

Catharina Margrethe Lerche

List of Publications by Year in descending order

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59
papers

983
citations

471371

17
h-index

477173

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59
all docs

59
docs citations

59
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	miR-122 Regulates p53/Akt Signalling and the Chemotherapy-Induced Apoptosis in Cutaneous T-Cell Lymphoma. <i>PLoS ONE</i> , 2012, 7, e29541.	1.1	99
2	Alternatives to Outdoor Daylight Illumination for Photodynamic Therapy—Use of Greenhouses and Artificial Light Sources. <i>International Journal of Molecular Sciences</i> , 2016, 17, 309.	1.8	75
3	Comparison of Physical Pretreatment Regimens to Enhance Protoporphyrin IX Uptake in Photodynamic Therapy. <i>JAMA Dermatology</i> , 2017, 153, 270.	2.0	74
4	Fractional laser-assisted drug delivery: Laser channel depth influences biodistribution and skin deposition of methotrexate. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 519-529.	1.1	56
5	miR-125b induces cellular senescence in malignant melanoma. <i>BMC Dermatology</i> , 2014, 14, 8.	2.1	45
6	Topically applied methotrexate is rapidly delivered into skin by fractional laser ablation. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1059-1069.	2.4	45
7	Tattoo Pigments Are Observed in the Kupffer Cells of the Liver Indicating Blood-Borne Distribution of Tattoo Ink. <i>Dermatology</i> , 2017, 233, 86-93.	0.9	44
8	UVR: sun, lamps, pigmentation and vitamin D. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 291-301.	1.6	32
9	Black tattoos protect against UVB-induced skin cancer in mice. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2015, 31, 261-268.	0.7	30
10	Fractional laser-assisted topical delivery of bleomycin quantified by LC-MS and visualized by MALDI mass spectrometry imaging. <i>Drug Delivery</i> , 2019, 26, 244-251.	2.5	25
11	Topical delivery of vismodegib using ablative fractional laser and microemulsion formulation in vitro. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 79-87.	1.1	25
12	Topical pimecrolimus and tacrolimus do not accelerate photocarcinogenesis in hairless mice after UVA or simulated solar radiation. <i>Experimental Dermatology</i> , 2009, 18, 246-251.	1.4	24
13	Photodynamic therapy with topical methylaminolevulinate for prophylaxis and treatment of UVB-induced SCC in hairless mice. <i>Experimental Dermatology</i> , 2010, 19, e166-72.	1.4	24
14	Carcinogenesis related to intense pulsed light and UV exposure: an experimental animal study. <i>Lasers in Medical Science</i> , 2006, 21, 198-201.	1.0	23
15	Laser-assisted delivery enhances topical uptake of the anticancer agent cisplatin. <i>Drug Delivery</i> , 2018, 25, 1877-1885.	2.5	22
16	Topical tacrolimus in combination with simulated solar radiation does not enhance photocarcinogenesis in hairless mice. <i>Experimental Dermatology</i> , 2007, 17, 070920220651002-???	1.4	19
17	Photocarcinogenesis of topical tazarotene and isotretinoin alone and in combination with valproic acid in hairless mice. <i>Experimental Dermatology</i> , 2008, 17, 972-974.	1.4	19
18	Red tattoos, ultraviolet radiation and skin cancer in mice. <i>Experimental Dermatology</i> , 2017, 26, 1091-1096.	1.4	18

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19	Topical hydrocortisone, clobetasol propionate, and calcipotriol do not increase photocarcinogenesis induced by simulated solar irradiation in hairless mice. <i>Experimental Dermatology</i> , 2010, 19, 973-979.	1.4	17
20	Correlation between treatment time, photobleaching, inflammation and pain after photodynamic therapy with methyl aminolevulinate on tape-stripped skin in healthy volunteers. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 875-882.	1.6	17
21	Enhanced and Sustained Cutaneous Delivery of Vismodegib by Ablative Fractional Laser and Microemulsion Formulation. <i>Journal of Investigative Dermatology</i> , 2020, 140, 2051-2059.	0.3	15
22	Porphyrin biodistribution in UV-exposed murine skin after methyl- and hexyl-aminolevulinate incubation. <i>Experimental Dermatology</i> , 2012, 21, 260-264.	1.4	13
23	The relation between methyl aminolevulinate concentration and inflammation after photodynamic therapy in healthy volunteers. <i>Photochemical and Photobiological Sciences</i> , 2012, 12, 117-123.	1.6	13
24	Photocarcinogenesis and toxicity of benzoyl peroxide in hairless mice after simulated solar radiation. <i>Experimental Dermatology</i> , 2010, 19, 381-386.	1.4	12
25	Photocarcinogenicity of selected topically applied dermatological drugs: calcineurin inhibitors, corticosteroids, and vitamin D analogs. <i>Dermatology Reports</i> , 2010, 2, 13.	0.4	11
26	A novel LC-MS/MS method to quantify eumelanin and pheomelanin and their relation to UVR sensitivity – A study on human skin biopsies. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 809-816.	1.5	10
27	A Comparison of Human and Porcine Skin in Laser-Assisted Drug Delivery of Chemotherapeutics. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 162-170.	1.1	10
28	Efficacy and Safety of Laser-Assisted Combination Chemotherapy: An Explorative Imaging-Guided Treatment With 5-Fluorouracil and Cisplatin for Basal Cell Carcinoma. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 119-128.	1.1	10
29	Keratinocyte Carcinoma and Photoprevention: The Protective Actions of Repurposed Pharmaceuticals, Phytochemicals and Vitamins. <i>Cancers</i> , 2021, 13, 3684.	1.7	10
30	Bleomycin administered by laser-assisted drug delivery or intradermal needle-injection results in distinct biodistribution patterns in skin: <i>in vivo</i> investigations with mass spectrometry imaging. <i>Drug Delivery</i> , 2021, 28, 1141-1149.	2.5	9
31	Tumor Clearance and Immune Cell Recruitment in UV-induced Murine Squamous Cell Carcinoma Exposed to Ablative Fractional Laser and Imiquimod Treatment. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 1227-1237.	1.1	9
32	Light-provoked skin symptoms on the hands of erythropoietic protoporphyria patients related to personal dosimeter measurements, skin symptoms, light protection and priming. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 213, 112054.	1.7	8
33	Ammonium chloride and L-tyrosine enhance melanogenesis <i>in vitro</i> but not <i>in vivo</i> even in combination with ultraviolet radiation. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2007, 23, 197-202.	0.7	7
34	Validation of self-reported erythema: comparison of self-reports, researcher assessment and objective measurements in sun worshippers and skiers. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2013, 27, 214-219.	1.3	7
35	Artificial daylight photodynamic therapy with non-inflammatory doses of hexyl aminolevulinate only marginally delays SCC development in UV-exposed hairless mice. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 2130.	1.6	7
36	Skin reactions after photodynamic therapy are unaffected by 839-nm photobiomodulation therapy: A randomized, double-blind, placebo-controlled, clinical trial. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 810-818.	1.1	7

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37	Impact of UVR Exposure Pattern on Squamous Cell Carcinoma-A Doseâ€‘Delivery and Doseâ€‘Response Study in Pigmented Hairless Mice. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2738.	1.8	7
38	A Skin Cancer Prophylaxis Study in Hairless Mice Using Methylene Blue, Riboflavin, and Methyl Aminolevulinate as Photosensitizing Agents in Photodynamic Therapy. <i>Pharmaceuticals</i> , 2021, 14, 433.	1.7	7
39	Calcipotriol pretreatment enhances methyl aminolevulinateâ€‘induced protoporphyrin IX: an <i>in vivo</i> study in hairless mice. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2015, 31, 57-60.	0.7	7
40	High death rate in mice treated topically with diclofenac. <i>Experimental Dermatology</i> , 2011, 20, 336-338.	1.4	6
41	Skin tumor development after UV irradiation and photodynamic therapy is unaffected by short-term pretreatment with 5-fluorouracil, imiquimod and calcipotriol. An experimental hairless mouse study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 154, 34-39.	1.7	6
42	Search for Internal Cancers in Mice Tattooed with Inks of High Contents of Potential Carcinogens: A One-Year Autopsy Study of Red and Black Tattoo Inks Banned in the Market. <i>Dermatology</i> , 2017, 233, 94-99.	0.9	6
43	Repeated treatments with ingenol mebutate for prophylaxis of UV-induced squamous cell carcinoma in hairless mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 144-149.	1.7	5
44	Trends in erythrocyte protoporphyrin IX concentration by age, sex and season among patients with erythropoietic protoporphyriaâ€‘20 years of follow-up. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 101928.	1.3	5
45	Cimetidine for erythropoietic protoporphyria. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102793.	1.3	5
46	X-rays and photocarcinogenesis in hairless mice. <i>Archives of Dermatological Research</i> , 2013, 305, 529-533.	1.1	4
47	Is the thin layer of methyl aminolevulinate used during photodynamic therapy sufficient?. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2016, 32, 88-92.	0.7	4
48	The effect of vitamin D recommendations on serum 25-hydroxyvitamin D level in erythropoietic protoporphyria patients. <i>Nutrition</i> , 2021, 93, 111477.	1.1	4
49	Topical Nutlin-3 Potentiates the UVB-induced p53 Response and Reduces DNA Photodamage and Apoptosis in Mouse Epidermal Keratinocytes <i>In Vivo</i> . <i>Journal of Clinical & Experimental Dermatology Research</i> , 2010, 01, .	0.1	4
50	Anti-PD-1 Therapy with Adjuvant Ablative Fractional Laser Improves Anti-Tumor Response in Basal Cell Carcinomas. <i>Cancers</i> , 2021, 13, 6326.	1.7	4
51	Reduced ultraviolet irradiation delays subsequent squamous cell carcinomas in hairless mice. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2009, 25, 305-309.	0.7	3
52	Neonatal mice do not have increased sensitivity to induction of squamous cell carcinomas. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2012, 28, 26-33.	0.7	3
53	Acute Ultraviolet Radiation Perturbs Epithelialization but not the Biomechanical Strength of Full-thickness Cutaneous Wounds. <i>Photochemistry and Photobiology</i> , 2016, 92, 187-192.	1.3	3
54	Topical nutlinâ€‘3a does not decrease photocarcinogenesis induced by simulated solar radiation in hairless mice. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2012, 28, 207-212.	0.7	2

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55	In vivo dermal delivery of bleomycin with electronic pneumatic injection: drug visualization and quantification with mass spectrometry. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 213-219.	2.4	2
56	A one-time pneumatic jet-injection of 5-fluorouracil and triamcinolone acetonide for treatment of hypertrophic scars—A blinded randomized controlled trial. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 663-671.	1.1	2
57	Topical Brimonidine Delays Ultraviolet Radiation-Induced Squamous Cell Carcinoma in Hairless Mice. <i>Photochemistry and Photobiology</i> , 2022, 98, 1390-1394.	1.3	2
58	Few X-ray and PUVA treatments accelerate photocarcinogenesis in hairless mice. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1299-1307.	1.6	1
59	Distribution of protoporphyrin IX in erythrocytes in a case of acquired erythropoietic protoporphyria. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102629.	1.3	0