

Amy M Holmes

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.

23 papers	457 citations	13 h-index	21 g-index
26 ext. papers	590 ext. citations	7 avg, IF	4.13 L-index

#	Paper	IF	Citations
23	Vaginal epithelial drug delivery.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 114293	18.5	4
22	Multi-Modal Imaging to Assess the Follicular Delivery of Zinc Pyrithione. <i>Pharmaceutics</i> , 2022 , 14, 1076	6.4	2
21	Human Epidermal Zinc Concentrations after Topical Application of ZnO Nanoparticles in Sunscreens. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
20	Targeted Delivery of Zinc Pyrithione to Skin Epithelia. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
19	Evolution of biofilm-forming pathogenic bacteria in the presence of nanoparticles and antibiotic: adaptation phenomena and cross-resistance. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 291	9.4	8
18	Topical drug delivery: History, percutaneous absorption, and product development. <i>Advanced Drug Delivery Reviews</i> , 2021 , 177, 113929	18.5	15
17	Noninvasive in vivo human multiphoton microscopy: a key method in proving nanoparticulate zinc oxide sunscreen safety. <i>Journal of Biomedical Optics</i> , 2020 , 25, 1-19	3.5	8
16	Penetration of Zinc into Human Skin after Topical Application of Nano Zinc Oxide Used in Commercial Sunscreen Formulations.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 3640-3647	4.1	11
15	Disposition and measured toxicity of zinc oxide nanoparticles and zinc ions against keratinocytes in cell culture and viable human epidermis. <i>Nanotoxicology</i> , 2020 , 14, 263-274	5.3	20
14	Multiparameter toxicity screening on a chip: Effects of UV radiation and titanium dioxide nanoparticles on HaCaT cells. <i>Biomicrofluidics</i> , 2019 , 13, 044112	3.2	3
13	Optical Characterization of Zinc Pyrithione. <i>Photochemistry and Photobiology</i> , 2019 , 95, 1142-1150	3.6	5
12	Insight into imiquimod skin permeation and increased delivery using microneedle pre-treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 139, 33-43	5.7	24
11	Support for the Safe Use of Zinc Oxide Nanoparticle Sunscreens: Lack of Skin Penetration or Cellular Toxicity after Repeated Application in Volunteers. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 308-315	4.3	75
10	Antimicrobial efficacy and mechanism of action of poly(amidoamine) (PAMAM) dendrimers against opportunistic pathogens. <i>International Journal of Antimicrobial Agents</i> , 2019 , 53, 500-507	14.3	22
9	Stimulus-Responsive Antibiotic Releasing Systems for the Treatment of Wound Infections.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 704-716	4.1	14
8	Imaging the penetration and distribution of zinc and zinc species after topical application of zinc pyrithione to human skin. <i>Toxicology and Applied Pharmacology</i> , 2018 , 343, 40-47	4.6	15
7	18 Revealing interaction of dyes and nanomaterials by multiphoton imaging 2018 , 345-368		1

6	Demonstration of the lack of cytotoxicity of unmodified and folic acid modified graphene oxide quantum dots, and their application to fluorescence lifetime imaging of HaCaT cells. <i>Mikrochimica Acta</i> , 2018 , 185, 128	5.8	30
5	Dendrimer pre-treatment enhances the skin permeation of chlorhexidine digluconate: Characterisation by in vitro percutaneous absorption studies and Time-of-Flight Secondary Ion Mass Spectrometry. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 104, 90-101	5.1	14
4	Varying the morphology of silver nanoparticles results in differential toxicity against micro-organisms, HaCaT keratinocytes and affects skin deposition. <i>Nanotoxicology</i> , 2016 , 10, 1503-1514	5.3	38
3	Relative Penetration of Zinc Oxide and Zinc Ions into Human Skin after Application of Different Zinc Oxide Formulations. <i>ACS Nano</i> , 2016 , 10, 1810-9	16.7	67
2	Effect of flexing and massage on in vivo human skin penetration and toxicity of zinc oxide nanoparticles. <i>Nanomedicine</i> , 2016 , 11, 1193-205	5.6	39
1	Human skin penetration and local effects of topical nano zinc oxide after occlusion and barrier impairment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 104, 140-7	5.7	38