# 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 | Sources and measurement of ultraviolet radiation. Methods, 2002, 28, 4-13. | 1.9 | 487 |
| 2 | Solar ultraviolet radiation effects on biological systems. Physics in Medicine and Biology, 1991, 36, 299-328. | 1.6 | 482 |
| 3 | A portable instrument for quantifying erythema induced by ultraviolet radiation. British Journal of Dermatology, 1984, 111, 663-672. | 1.4 | 298 |
| 4 | Possible dosimeter for ultraviolet radiation. Nature, 1976, 261, 169-170. | 13.7 | 274 |
| 5 | The standard erythema dose: a new photobiological concept. Photodermatology Photoimmunology and Photomedicine, 1997, 13, 64-66. | 0.7 | 165 |
| 6 | Quantitative studies on cutaneous erythema induced by ultraviolet radiation. British Journal of Dermatology, 1984, 111, 673-682. | 1.4 | 153 |
| 7 | Climate change, ozone depletion and the impact on ultraviolet exposure of human skin. Physics in Medicine and Biology, 2004, 49, R1-R11. | 1.6 | 146 |
| 8 | Sunscreen application by photosensitive patients is inadequate for protection. British Journal of Dermatology, 1999, 140, 255-258. | 1.4 | 141 |
| 9 | A method for broad spectrum classification of sunscreens. International Journal of Cosmetic Science, 1994, 16, 47-52. | 1.2 | 121 |
| 10 | Sun protection with hats. British Journal of Dermatology, 1992, 127, 10-12. | 1.4 | 115 |
| 11 | How well are sunscreen users protected?. Photodermatology Photoimmunology and Photomedicine, 1997, 13, 186-188. | 0.7 | 109 |
| 12 | What is light?. Photodermatology Photoimmunology and Photomedicine, 2002, 18, 68-74. | 0.7 | 98 |
| 13 | Outdoor ultraviolet exposure of children and adolescents. British Journal of Dermatology, 1996, 134, 1030-1034. | 1.4 | 96 |
| 14 | 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 |
| 15 | Personnel monitoring of exposure to ultraviolet radiation. Clinical and Experimental Dermatology, 1976, 1, 175-179. | 0.6 | 87 |
| 16 | Solar dosimetry of the face: the relationship of natural ultraviolet radiation exposure to basal cell carcinoma localisation. Physics in Medicine and Biology, 1979, 24, 931-939. | 1.6 | 87 |
| 17 | An overview analysis of the time people spend outdoors. British Journal of Dermatology, 2011, 164, 848-854. | 1.4 | 81 |
| 18 | The erythemal response of human skin to ultraviolet radiation. British Journal of Dermatology, 1985, 113, 65-76. | 1.4 | 80 |

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|---|---|---|---|
| 19 | The anatomical distribution of sunlight. British Journal of Dermatology, 1977, 97, 407-410. | 1.4 | 79 |
| 20 | 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 |
| 21 | 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 |
| 22 | Use of UV-A sunbeds for cosmetic tanning. British Journal of Dermatology, 1986, 115, 67-76. | 1.4 | 73 |
| 23 | 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 |
| 24 | THE EFFECT OF APPLIED THICKNESS ON SUNSCREEN PROTECTION: IN VIVO AND IN VITRO STUDIES. Photochemistry and Photobiology, 1986, 44, 509-513. | 1.3 | 70 |
| 25 | The calculation of the spectral distribution of natural ultraviolet radiation under clear day conditions (for UV dosimeter correction). Physics in Medicine and Biology, 1977, 22, 309-316. | 1.6 | 68 |
| 26 | 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 |
| 27 | Sunscreens and melanoma: the future looks bright. British Journal of Dermatology, 2005, 153, 378-381. | 1.4 | 66 |
| 28 | Modelling the seasonal variation of vitamin D due to sun exposure. British Journal of Dermatology, 2010, 162, 1342-1348. | 1.4 | 66 |
| 29 | Quantitative studies on UVA-induced erythema in human skin. British Journal of Dermatology, 1987, 117, 57-66. | 1.4 | 63 |
| 30 | Human exposure to solar ultraviolet radiation. Journal of Cosmetic Dermatology, 2002, 1, 124-130. | 0.8 | 62 |
| 31 | The future incidence of cutaneous melanoma within the U.K.. British Journal of Dermatology, 2004, 151, 868-872. | 1.4 | 61 |
| 32 | A Behavioral Model for Estimating Population Exposure to Solar Ultraviolet Radiation<sup>â€</sup>. Photochemistry and Photobiology, 2008, 84, 371-375. | 1.3 | 61 |
| 33 | 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 |
| 34 | Subliminal ultraviolet-B irradiation for the prevention of vitamin D deficiency in the elderly: a feasibility study. Photodermatology Photoimmunology and Photomedicine, 2001, 17, 168-171. | 0.7 | 59 |
| 35 | Sunscreens as a preventative measure in melanoma: an evidence-based approach or the precautionary principle?. British Journal of Dermatology, 2009, 161, 25-27. | 1.4 | 59 |
| 36 | Reported sun exposure, attitudes to sun protection and perceptions of skin cancer risk: a survey of visitors to Cancer Research UKâ€™s SunSmart campaign website. British Journal of Dermatology, 2009, 160, 1292-1298. | 1.4 | 58 |

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|---|---|---|---|
| 37 | RESPONSE OF PLASMA-25-HYDROXYVITAMIN D TO ULTRAVIOLET IRRADIATION IN LONG-STAY GERIATRIC PATIENTS. Lancet, The, 1978, 312, 649-651. | 6.3 | 56 |
| 38 | The protection against solar actinic radiation afforded by common clothing fabrics. Clinical and Experimental Dermatology, 1981, 6, 577-582. | 0.6 | 55 |
| 39 | Sunscreens: expectation and realization. Photodermatology Photoimmunology and Photomedicine, 2009, 25, 233-236. | 0.7 | 55 |
| 40 | 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 |
| 41 | Has the sun protection factor had its day?. BMJ: British Medical Journal, 2000, 320, 176-177. | 2.4 | 52 |
| 42 | A new dosemeter for the measurement of natural ultraviolet radiation in the study of photodermatoses and drug photosensitivity. Physics in Medicine and Biology, 1978, 23, 318-323. | 1.6 | 47 |
| 43 | A quantitative estimate of melanoma mortality from ultraviolet A sunbed use in the U.K.. British Journal of Dermatology, 2003, 149, 578-581. | 1.4 | 46 |
| 44 | Is casual exposure to summer sunlight effective at maintaining adequate vitamin D status?. Photodermatology Photoimmunology and Photomedicine, 2010, 26, 172-176. | 0.7 | 45 |
| 45 | The confounding influence of sun exposure in melanoma. Lancet, The, 1998, 351, 1101-1102. | 6.3 | 38 |
| 46 | The Time Course of Photoadaptation and Pigmentation Studied Using a Novel Method to Distinguish Pigmentation from Erythema. Journal of Investigative Dermatology, 2004, 123, 965-972. | 0.3 | 38 |
| 47 | Sunbeds, beauty and melanoma. British Journal of Dermatology, 2007, 157, 215-216. | 1.4 | 37 |
| 48 | Basal cell carcinoma of the eyelids and solar ultraviolet radiation exposure. British Journal of Ophthalmology, 1998, 82, 1412-1415. | 2.1 | 36 |
| 49 | THE VASCULAR RESPONSE OF HUMAN SKIN TO ULTRAVIOLET RADIATION. Photochemistry and Photobiology, 1986, 44, 501-507. | 1.3 | 34 |
| 50 | The normal range in diagnostic phototesting. British Journal of Dermatology, 1989, 120, 517-524. | 1.4 | 34 |
| 51 | The challenge of follow-up in narrowband ultraviolet B phototherapy. British Journal of Dermatology, 2007, 157, 344-349. | 1.4 | 34 |
| 52 | A dosimeter for long wave ultraviolet radiation. British Journal of Dermatology, 1977, 97, 127-130. | 1.4 | 33 |
| 53 | Labelled sunscreen SPFs may overestimate protection in natural sunlight. Photochemical and Photobiological Sciences, 2017, 16, 1519-1523. | 1.6 | 33 |
| 54 | The risk of squamous cell carcinoma in women from exposure to UVA lamps used in cosmetic nail treatment. British Journal of Dermatology, 2012, 167, 1175-1178. | 1.4 | 32 |

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| 55 | Time and Place as Modifiers of Personal UV Exposure. International Journal of Environmental Research and Public Health, 2018, 15, 1112. | 1.2 | 31 |
| 56 | OBSERVED AND PREDICTED MINIMAL ERYTHEMA DOSES: A COMPARATIVE STUDY. Photochemistry and Photobiology, 1994, 60, 380-382. | 1.3 | 30 |
| 57 | Do we need a revised public health policy on sun exposure?. British Journal of Dermatology, 2006, 154, 1046-1051. | 1.4 | 30 |
| 58 | AN ULTRAVIOLET RADIATION DOSIMETER BASED ON THE PHOTOSENSITISING DRUG, NALIDIXIC ACID. Photochemistry and Photobiology, 1980, 31, 27-30. | 1.3 | 29 |
| 59 | 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 |
| 60 | An appraisal of ultraviolet lamps used for the phototherapy of psoriasis. British Journal of Dermatology, 1987, 117, 49-56. | 1.4 | 26 |
| 61 | Tanning with UVB or UVA: An appraisal of risks. Journal of Photochemistry and Photobiology B: Biology, 1991, 8, 219. | 1.7 | 25 |
| 62 | The action spectrum in quinine photosensitivity. British Journal of Dermatology, 1988, 118, 679-685. | 1.4 | 24 |
| 63 | Solar Spectral Irradiance and Summary Outputs Using Excel. Photochemistry and Photobiology, 2015, 91, 553-557. | 1.3 | 23 |
| 64 | A PORTABLE INSTRUMENT FOR MEASURING GROUND REFLECTANCE IN THE ULTRAVIOLET. Photochemistry and Photobiology, 1995, 61, 68-70. | 1.3 | 21 |
| 65 | Measurement errors in the assessment of exposure to solar ultraviolet radiation and its impact on risk estimates in epidemiological studies. Photochemical and Photobiological Sciences, 2011, 10, 1161-1168. | 1.6 | 21 |
| 66 | Human exposure to ultraviolet radiation. Seminars in Dermatology, 1990, 9, 2-10. | 0.6 | 21 |
| 67 | Outdoor ultraviolet exposure of children and adolescents. British Journal of Dermatology, 1996, 134, 1030-4. | 1.4 | 21 |
| 68 | Phototoxicity of glyphosate in a weedkiller. Contact Dermatitis, 1984, 10, 51-52. | 0.8 | 20 |
| 69 | Modelling vitamin D status due to oral intake and sun exposure in an adult British population. British Journal of Nutrition, 2013, 110, 569-577. | 1.2 | 20 |
| 70 | Exposure to solar ultraviolet radiation in flight. Aviation, Space, and Environmental Medicine, 1990, 61, 1032-5. | 0.6 | 20 |
| 71 | A PERSONAL DOSIMETER FOR BIOLOGICALLY EFFECTIVE SOLAR UV-B RADIATION. Photochemistry and Photobiology, 1981, 34, 283-286. | 1.3 | 19 |
| 72 | Photodermatitis due to spot welding. British Journal of Dermatology, 1987, 117, 117-119. | 1.4 | 19 |

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| 73 | The photoadaptive response to ultraviolet exposure in human skin using ultraviolet spectrophotometry. Photodermatology Photoimmunology and Photomedicine, 2005, 21, 229-233. | 0.7 | 19 |
| 74 | Tables of ambient solar ultraviolet radiation for use in epidemiological studies of malignant melanoma and other diseases. , 1994, , 81-105. | | 19 |
| 75 | 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 |
| 76 | Occupational exposure to ultraviolet radiation in dermatology departments. British Journal of Dermatology, 1986, 114, 479-484. | 1.4 | 18 |
| 77 | Towards Optimal Regimens for the UVB Phototherapy of Psoriasis: A Mathematical Model. Acta Dermato-Venereologica, 2004, 84, 259-264. | 0.6 | 18 |
| 78 | Spectral uniformity: a new index of broad spectrum (UVA) protection. International Journal of Cosmetic Science, 2009, 31, 63-68. | 1.2 | 17 |
| 79 | The Early Days of Personal Solar Ultraviolet Dosimetry. Atmosphere, 2020, 11, 125. | 1.0 | 17 |
| 80 | The influence of pigmentation and illumination on the perception of erythema. Photodermatology Photoimmunology and Photomedicine, 1992, 9, 45-7. | 0.7 | 17 |
| 81 | A device for phototesting patients before PUVA therapy. British Journal of Dermatology, 1993, 129, 700-703. | 1.4 | 16 |
| 82 | Is daily use of sunscreens of benefit in the U.K.?. British Journal of Dermatology, 2002, 146, 659-662. | 1.4 | 16 |
| 83 | Ultraviolet radiation dosimetry in phototherapy for atopic dermatitis. Journal of the American Academy of Dermatology, 1990, 23, 49-51. | 0.6 | 14 |
| 84 | Sunscreens: use and misuse. Comprehensive Series in Photosciences, 2001, , 521-534. | 0.3 | 14 |
| 85 | In praise of small studies. British Journal of Dermatology, 2011, 165, 3-4. | 1.4 | 14 |
| 86 | Predicting the efficacy of sunscreens in vivo veritas. International Journal of Cosmetic Science, 2012, 34, 44-48. | 1.2 | 14 |
| 87 | The likelihood of sunburn in sunscreen users is disproportionate to the <scp>SPF</scp>. Photodermatology Photoimmunology and Photomedicine, 2013, 29, 111-115. | 0.7 | 14 |
| 88 | New Sunscreens and the Precautionary Principle. JAMA Dermatology, 2016, 152, 511. | 2.0 | 14 |
| 89 | An appraisal of the need for infrared radiation protection in sunscreens. Photochemical and Photobiological Sciences, 2016, 15, 361-364. | 1.6 | 14 |
| 90 | The impact of solar ultraviolet radiation on fish: Immunomodulation and photoprotective strategies. Fish and Fisheries, 2020, 21, 104-119. | 2.7 | 14 |

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| 91 | Analysis of the risk of skin cancer from sunlight and solaria in subjects living in northern Europe. Photo-dermatology, 1987, 4, 118-26. | 0.1 | 14 |
| 92 | The risk of skin cancer from occupational exposure to ultraviolet radiation in hospitals. Physics in Medicine and Biology, 1988, 33, 1187-1193. | 1.6 | 13 |
| 93 | The impact of topical photoprotectants intended for daily use on lifetime ultraviolet exposure. Journal of Cosmetic Dermatology, 2011, 10, 245-250. | 0.8 | 13 |
| 94 | The Ideal Spectral Profile of Topical Sunscreens. Photochemistry and Photobiology, 2012, 88, 744-747. | 1.3 | 13 |
| 95 | The erythemal response to ultraviolet radiation in subjects with polymorphic light eruption. British Journal of Dermatology, 1986, 114, 103-108. | 1.4 | 12 |
| 96 | A simple technique for estimating daily ambient erythemal ultraviolet from the ultraviolet index. Photodermatology Photoimmunology and Photomedicine, 2009, 25, 227-229. | 0.7 | 10 |
| 97 | Sun protection factor determinationin vivousing a single exposure on sunscreen-protected skin. Photodermatology Photoimmunology and Photomedicine, 2003, 19, 309-312. | 0.7 | 9 |
| 98 | The contribution of medical physics to the development of psoralen photochemotherapy (PUVA) in the UK: a personal reminiscence. Physics in Medicine and Biology, 2006, 51, R229-R244. | 1.6 | 9 |
| 99 | THE STABILITY OF LIGHT SOURCES: IMPLICATIONS FOR PHOTOBIOLOGICAL STUDIES. Photochemistry and Photobiology, 1988, 47, 317-320. | 1.3 | 8 |
| 100 | The Solar Ultraviolet Environment at the Ocean. Photochemistry and Photobiology, 2018, 94, 611-617. | 1.3 | 8 |
| 101 | Sunburn and sun protection in black skin. International Journal of Dermatology, 2019, 58, 1053-1055. | 0.5 | 8 |
| 102 | The influence of sunscreen type on photoprotection. British Journal of Dermatology, 1997, 137, 103-5. | 1.4 | 8 |
| 103 | A personal dosemeter for quantifying the biologically effective sunlight exposure of patients receiving benoxaprofen. Physics in Medicine and Biology, 1982, 27, 1507-1513. | 1.6 | 6 |
| 104 | Suntanning with sunscreens: a comparison with sunbed tanning. Photodermatology Photoimmunology and Photomedicine, 2015, 31, 307-314. | 0.7 | 6 |
| 105 | Optimizing the spectral absorption profile of sunscreens. International Journal of Cosmetic Science, 2017, 39, 90-92. | 1.2 | 6 |
| 106 | Sunscreen claims, risk management and consumer confidence. International Journal of Cosmetic Science, 2020, 42, 1-4. | 1.2 | 6 |
| 107 | A novel proposal for labelling sunscreens based on compliance and performance. International Journal of Cosmetic Science, 2013, 35, 510-514. | 1.2 | 5 |
| 108 | Sunburn at the seaside. Photodermatology Photoimmunology and Photomedicine, 2018, 34, 298-301. | 0.7 | 5 |

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| 109 | Ultraviolet erythema: dose response and mediator diffusion. Photochemical and Photobiological Sciences, 2018, 17, 1941-1945. | 1.6 | 5 |
| 110 | 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 |
| 111 | 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 |
| 112 | Automatic read-out device for ultraviolet-radiation polymer-film dosimeters. Medical and Biological Engineering and Computing, 1980, 18, 467-473. | 1.6 | 4 |
| 113 | Comment on â€œA proposal for in vitro/GFR molecular erythema action spectrumâ€•[J. Appl. Phys. 104, 034701 (2008)]. Journal of Applied Physics, 2009, 105, 116103. | 1.1 | 4 |
| 114 | Sunburn and ambient temperature. British Journal of Dermatology, 2018, 178, e124-e124. | 1.4 | 4 |
| 115 | Phototoxic potential of thiazide diuretics in normal subjects. Archives of Dermatology, 1989, 125, 1355-8. | 1.7 | 4 |
| 116 | Pitfalls in the in vitro determination of sunscreen protection factors using broad band ultraviolet radiation detectors and solar simulating radiation. International Journal of Cosmetic Science, 1989, 11, 245-249. | 1.2 | 3 |
| 117 | Erythema and Acclimatization Following Repeated Sun Exposure: AÂModeling Study. Photochemistry and Photobiology, 2021, 97, 1558-1567. | 1.3 | 3 |
| 118 | Age-specific acceleration in malignant melanoma. F1000Research, 2017, 6, 27. | 0.8 | 3 |
| 119 | Treatment of solar urticaria with terfenadine. Photo-dermatology, 1988, 5, 25-9. | 0.1 | 3 |
| 120 | A microcomputer program to predict sunburn exposure. Medical Physics, 1984, 11, 869-870. | 1.6 | 2 |
| 121 | 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 |
| 122 | Sunbeds and young people: an easy target for legislation?. British Journal of Dermatology, 2013, 169, 236-237. | 1.4 | 2 |
| 123 | Light and length of stay in hospital. Journal of the Royal Society of Medicine, 1988, 81, 643. | 1.1 | 2 |
| 124 | Sunscreens and UVA Protection: A Major Issue of Minor ImportanceÂ¶. Photochemistry and Photobiology, 2007, 74, 61-63. | 1.3 | 1 |
| 125 | The Effect of UV Absorbing Sunscreens on the Reflectance and the Consequent Protection of Skin â€Â¶. Photochemistry and Photobiology, 2002, 75, 122-125. | 1.3 | 1 |
| 126 | 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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| 127 | Drivers for Sun Protection in Black South Africans. Photochemistry and Photobiology, 2020, 96, 943-944. | 1.3 | 1 |
| 128 | UVR for uraemic pruritus. Clinical and Experimental Dermatology, 1983, 8, 208-208. | 0.6 | 0 |
| 129 | What's new in photobiology?. Photodermatology Photoimmunology and Photomedicine, 2005, 21, 56-57. | 0.7 | 0 |
| 130 | Do we need a revised public health policy on sun exposure? Response from Brian Diffey. British Journal of Dermatology, 2007, 156, 788-788. | 1.4 | 0 |
| 131 | Red hair, fair skin and melanoma - melanocortin 1 receptor. Experimental Dermatology, 2008, 13, 568-568. | 1.4 | 0 |
| 132 | Seeing is believing. British Journal of Dermatology, 2013, 169, 240-240. | 1.4 | 0 |
| 133 | The Impact of Sunlight on Adventitious Buying and Giving. Photochemistry and Photobiology, 2019, 95, 1482-1484. | 1.3 | 0 |
| 134 | Ambient ultraviolet radiation and skin cancer incidence. Photo-dermatology, 1988, 5, 175-8. | 0.1 | 0 |
| 135 | Cosmetic solaria and malignancies of the skin. Photo-dermatology, 1987, 4, 273-6. | 0.1 | 0 |
| 136 | A new type of erythemal radiometer for use in phototherapy. Photo-dermatology, 1987, 4, 214-20. | 0.1 | 0 |