Amy M Holmes

List of Publications by Citations

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	Support for the Safe Use of Zinc Oxide Nanoparticle Sunscreens: Lack of Skin Penetration or Cellular Toxicity after Repeated Application in Volunteers. *Journal of Investigative Dermatology*, **2019**, 139, 308-315	4.3	75
22	Relative Penetration of Zinc Oxide and Zinc Ions into Human Skin after Application of Different Zinc Oxide Formulations. *ACS Nano*, **2016**, 10, 1810-9	16.7	67
21	Effect of flexing and massage on in vivo human skin penetration and toxicity of zinc oxide nanoparticles. *Nanomedicine*, **2016**, 11, 1193-205	5.6	39
20	Varying the morphology of silver nanoparticles results in differential toxicity against micro-organisms, HaCaT keratinocytes and affects skin deposition. *Nanotoxicology*, **2016**, 10, 1503-1514	5.3	38
19	Human skin penetration and local effects of topical nano zinc oxide after occlusion and barrier impairment. *European Journal of Pharmaceutics and Biopharmaceutics*, **2016**, 104, 140-7	5.7	38
18	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. *Mikrochimica Acta*, **2018**, 185, 128	5.8	30
17	Insight into imiquimod skin permeation and increased delivery using microneedle pre-treatment. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 139, 33-43	5.7	24
16	Antimicrobial efficacy and mechanism of action of poly(amidoamine) (PAMAM) dendrimers against opportunistic pathogens. *International Journal of Antimicrobial Agents*, **2019**, 53, 500-507	14.3	22
15	Disposition and measured toxicity of zinc oxide nanoparticles and zinc ions against keratinocytes in cell culture and viable human epidermis. *Nanotoxicology*, **2020**, 14, 263-274	5.3	20
14	Imaging the penetration and distribution of zinc and zinc species after topical application of zinc pyrithione to human skin. *Toxicology and Applied Pharmacology*, **2018**, 343, 40-47	4.6	15
13	Topical drug delivery: History, percutaneous absorption, and product development. *Advanced Drug Delivery Reviews*, **2021**, 177, 113929	18.5	15
12	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. *European Journal of Pharmaceutical Sciences*, **2017**, 104, 90-101	5.1	14
11	Stimulus-Responsive Antibiotic Releasing Systems for the Treatment of Wound Infections.. *ACS Applied Bio Materials*, **2019**, 2, 704-716	4.1	14
10	Penetration of Zinc into Human Skin after Topical Application of Nano Zinc Oxide Used in Commercial Sunscreen Formulations.. *ACS Applied Bio Materials*, **2020**, 3, 3640-3647	4.1	11
9	Noninvasive in vivo human multiphoton microscopy: a key method in proving nanoparticulate zinc oxide sunscreen safety. *Journal of Biomedical Optics*, **2020**, 25, 1-19	3.5	8
8	Evolution of biofilm-forming pathogenic bacteria in the presence of nanoparticles and antibiotic: adaptation phenomena and cross-resistance. *Journal of Nanobiotechnology*, **2021**, 19, 291	9.4	8
7	Optical Characterization of Zinc Pyrithione. *Photochemistry and Photobiology*, **2019**, 95, 1142-1150	3.6	5

6	Vaginal epithelial drug delivery.. *Advanced Drug Delivery Reviews*, **2022**, 114293	18.5	4
5	Multiparameter toxicity screening on a chip: Effects of UV radiation and titanium dioxide nanoparticles on HaCaT cells. *Biomicrofluidics*, **2019**, 13, 044112	3.2	3
4	Targeted Delivery of Zinc Pyrithione to Skin Epithelia. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
3	Multi-Modal Imaging to Assess the Follicular Delivery of Zinc Pyrithione. *Pharmaceutics*, **2022**, 14, 1076	6.4	2
2	18 Revealing interaction of dyes and nanomaterials by multiphoton imaging **2018**, 345-368		1
1	Human Epidermal Zinc Concentrations after Topical Application of ZnO Nanoparticles in Sunscreens. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1