

Mark A Birch-Machin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3673232/publications.pdf>

Version: 2024-02-01

38
papers

1,695
citations

430874

18
h-index

454955

30
g-index

40
all docs

40
docs citations

40
times ranked

2868
citing authors

#	ARTICLE	IF	CITATIONS
1	Chapter 5 Assaying mitochondrial respiratory complex activity in mitochondria isolated from human cells and tissues. <i>Methods in Cell Biology</i> , 2001, 65, 97-117.	1.1	340
2	Mitochondria-targeted antioxidants. <i>FASEB Journal</i> , 2015, 29, 4766-4771.	0.5	309
3	Towards a 'free radical theory of graying': melanocyte apoptosis in the aging human hair follicle is an indicator of oxidative stress induced tissue damage. <i>FASEB Journal</i> , 2006, 20, 1567-1569.	0.5	226
4	How mitochondria record the effects of UV exposure and oxidative stress using human skin as a model tissue. <i>Mutagenesis</i> , 2010, 25, 101-107.	2.6	130
5	Investigating the role of melanin in UVA/UVB- and hydrogen peroxide-induced cellular and mitochondrial ROS production and mitochondrial DNA damage in human melanoma cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 626-634.	2.9	121
6	A role for human mitochondrial complex II in the production of reactive oxygen species in human skin. <i>Redox Biology</i> , 2014, 2, 1016-1022.	9.0	52
7	Bad air gets under your skin. <i>Experimental Dermatology</i> , 2017, 26, 384-387.	2.9	44
8	What is the role of mitochondrial dysfunction in skin photoaging?. <i>Experimental Dermatology</i> , 2018, 27, 124-128.	2.9	44
9	Mitochondria's Role in Skin Ageing. <i>Biology</i> , 2019, 8, 29.	2.8	43
10	Individual and combined effects of the infrared, visible, and ultraviolet light components of solar radiation on damage biomarkers in human skin cells. <i>FASEB Journal</i> , 2020, 34, 3874-3883.	0.5	43
11	Age-Dependent Decrease of Mitochondrial Complex II Activity in Human Skin Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2016, 136, 912-919.	0.7	42
12	Microneedle-based devices for point-of-care infectious disease diagnostics. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2344-2361.	12.0	35
13	Objective sleep assessment in >80,000 UK mid-life adults: Associations with sociodemographic characteristics, physical activity and caffeine. <i>PLoS ONE</i> , 2019, 14, e0226220.	2.5	33
14	Genetic Studies of the Human Melanocortin-1 Receptor. <i>Annals of the New York Academy of Sciences</i> , 1999, 885, 134-142.	3.8	28
15	Systematic and Iterative Development of a Smartphone App to Promote Sun-Protection Among Holidaymakers: Design of a Prototype and Results of Usability and Acceptability Testing. <i>JMIR Research Protocols</i> , 2017, 6, e112.	1.0	26
16	Sebum, inflammasomes and the skin: current concepts and future perspective. <i>Experimental Dermatology</i> , 2015, 24, 651-654.	2.9	22
17	Impact of hyperpigmentation on superoxide flux and melanoma cell metabolism at mitochondrial complex II. <i>FASEB Journal</i> , 2015, 29, 346-353.	0.5	20
18	Mitochondrial damage and ageing using skin as a model organ. <i>Maturitas</i> , 2016, 93, 34-40.	2.4	19

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19	Metabolic dysfunction in human skin: Restoration of mitochondrial integrity and metabolic output by nicotinamide (niacinamide) in primary dermal fibroblasts from older aged donors. <i>Aging Cell</i> , 2020, 19, e13248.	6.7	18
20	Skin manifestations of mitochondrial dysfunction: more important than previously thought. <i>Experimental Dermatology</i> , 2015, 24, 12-13.	2.9	17
21	Exploration of Sleep as a Specific Risk Factor for Poor Metabolic and Mental Health: A UK Biobank Study of 84,404 Participants. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1903-1912.	2.7	17
22	Aware, motivated and striving for a "safe tan": an exploratory mixed-method study of sun-protection during holidays. <i>Health Psychology and Behavioral Medicine</i> , 2017, 5, 276-298.	1.8	16
23	The Inhibition of Metabolic Inflammation by EPA Is Associated with Enhanced Mitochondrial Fusion and Insulin Signaling in Human Primary Myotubes. <i>Journal of Nutrition</i> , 2021, 151, 810-819.	2.9	11
24	A pilot study investigating reactive oxygen species production in capillary blood after a marathon and the influence of an antioxidant-rich beetroot juice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 303-306.	1.9	8
25	Targeting mitochondria in dermatological therapy: beyond oxidative damage and skin aging. <i>Expert Opinion on Therapeutic Targets</i> , 2022, 26, 233-259.	3.4	8
26	Optimised detection of mitochondrial DNA strand breaks. <i>Mitochondrion</i> , 2019, 46, 172-178.	3.4	7
27	Assessment of Mitochondrial Respiratory Complex Function in Vitro and in Vivo. , 0, , 383-395.		4
28	UVA-induced carbon-centred radicals in lightly pigmented cells detected using ESR spectroscopy. <i>Free Radical Biology and Medicine</i> , 2018, 126, 153-165.	2.9	4
29	Mitochondrial DNA as a Sensitive Biomarker of UV-Induced Cellular Damage in Human Skin. <i>Methods in Molecular Biology</i> , 2021, 2277, 345-356.	0.9	3
30	Adaptive responses to air pollution in human dermal fibroblasts and their potential roles in aging. <i>FASEB BioAdvances</i> , 2021, 3, 855-865.	2.4	3
31	Acceptability and Feasibility of a Trial Testing Allocation to Sunscreen and a Smartphone App for Sun Protection: Discontinued Randomized Controlled Trial. <i>JMIR Dermatology</i> , 2018, 1, e1.	0.7	2
32	3"Long term impact of poor sleep on future metabolic and mental health: a UK Biobank study of 84,404 participants. , 2021, , .		0
33	Title is missing!. , 2019, 14, e0226220.		0
34	Title is missing!. , 2019, 14, e0226220.		0
35	Title is missing!. , 2019, 14, e0226220.		0
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37	Title is missing!. , 2019, 14, e0226220.		0
38	Title is missing!. , 2019, 14, e0226220.		0