

B L Diffey

List of Publications by Year in descending order

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136
papers

5,988
citations

61857

43
h-index

76769

74
g-index

137
all docs

137
docs citations

137
times ranked

3826
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating personal solar ultraviolet radiation exposure through time spent outdoors, ambient levels and modelling approaches*. British Journal of Dermatology, 2022, 186, 266-273.	1.4	5
2	Erythema and Acclimatization Following Repeated Sun Exposure: A Modeling Study. Photochemistry and Photobiology, 2021, 97, 1558-1567.	1.3	3
3	The impact of solar ultraviolet radiation on fish: Immunomodulation and photoprotective strategies. Fish and Fisheries, 2020, 21, 104-119.	2.7	14
4	Sunscreen claims, risk management and consumer confidence. International Journal of Cosmetic Science, 2020, 42, 1-4.	1.2	6
5	Drivers for Sun Protection in Black South Africans. Photochemistry and Photobiology, 2020, 96, 943-944.	1.3	1
6	The Early Days of Personal Solar Ultraviolet Dosimetry. Atmosphere, 2020, 11, 125.	1.0	17
7	Sunburn and sun protection in black skin. International Journal of Dermatology, 2019, 58, 1053-1055.	0.5	8
8	The Impact of Sunlight on Adventitious Buying and Giving. Photochemistry and Photobiology, 2019, 95, 1482-1484.	1.3	0
9	The Solar Ultraviolet Environment at the Ocean. Photochemistry and Photobiology, 2018, 94, 611-617.	1.3	8
10	Sunburn at the seaside. Photodermatology Photoimmunology and Photomedicine, 2018, 34, 298-301.	0.7	5
11	Sunburn and ambient temperature. British Journal of Dermatology, 2018, 178, e124-e124.	1.4	4
12	Ultraviolet erythema: dose response and mediator diffusion. Photochemical and Photobiological Sciences, 2018, 17, 1941-1945.	1.6	5
13	Time and Place as Modifiers of Personal UV Exposure. International Journal of Environmental Research and Public Health, 2018, 15, 1112.	1.2	31
14	A theoretical and experimental study of the temporal reduction in UV protection provided by a facial day cream. International Journal of Cosmetic Science, 2018, 40, 401-407.	1.2	5
15	Melanin distribution in human epidermis affords localized protection against DNA photodamage and concurs with skin cancer incidence difference in extreme phototypes. FASEB Journal, 2018, 32, 3700-3706.	0.2	77
16	Labelled sunscreen SPF's may overestimate protection in natural sunlight. Photochemical and Photobiological Sciences, 2017, 16, 1519-1523.	1.6	33
17	Optimizing the spectral absorption profile of sunscreens. International Journal of Cosmetic Science, 2017, 39, 90-92.	1.2	6
18	The influence of HIV infection on the age dependence of squamous cell carcinoma of the skin in South Africa. South African Medical Journal, 2017, 107, 127.	0.2	1

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19	Age-specific acceleration in malignant melanoma. <i>F1000Research</i> , 2017, 6, 27.	0.8	3
20	New Sunscreens and the Precautionary Principle. <i>JAMA Dermatology</i> , 2016, 152, 511.	2.0	14
21	An appraisal of the need for infrared radiation protection in sunscreens. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 361-364.	1.6	14
22	Suntanning with sunscreens: a comparison with sunbed tanning. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2015, 31, 307-314.	0.7	6
23	Solar Spectral Irradiance and Summary Outputs Using Excel. <i>Photochemistry and Photobiology</i> , 2015, 91, 553-557.	1.3	23
24	Sunbeds and young people: an easy target for legislation?. <i>British Journal of Dermatology</i> , 2013, 169, 236-237.	1.4	2
25	Seeing is believing. <i>British Journal of Dermatology</i> , 2013, 169, 240-240.	1.4	0
26	The likelihood of sunburn in sunscreen users is disproportionate to the <scp>SPF</scp>. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2013, 29, 111-115.	0.7	14
27	A novel proposal for labelling sunscreens based on compliance and performance. <i>International Journal of Cosmetic Science</i> , 2013, 35, 510-514.	1.2	5
28	Modelling vitamin D status due to oral intake and sun exposure in an adult British population. <i>British Journal of Nutrition</i> , 2013, 110, 569-577.	1.2	20
29	The risk of squamous cell carcinoma in women from exposure to UVA lamps used in cosmetic nail treatment. <i>British Journal of Dermatology</i> , 2012, 167, 1175-1178.	1.4	32
30	Predicting the efficacy of sunscreens <i>in vivo veritas</i>. <i>International Journal of Cosmetic Science</i> , 2012, 34, 44-48.	1.2	14
31	The Ideal Spectral Profile of Topical Sunscreens. <i>Photochemistry and Photobiology</i> , 2012, 88, 744-747.	1.3	13
32	Measurement errors in the assessment of exposure to solar ultraviolet radiation and its impact on risk estimates in epidemiological studies. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1161-1168.	1.6	21
33	An overview analysis of the time people spend outdoors. <i>British Journal of Dermatology</i> , 2011, 164, 848-854.	1.4	81
34	In praise of small studies. <i>British Journal of Dermatology</i> , 2011, 165, 3-4.	1.4	14
35	The impact of topical photoprotectants intended for daily use on lifetime ultraviolet exposure. <i>Journal of Cosmetic Dermatology</i> , 2011, 10, 245-250.	0.8	13
36	Is casual exposure to summer sunlight effective at maintaining adequate vitamin D status?. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2010, 26, 172-176.	0.7	45

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37	Modelling the seasonal variation of vitamin D due to sun exposure. <i>British Journal of Dermatology</i> , 2010, 162, 1342-1348.	1.4	66
38	Comment on "A proposal for in vitro/GFR molecular erythema action spectrum" [J. Appl. Phys. 104, 034701 (2008)]. <i>Journal of Applied Physics</i> , 2009, 105, 116103.	1.1	4
39	Reported sun exposure, attitudes to sun protection and perceptions of skin cancer risk: a survey of visitors to Cancer Research UK's SunSmart campaign website. <i>British Journal of Dermatology</i> , 2009, 160, 1292-1298.	1.4	58
40	Sunscreens as a preventative measure in melanoma: an evidence-based approach or the precautionary principle?. <i>British Journal of Dermatology</i> , 2009, 161, 25-27.	1.4	59
41	A simple technique for estimating daily ambient erythemal ultraviolet from the ultraviolet index. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2009, 25, 227-229.	0.7	10
42	Sunscreens: expectation and realization. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2009, 25, 233-236.	0.7	55
43	Spectral uniformity: a new index of broad spectrum (UVA) protection. <i>International Journal of Cosmetic Science</i> , 2009, 31, 63-68.	1.2	17
44	Red hair, fair skin and melanoma - melanocortin 1 receptor. <i>Experimental Dermatology</i> , 2008, 13, 568-568.	1.4	0
45	A Behavioral Model for Estimating Population Exposure to Solar Ultraviolet Radiation^{â€‹}. <i>Photochemistry and Photobiology</i> , 2008, 84, 371-375.	1.3	61
46	Do we need a revised public health policy on sun exposure? Response from Brian Diffey. <i>British Journal of Dermatology</i> , 2007, 156, 788-788.	1.4	0
47	Sunbeds, beauty and melanoma. <i>British Journal of Dermatology</i> , 2007, 157, 215-216.	1.4	37
48	The challenge of follow-up in narrowband ultraviolet B phototherapy. <i>British Journal of Dermatology</i> , 2007, 157, 344-349.	1.4	34
49	Sunscreens and UVA Protection: A Major Issue of Minor Importance. <i>Photochemistry and Photobiology</i> , 2007, 74, 61-63.	1.3	1
50	Do we need a revised public health policy on sun exposure?. <i>British Journal of Dermatology</i> , 2006, 154, 1046-1051.	1.4	30
51	The contribution of medical physics to the development of psoralen photochemotherapy (PUVA) in the UK: a personal reminiscence. <i>Physics in Medicine and Biology</i> , 2006, 51, R229-R244.	1.6	9
52	Sunscreens and melanoma: the future looks bright. <i>British Journal of Dermatology</i> , 2005, 153, 378-381.	1.4	66
53	What's new in photobiology?. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2005, 21, 56-57.	0.7	0
54	The photoadaptive response to ultraviolet exposure in human skin using ultraviolet spectrophotometry. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2005, 21, 229-233.	0.7	19

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55	Towards Optimal Regimens for the UVB Phototherapy of Psoriasis: A Mathematical Model. <i>Acta Dermato-Venereologica</i> , 2004, 84, 259-264.	0.6	18
56	The future incidence of cutaneous melanoma within the U.K.. <i>British Journal of Dermatology</i> , 2004, 151, 868-872.	1.4	61
57	The Time Course of Photoadaptation and Pigmentation Studied Using a Novel Method to Distinguish Pigmentation from Erythema. <i>Journal of Investigative Dermatology</i> , 2004, 123, 965-972.	0.3	38
58	Climate change, ozone depletion and the impact on ultraviolet exposure of human skin. <i>Physics in Medicine and Biology</i> , 2004, 49, R1-R11.	1.6	146
59	Sun protection factor determination in vivo using a single exposure on sunscreen-protected skin. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2003, 19, 309-312.	0.7	9
60	A quantitative estimate of melanoma mortality from ultraviolet A sunbed use in the U.K.. <i>British Journal of Dermatology</i> , 2003, 149, 578-581.	1.4	46
61	Sources and measurement of ultraviolet radiation. <i>Methods</i> , 2002, 28, 4-13.	1.9	487
62	What is light?. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2002, 18, 68-74.	0.7	98
63	Human exposure to solar ultraviolet radiation. <i>Journal of Cosmetic Dermatology</i> , 2002, 1, 124-130.	0.8	62
64	Is daily use of sunscreens of benefit in the U.K.?. <i>British Journal of Dermatology</i> , 2002, 146, 659-662.	1.4	16
65	The Effect of UV Absorbing Sunscreens on the Reflectance and the Consequent Protection of Skin $\hat{\Delta}$. <i>Photochemistry and Photobiology</i> , 2002, 75, 122-125.	1.3	1
66	Sunscreens: use and misuse. <i>Comprehensive Series in Photosciences</i> , 2001, , 521-534.	0.3	14
67	Subliminal ultraviolet-B irradiation for the prevention of vitamin D deficiency in the elderly: a feasibility study. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2001, 17, 168-171.	0.7	59
68	Has the sun protection factor had its day?. <i>BMJ: British Medical Journal</i> , 2000, 320, 176-177.	2.4	52
69	Sunscreen application by photosensitive patients is inadequate for protection. <i>British Journal of Dermatology</i> , 1999, 140, 255-258.	1.4	141
70	The confounding influence of sun exposure in melanoma. <i>Lancet, The</i> , 1998, 351, 1101-1102.	6.3	38
71	Basal cell carcinoma of the eyelids and solar ultraviolet radiation exposure. <i>British Journal of Ophthalmology</i> , 1998, 82, 1412-1415.	2.1	36
72	The standard erythema dose: a new photobiological concept. <i>Photodermatology Photoimmunology and Photomedicine</i> , 1997, 13, 64-66.	0.7	165

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73	How well are sunscreen users protected?. Photodermatology Photoimmunology and Photomedicine, 1997, 13, 186-188.	0.7	109
74	The influence of sunscreen type on photoprotection. British Journal of Dermatology, 1997, 137, 103-5.	1.4	8
75	Outdoor ultraviolet exposure of children and adolescents. British Journal of Dermatology, 1996, 134, 1030-1034.	1.4	96
76	Outdoor ultraviolet exposure of children and adolescents. British Journal of Dermatology, 1996, 134, 1030-4.	1.4	21
77	A PORTABLE INSTRUMENT FOR MEASURING GROUND REFLECTANCE IN THE ULTRAVIOLET. Photochemistry and Photobiology, 1995, 61, 68-70.	1.3	21
78	BEHAVIOR OUTDOORS AND ITS EFFECTS ON PERSONAL ULTRAVIOLET EXPOSURE RATE MEASURED USING AN AMBULATORY DATALOGGING DOSIMETER. Photochemistry and Photobiology, 1995, 61, 615-618.	1.3	52
79	OBSERVED AND PREDICTED MINIMAL ERYTHEMA DOSES: A COMPARATIVE STUDY. Photochemistry and Photobiology, 1994, 60, 380-382.	1.3	30
80	A method for broad spectrum classification of sunscreens. International Journal of Cosmetic Science, 1994, 16, 47-52.	1.2	121
81	Tables of ambient solar ultraviolet radiation for use in epidemiological studies of malignant melanoma and other diseases. , 1994, , 81-105.		19
82	A device for phototesting patients before PUVA therapy. British Journal of Dermatology, 1993, 129, 700-703.	1.4	16
83	A photobiological evaluation of lamps used in the phototherapy of seasonal affective disorder. Journal of Photochemistry and Photobiology B: Biology, 1993, 17, 203-205.	1.7	2
84	Stratospheric ozone depletion and the risk of non-melanoma skin cancer in a British population. Physics in Medicine and Biology, 1992, 37, 2267-2279.	1.6	89
85	Sun protection with hats. British Journal of Dermatology, 1992, 127, 10-12.	1.4	115
86	The influence of pigmentation and illumination on the perception of erythema. Photodermatology Photoimmunology and Photomedicine, 1992, 9, 45-7.	0.7	17
87	Solar ultraviolet radiation effects on biological systems. Physics in Medicine and Biology, 1991, 36, 299-328.	1.6	482
88	Tanning with UVB or UVA: An appraisal of risks. Journal of Photochemistry and Photobiology B: Biology, 1991, 8, 219.	1.7	25
89	Sunscreen protection against UVB, UVA and blue light: an in vivo and in vitro comparison. British Journal of Dermatology, 1991, 124, 258-263.	1.4	60
90	Quantitative aspects of ultraviolet erythema. Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicists' Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics, 1991, 12, 311-325.	0.5	72

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91	Ultraviolet radiation dosimetry in phototherapy for atopic dermatitis. <i>Journal of the American Academy of Dermatology</i> , 1990, 23, 49-51.	0.6	14
92	Human exposure to ultraviolet radiation. <i>Seminars in Dermatology</i> , 1990, 9, 2-10.	0.6	21
93	Exposure to solar ultraviolet radiation in flight. <i>Aviation, Space, and Environmental Medicine</i> , 1990, 61, 1032-5.	0.6	20
94	The normal range in diagnostic phototesting. <i>British Journal of Dermatology</i> , 1989, 120, 517-524.	1.4	34
95	Pitfalls in the in vitro determination of sunscreen protection factors using broad band ultraviolet radiation detectors and solar simulating radiation. <i>International Journal of Cosmetic Science</i> , 1989, 11, 245-249.	1.2	3
96	Phototoxic potential of thiazide diuretics in normal subjects. <i>Archives of Dermatology</i> , 1989, 125, 1355-8.	1.7	4
97	THE STABILITY OF LIGHT SOURCES: IMPLICATIONS FOR PHOTOBIOLOGICAL STUDIES. <i>Photochemistry and Photobiology</i> , 1988, 47, 317-320.	1.3	8
98	The action spectrum in quinine photosensitivity. <i>British Journal of Dermatology</i> , 1988, 118, 679-685.	1.4	24
99	The risk of skin cancer from occupational exposure to ultraviolet radiation in hospitals. <i>Physics in Medicine and Biology</i> , 1988, 33, 1187-1193.	1.6	13
100	Light and length of stay in hospital. <i>Journal of the Royal Society of Medicine</i> , 1988, 81, 643.	1.1	2
101	Treatment of solar urticaria with terfenadine. <i>Photo-dermatology</i> , 1988, 5, 25-9.	0.1	3
102	Ambient ultraviolet radiation and skin cancer incidence. <i>Photo-dermatology</i> , 1988, 5, 175-8.	0.1	0
103	An appraisal of ultraviolet lamps used for the phototherapy of psoriasis. <i>British Journal of Dermatology</i> , 1987, 117, 49-56.	1.4	26
104	Quantitative studies on UVA-induced erythema in human skin. <i>British Journal of Dermatology</i> , 1987, 117, 57-66.	1.4	63
105	Photodermatitis due to spot welding. <i>British Journal of Dermatology</i> , 1987, 117, 117-119.	1.4	19
106	Cosmetic solarium and malignancies of the skin. <i>Photo-dermatology</i> , 1987, 4, 273-6.	0.1	0
107	A new type of erythematous radiometer for use in phototherapy. <i>Photo-dermatology</i> , 1987, 4, 214-20.	0.1	0
108	Analysis of the risk of skin cancer from sunlight and solarium in subjects living in northern Europe. <i>Photo-dermatology</i> , 1987, 4, 118-26.	0.1	14

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109	The erythema response to ultraviolet radiation in subjects with polymorphic light eruption. British Journal of Dermatology, 1986, 114, 103-108.	1.4	12
110	Occupational exposure to ultraviolet radiation in dermatology departments. British Journal of Dermatology, 1986, 114, 479-484.	1.4	18
111	Use of UV-A sunbeds for cosmetic tanning. British Journal of Dermatology, 1986, 115, 67-76.	1.4	73
112	THE VASCULAR RESPONSE OF HUMAN SKIN TO ULTRAVIOLET RADIATION. Photochemistry and Photobiology, 1986, 44, 501-507.	1.3	34
113	THE EFFECT OF APPLIED THICKNESS ON SUNSCREEN PROTECTION: <i>IN VIVO</i> AND <i>IN VITRO</i> STUDIES. Photochemistry and Photobiology, 1986, 44, 509-513.	1.3	70
114	The erythema response of human skin to ultraviolet radiation. British Journal of Dermatology, 1985, 113, 65-76.	1.4	80
115	A microcomputer program to predict sunburn exposure. Medical Physics, 1984, 11, 869-870.	1.6	2
116	A portable instrument for quantifying erythema induced by ultraviolet radiation. British Journal of Dermatology, 1984, 111, 663-672.	1.4	298
117	Quantitative studies on cutaneous erythema induced by ultraviolet radiation. British Journal of Dermatology, 1984, 111, 673-682.	1.4	153
118	Phototoxicity of glyphosate in a weedkiller. Contact Dermatitis, 1984, 10, 51-52.	0.8	20
119	UVR for uraemic pruritus. Clinical and Experimental Dermatology, 1983, 8, 208-208.	0.6	0
120	Natural UV-B radiation received by people with outdoor, indoor, and mixed occupations and UV-B treatment of psoriasis. Clinical and Experimental Dermatology, 1983, 8, 279-285.	0.6	73
121	A personal dosimeter for quantifying the biologically effective sunlight exposure of patients receiving benoxaprofen. Physics in Medicine and Biology, 1982, 27, 1507-1513.	1.6	6
122	UV-B doses received during different outdoor activities and UV-B treatment of psoriasis. British Journal of Dermatology, 1982, 106, 33-41.	1.4	67
123	Oral Vitamin D and Ultraviolet Radiation for the Prevention of Vitamin D Deficiency in the Elderly. Acta Medica Scandinavica, 1982, 212, 157-162.	0.0	27
124	A PERSONAL DOSIMETER FOR BIOLOGICALLY EFFECTIVE SOLAR UV-B RADIATION. Photochemistry and Photobiology, 1981, 34, 283-286.	1.3	19
125	Personal solar UV-A doses received by patients undergoing oral psoralen photochemotherapy for psoriasis. British Journal of Dermatology, 1981, 105, 573-577.	1.4	18
126	The protection against solar actinic radiation afforded by common clothing fabrics. Clinical and Experimental Dermatology, 1981, 6, 577-582.	0.6	55

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127	Automatic read-out device for ultraviolet-radiation polymer-film dosimeters. <i>Medical and Biological Engineering and Computing</i> , 1980, 18, 467-473.	1.6	4
128	AN ULTRAVIOLET RADIATION DOSIMETER BASED ON THE PHOTOSENSITISING DRUG, NALIDIXIC ACID. <i>Photochemistry and Photobiology</i> , 1980, 31, 27-30.	1.3	29
129	Solar dosimetry of the face: the relationship of natural ultraviolet radiation exposure to basal cell carcinoma localisation. <i>Physics in Medicine and Biology</i> , 1979, 24, 931-939.	1.6	87
130	RESPONSE OF PLASMA-25-HYDROXYVITAMIN D TO ULTRAVIOLET IRRADIATION IN LONG-STAY GERIATRIC PATIENTS. <i>Lancet, The</i> , 1978, 312, 649-651.	6.3	56
131	A new dosimeter for the measurement of natural ultraviolet radiation in the study of photodermatoses and drug photosensitivity. <i>Physics in Medicine and Biology</i> , 1978, 23, 318-323.	1.6	47
132	The calculation of the spectral distribution of natural ultraviolet radiation under clear day conditions (for UV dosimeter correction). <i>Physics in Medicine and Biology</i> , 1977, 22, 309-316.	1.6	68
133	The anatomical distribution of sunlight. <i>British Journal of Dermatology</i> , 1977, 97, 407-410.	1.4	79
134	A dosimeter for long wave ultraviolet radiation. <i>British Journal of Dermatology</i> , 1977, 97, 127-130.	1.4	33
135	Personnel monitoring of exposure to ultraviolet radiation. <i>Clinical and Experimental Dermatology</i> , 1976, 1, 175-179.	0.6	87
136	Possible dosimeter for ultraviolet radiation. <i>Nature</i> , 1976, 261, 169-170.	13.7	274