

Claire A Higgins

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.

41
papers

1,676
citations

18
h-index

40
g-index

44
ext. papers

2,122
ext. citations

6
avg, IF

4.7
L-index

#	Paper	IF	Citations
41	The Historical Studies Underpinning the Concept of Hair Follicle Neogenesis. <i>Pancreatic Islet Biology</i> , 2022 , 3-24	0.4	
40	Scaffold-based developmental tissue engineering strategies for ectodermal organ regeneration. <i>Materials Today Bio</i> , 2021 , 10, 100107	9.9	6
39	Can plantar fibroblast implantation protect amputees from skin injury? A recipe for skin augmentation. <i>Experimental Dermatology</i> , 2021 , 30, 1829-1833	4	
38	Mechanotransduction in osteogenesis. <i>Bone and Joint Research</i> , 2020 , 9, 1-14	4.2	23
37	Isolating Dermal Papilla Cells from Human Hair Follicles Using Microdissection and Enzyme Digestion. <i>Methods in Molecular Biology</i> , 2020 , 2154, 91-103	1.4	1
36	Harnessing the Secretome of Hair Follicle Fibroblasts to Accelerate ExVivo Healing of Human Skin Wounds. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 1075-1084.e11	4.3	2
35	Immune cell regulation of the hair cycle. <i>Experimental Dermatology</i> , 2020 , 29, 322-333	4	15
34	Lateral pressure equalisation as a principle for designing support surfaces to prevent deep tissue pressure ulcers 2020 , 15, e0227064		
33	Lateral pressure equalisation as a principle for designing support surfaces to prevent deep tissue pressure ulcers 2020 , 15, e0227064		
32	Lateral pressure equalisation as a principle for designing support surfaces to prevent deep tissue pressure ulcers 2020 , 15, e0227064		
31	Lateral pressure equalisation as a principle for designing support surfaces to prevent deep tissue pressure ulcers 2020 , 15, e0227064		
30	Hydrogel-Coated Microneedle Arrays for Minimally Invasive Sampling and Sensing of Specific Circulating Nucleic Acids from Skin Interstitial Fluid. <i>ACS Nano</i> , 2019 , 13, 9620-9628	16.7	77
29	Skin biology 2019 , 3-25		3
28	Morphology and composition play distinct and complementary roles in the tolerance of plantar skin to mechanical load. <i>Science Advances</i> , 2019 , 5, eaay0244	14.3	14
27	Lateral pressure equalisation as a principle for designing support surfaces to prevent deep tissue pressure ulcers. <i>PLoS ONE</i> , 2019 , 15, e0227064	3.7	6
26	Subpopulations of dermal skin fibroblasts secrete distinct extracellular matrix: implications for using skin substitutes in the clinic. <i>British Journal of Dermatology</i> , 2018 , 179, 381-393	4	18
25	The Hair Follicle: An Underutilized Source of Cells and Materials for Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1193-1207	5.5	13

24	Hair Follicle Dermal Cells Support Expansion of Murine and Human Embryonic and Induced Pluripotent Stem Cells and Promote Haematopoiesis in Mouse Cultures. <i>Stem Cells International</i> , 2018 , 2018, 8631432	5	3
23	Demethylation of ITGAV accelerates osteogenic differentiation in a blast-induced heterotopic ossification in vitro cell culture model. <i>Bone</i> , 2018 , 117, 149-160	4.7	7
22	A bald statement - Current approaches to manipulate miniaturisation focus only on promoting hair growth. <i>Experimental Dermatology</i> , 2018 , 27, 959-965	4	19
21	Methods for the isolation and 3D culture of dermal papilla cells from human hair follicles. <i>Experimental Dermatology</i> , 2017 , 26, 491-496	4	31
20	Evaluating Primary Blast Effects In Vitro. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	6
19	Multifaceted role of hair follicle dermal cells in bioengineered skins. <i>British Journal of Dermatology</i> , 2017 , 176, 1259-1269	4	26
18	Changing faces: can a new identity stop balding?. <i>Experimental Dermatology</i> , 2016 , 25, 765-6	4	
17	Pharmacologic inhibition of JAK-STAT signaling promotes hair growth. <i>Science Advances</i> , 2015 , 1, e1500973	1.3	116
16	Melanin Transfer in Human 3D Skin Equivalents Generated Exclusively from Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2015 , 10, e0136713	3.7	63
15	Alopecia areata is driven by cytotoxic T lymphocytes and is reversed by JAK inhibition. <i>Nature Medicine</i> , 2014 , 20, 1043-9	50.5	486
14	Challenges and promises in modeling dermatologic disorders with bioengineered skin. <i>Experimental Biology and Medicine</i> , 2014 , 239, 1215-24	3.7	15
13	FGF5 is a crucial regulator of hair length in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10648-53	11.5	95
12	Identification of distinct mutations in AAGAB in families with type 1 punctate palmoplantar keratoderma. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 1749-1752	4.3	7
11	Interrogating the integument: the role of the epidermis in hair induction. <i>Experimental Dermatology</i> , 2014 , 23, 714-5	4	
10	Regenerative medicine and hair loss: how hair follicle culture has advanced our understanding of treatment options for androgenetic alopecia. <i>Regenerative Medicine</i> , 2014 , 9, 101-11	2.5	19
9	Microenvironmental reprogramming by three-dimensional culture enables dermal papilla cells to induce de novo human hair-follicle growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19679-88	11.5	213
8	Building a microphysiological skin model from induced pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2013 , 4 Suppl 1, S2	8.3	24
7	Generation of 3D skin equivalents fully reconstituted from human induced pluripotent stem cells (iPSCs). <i>PLoS ONE</i> , 2013 , 8, e77673	3.7	137

6	Reprogramming of human hair follicle dermal papilla cells into induced pluripotent stem cells. <i>Journal of Investigative Dermatology</i> , 2012 , 132, 1725-7	4-3	24
5	Generation and characterization of multipotent stem cells from established dermal cultures. <i>PLoS ONE</i> , 2012 , 7, e50742	3-7	36
4	Modulation in proteolytic activity is identified as a hallmark of exogen by transcriptional profiling of hair follicles. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 2349-57	4-3	11
3	Modelling the hair follicle dermal papilla using spheroid cell cultures. <i>Experimental Dermatology</i> , 2010 , 19, 546-8	4	80
2	From telogen to exogen: mechanisms underlying formation and subsequent loss of the hair club fiber. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 2100-8	4-3	68
1	Exogen involves gradual release of the hair club fibre in the vibrissa follicle model. <i>Experimental Dermatology</i> , 2009 , 18, 793-5	4	9