dermatology</i> , <b>2011</b> , 165 Suppl 2, 13-7	4	80
100	Preferential amplification of CD8 effector-T cells after transcutaneous application of an inactivated influenza vaccine: a randomized phase I trial. <i>PLoS ONE</i> , <b>2010</b> , 5, e10818	3.7	75
99	Morphometry of human terminal and vellus hair follicles. <i>Experimental Dermatology</i> , <b>2007</b> , 16, 946-50	4	69
98	Overview about the localization of nanoparticles in tissue and cellular context by different imaging techniques. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 263-80	3	65
97	Effects of thermoresponsivity and softness on skin penetration and cellular uptake of polyglycerol-based nanogels. <i>Journal of Controlled Release</i> , <b>2016</b> , 228, 159-169	11.7	53

96	Intradermal immunization triggers epidermal Langerhans cell mobilization required for CD8 T-cell immune responses. <i>Journal of Investigative Dermatology</i> , <b>2012</b> , 132, 615-25	4.3	46
95	Ethyl cellulose nanocarriers and nanocrystals differentially deliver dexamethasone into intact, tape-stripped or sodium lauryl sulfate-exposed ex vivo human skin - assessment by intradermal microdialysis and extraction from the different skin layers. <i>Journal of Controlled Release</i> , <b>2016</b> , 242, 25-34	11.7	45
94	Shape-Dependent Dissolution and Cellular Uptake of Silver Nanoparticles. <i>Langmuir</i> , <b>2018</b> , 34, 1506-1519	4.3	43
93	Engineering thermoresponsive polyether-based nanogels for temperature dependent skin penetration. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 5827-5831	4.9	42
92	Interaction of dermatologically relevant nanoparticles with skin cells and skin. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 2363-73	3	42
91	Data-based modeling of drug penetration relates human skin barrier function to the interplay of diffusivity and free-energy profiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3631-3636	11.5	38
90	Utilization of biodegradable polymeric materials as delivery agents in dermatology. <i>Clinical, Cosmetic and Investigational Dermatology</i> , <b>2014</b> , 7, 23-34	2.9	37
89	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> , <b>2014</b> , 88, 651-7	5.7	35
88	Frontal fibrosing alopecia: demographic and clinical characteristics of 490 cases. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2019</b> , 33, 1976-1983	4.6	34
87	Qualitative detection of single submicron and nanoparticles in human skin by scanning transmission x-ray microscopy. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 021015	3.5	34
86	Correlation between the chemical composition of thermoresponsive nanogels and their interaction with the skin barrier. <i>Journal of Controlled Release</i> , <b>2016</b> , 243, 323-332	11.7	33
85	New insights on dandruff/seborrheic dermatitis: the role of the scalp follicular infundibulum in effective treatment strategies. <i>British Journal of Dermatology</i> , <b>2011</b> , 165 Suppl 2, 18-23	4	33
84	The role of the microbiome in scalp hair follicle biology and disease. <i>Experimental Dermatology</i> , <b>2020</b> , 29, 286-294	4	33
83	Frequency of the Types of Alopecia at Twenty-Two Specialist Hair Clinics: A Multicenter Study. <i>Skin Appendage Disorders</i> , <b>2019</b> , 5, 309-315	1.4	31
82	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> , <b>2015</b> , 24, 73-5	4	31
81	The Alopecia Areata Consensus of Experts (ACE) study: Results of an international expert opinion on treatments for alopecia areata. <i>Journal of the American Academy of Dermatology</i> , <b>2020</b> , 83, 123-130	4.5	30
80	Stability of polylactic acid particles and release of fluorochromes upon topical application on human skin explants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 80, 76-84	5.7	28
79	Drug delivery across intact and disrupted skin barrier: Identification of cell populations interacting with penetrated thermoresponsive nanogels. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2017</b> , 116, 4-11	5.7	27

78	Core-multishell nanocarriers: Transport and release of dexamethasone probed by soft X-ray spectromicroscopy. <i>Journal of Controlled Release</i> , <b>2016</b> , 242, 64-70	11.7	25
77	Differential diagnosis of hair loss in children. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2004</b> , 2, 399-411	1.2	24
76	Development, standardization and testing of a bacterial wound infection model based on ex vivo human skin. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186946	3.7	24
75	Particle-based transcutaneous administration of HIV-1 p24 protein to human skin explants and targeting of epidermal antigen presenting cells. <i>Journal of Controlled Release</i> , <b>2014</b> , 176, 115-22	11.7	23
74	Ultraviolet radiation and nanoparticle induced intracellular free radicals generation measured in human keratinocytes by electron paramagnetic resonance spectroscopy. <i>Skin Research and Technology</i> , <b>2014</b> , 20, 182-93	1.9	22
73	Lichen planopilaris: Epidemiology and prevalence of subtypes - a retrospective analysis in 104 patients. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2014</b> , 12, 229-35, 229-36	1.2	20
72	Measuring acne using Coproporphyrin III, Protoporphyrin IX, and lesion-specific inflammation: an exploratory study. <i>Archives of Dermatological Research</i> , <b>2017</b> , 309, 159-167	3.3	19
71	Selective Probing of the Penetration of Dexamethasone into Human Skin by Soft X-ray Spectromicroscopy. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6173-9	7.8	19
70	Application of single molecule fluorescence microscopy to characterize the penetration of a large amphiphilic molecule in the stratum corneum of human skin. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 6960-77	6.3	19
69	Effects of glucocorticoids on stratum corneum lipids and function in human skin-A detailed lipidomic analysis. <i>Journal of Dermatological Science</i> , <b>2017</b> , 88, 330-338	4.3	18
68	Combined skin and muscle vaccination differentially impact the quality of effector T cell functions: the CUTHIVAC-001 randomized trial. <i>Scientific Reports</i> , <b>2017</b> , 7, 13011	4.9	17
67	Innate gene signature distinguishes humoral versus cytotoxic responses to influenza vaccination. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1960-1971	15.9	17
66	Assessment of skin barrier function and biochemical changes of ex vivo human skin in response to physical and chemical barrier disruption. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2017</b> , 116, 138-148	5.7	15
65	Cicatricial alopecia. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2018</b> , 16, 435-461	1.2	15
64	Selective hair therapy: bringing science to the fiction. <i>Experimental Dermatology</i> , <b>2014</b> , 23, 83-6	4	15
63	Core-multishell nanocarriers enhance drug penetration and reach keratinocytes and antigen-presenting cells in intact human skin. <i>Journal of Controlled Release</i> , <b>2019</b> , 299, 138-148	11.7	13
62	Studies for improved understanding of lipid distributions in human skin by combining stimulated and spontaneous Raman microscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2017</b> , 116, 76-84	5.7	13
61	The effectiveness of using a bath oil to reduce signs of dry skin: A randomized controlled pragmatic study. <i>International Journal of Nursing Studies</i> , <b>2017</b> , 65, 17-24	5.8	13

60	Influence of the skin barrier on the penetration of topically-applied dexamethasone probed by soft X-ray spectromicroscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2017</b> , 118, 30-37	5.7	12
59	Evaluation of Drug Delivery and Efficacy of Ciprofloxacin-Loaded Povidone Foils and Nanofiber Mats in a Wound-Infection Model Based on Ex Vivo Human Skin. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	12
58	Investigation of transfollicular caffeine penetration using microdialysis on ex vivo porcine ear skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2020</b> , 157, 1-8	5.7	11
57	Comparison of different methods to study effects of silver nanoparticles on the pro- and antioxidant status of human keratinocytes and fibroblasts. <i>Methods</i> , <b>2016</b> , 109, 55-63	4.6	11
56	Physiological and Molecular Effects of in vivo and ex vivo Mild Skin Barrier Disruption. <i>Skin Pharmacology and Physiology</i> , <b>2018</b> , 31, 115-124	3	9
55	Generation of full-thickness skin equivalents using hair follicle-derived primary human keratinocytes and fibroblasts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, e2134-e2146	4.4	9
54	Identification of polystyrene nanoparticle penetration across intact skin barrier as rare event at sites of focal particle aggregations. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700169	3.1	9
53	Dermal Delivery of the High-Molecular-Weight Drug Tacrolimus by Means of Polyglycerol-Based Nanogels. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	9
52	Sensitivity to change of the Dermatology Life Quality Index in adult females with facial acne vulgaris: a validation study. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2017</b> , 31, 169-174	4.6	9
51	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> , <b>2015</b> , 8, 539-48	2.9	9
50	Infundibular protein and RNA microarray analyses from affected and clinically non-affected scalp in male androgenetic alopecia patients. <i>Experimental Dermatology</i> , <b>2017</b> , 26, 518-521	4	8
49	The Potential Relevance of the Microbiome to Hair Physiology and Regeneration: The Emerging Role of Metagenomics. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	8
48	Translational Positioning of Janus Kinase (JAK) Inhibitors in Alopecia Areata. <i>EBioMedicine</i> , <b>2015</b> , 2, 282-8.8		7
47	Mini-zone cyanoacrylate skin surface stripping: a new method for non-invasive sampling of scalp material. <i>Experimental Dermatology</i> , <b>2016</b> , 25, 555-6	4	7
46	The Alopecia Areata Consensus of Experts (ACE) study part II: Results of an international expert opinion on diagnosis and laboratory evaluation for alopecia areata. <i>Journal of the American Academy of Dermatology</i> , <b>2021</b> , 84, 1594-1601	4.5	7
45	Modeling of Drug Diffusion Based on Concentration Profiles in Healthy and Damaged Human Skin. <i>Biophysical Journal</i> , <b>2019</b> , 117, 998-1008	2.9	6
44	Soft X-ray microscopy for probing of topical tacrolimus delivery via micelles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 139, 68-75	5.7	6
43	Mechanisms of innate events during skin reaction following intradermal injection of seasonal influenza vaccine. <i>Journal of Proteomics</i> , <b>2020</b> , 216, 103670	3.9	6

42	Current standards in the diagnostics and therapy of hair diseases - hair consultation. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2011</b> , 9, 394-410; quiz 411-2	1.2	6
41	A Global eDelphi Exercise to Identify Core Domains and Domain Items for the Development of a Global Registry of Alopecia Areata Disease Severity and Treatment Safety (GRASS). <i>JAMA Dermatology</i> , <b>2021</b> , 157, 1-11	5.1	6
40	Polyglycerol-Based Thermoresponsive Nanocapsules Induce Skin Hydration and Serve as a Skin Penetration Enhancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 30136-30144	9.5	5
39	Aktuelle Standards zur Diagnostik und Therapie von Haarerkrankungen  Haarsprechstunde. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2011</b> , 9, 394-413	1.2	5
38	Redox-Responsive Nanocarrier for Controlled Release of Drugs in Inflammatory Skin Diseases. <i>Pharmaceutics</i> , <b>2020</b> , 13,	6.4	5
37	Sulfoxide-functionalized nanogels inspired by the skin penetration properties of DMSO. <i>Biomaterials Science</i> , <b>2021</b> , 9, 712-725	7.4	5
36	Protease-mediated Inflammation: An In Vitro Human Keratinocyte-based Screening Tool for Anti-inflammatory Drug Nanocarrier Systems. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2018</b> , 232, 919-933	3.1	4
35	Topically applied virus-like particles containing HIV-1 Pr55 protein reach skin antigen-presenting cells after mild skin barrier disruption. <i>Journal of Controlled Release</i> , <b>2017</b> , 268, 296-304	11.7	4
34	Serine Protease-Mediated Cutaneous Inflammation: Characterization of an Ex Vivo Skin Model for the Assessment of Dexamethasone-Loaded Core Multishell-Nanocarriers. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	4
33	Immune Profiles Identification by Vaccinomics After MVA Immunization in Randomized Clinical Study. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 586124	8.4	4
32	Optimizing skin pharmacotherapy for older patients: the future is at hand but are we ready for it?. <i>Drug Discovery Today</i> , <b>2020</b> , 25, 851-861	8.8	3
31	Hair Follicle Targeting with Nanoparticles <b>2013</b> , 95-107		3
30	Wide-field Two Photon Microscopy. <i>Optik &amp; Photonik</i> , <b>2015</b> , 10, 39-42		3
29	Penetration of spherical and rod-like gold nanoparticles into intact and barrier-disrupted human skin <b>2015</b> ,		3
28	Comparing the effects of three different multilayer dressings for pressure ulcer prevention on sacral skin after prolonged loading: An exploratory crossover trial. <i>Wound Repair and Regeneration</i> , <b>2021</b> , 29, 270-279	3.6	3
27	Skin health and integrity <b>2020</b> , 183-196		3
26	Dysbiosis and Enhanced Beta-Defensin Production in Hair Follicles of Patients with Lichen Planopilaris and Frontal Fibrosing Alopecia. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	3
25	Oxidation-Sensitive Core-Multishell Nanocarriers for the Controlled Delivery of Hydrophobic Drugs. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2485-2495	5.5	3

24	The Safety and Immunogenicity of GTUMultiHIV DNA Vaccine Delivered by Transcutaneous and Intramuscular Injection With or Without Electroporation in HIV-1 Positive Subjects on Suppressive ART. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2911	8.4	3
23	Identification of anti-microbial peptides and traces of microbial DNA in infrainfundibular compartments of human scalp terminal hair follicles. <i>European Journal of Dermatology</i> , <b>2021</b> , 31, 22-31	0.8	3
22	Differential expression of mTOR signaling pathway proteins in lichen planopilaris and frontal fibrosing alopecia. <i>Acta Histochemica</i> , <b>2018</b> , 120, 837-845	2	3
21	Screening of Surfactants for Improved Delivery of Antimicrobials and Poly-Lactic--Glycolic Acid Particles in Wound Tissue. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
20	A niche in the spotlight: Could external factors critically disturb hair follicle homeostasis and contribute to inflammatory hair follicle diseases?. <i>Experimental Dermatology</i> , <b>2020</b> , 29, 1080	4	2
19	Improved Skin Permeability after Topical Treatment with Serine Protease: Probing the Penetration of Rapamycin by Scanning Transmission X-ray Microscopy. <i>ACS Omega</i> , <b>2021</b> , 6, 12213-12222	3.9	2
18	A Melanocortin-4 Receptor Agonist Induces Skin and Hair Pigmentation in Patients with Monogenic Mutations in the Leptin-Melanocortin Pathway. <i>Skin Pharmacology and Physiology</i> , <b>2021</b> , 34, 307-316	3	2
17	Amphiphilic Co-polypeptides Self-Assembled into Spherical Nanoparticles for Dermal Drug Delivery. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6709-6721	5.6	2
16	Molecular characterization of xerosis cutis: A systematic review.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0261253	3.7	2
15	Hair-shaft abnormality in a 7-year-old girl. Trichorrhexis nodosa dueto biotinidase deficiency. <i>JAMA Dermatology</i> , <b>2013</b> , 149, 357-63	5.1	2
14	Cutaneous Cephalic Neurocristic Hamartoma on the Head With Melanocytic, Cartilage, Blood Vessel, Neural, and Bony Tissue. <i>American Journal of Dermatopathology</i> , <b>2021</b> , 43, 284-286	0.9	1
13	Effects of loading and prophylactic dressings on the sacral and heel skin: An exploratory cross-over trial. <i>International Wound Journal</i> , <b>2021</b> , 18, 909-922	2.6	1
12	Letter to the Editor. <i>Clinical Biomechanics</i> , <b>2016</b> , 33, 84	2.2	1
11	Guidelines for clinical trials of frontal fibrosing alopecia: consensus recommendations from the International FFA Cooperative Group (IFFACG). <i>British Journal of Dermatology</i> , <b>2021</b> ,	4	1
10	Symmetrical inflammatory erosive plaques and blisters in an infant. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2017</b> , 15, 956-959	1.2	0
9	Topical Delivery of Rapamycin by Means of Microenvironment-Sensitive Core-Multi-Shell Nanocarriers: Assessment of Anti-Inflammatory Activity in an ex vivo Skin/T Cell Co-Culture Model. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 7137-7151	7.3	0
8	Current controversies in trichology: a European expert consensus statement. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2021</b> , 35 Suppl 2, 3-11	4.6	0
7	Hautzeichen bei rheumatologischen Erkrankungen im Kindes- und Jugendalter. <i>Arthritis + Rheuma</i> , <b>2019</b> , 39, 253-260	0.2	

6	A Contemporary View on Felix Pinkus' Concept of the Vitreous Membrane. <i>Skin Appendage Disorders</i> , <b>2020</b> , 6, 25-31	1.4
5	Nanoparticle-Based Epidermal and Dermal Vaccination <b>2013</b> , 165-178	
4	Expression of MC-R, POMC and POMC peptides and evidence for a immunoregulatory role of $\alpha$ -MSH in human dermal papilla cells. <i>Experimental Dermatology</i> , <b>2008</b> , 13, 581-582	4
3	Hormone-related hair disorders [From clinical needs to new therapeutic perspectives. <i>Experimental Dermatology</i> , <b>2008</b> , 15, 643-648	4
2	Expression of melanocortin receptors on cutaneous fibroblastic cells [collagen and beyond. <i>Experimental Dermatology</i> , <b>2005</b> , 14, 157-157	4
1	Alopecia areata - Current understanding and management.. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2022</b> , 20, 59-90	1.2