

Richard B Weller

List of Publications by Year in descending order

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106
papers

4,032
citations

126708

33
h-index

128067

60
g-index

145
all docs

145
docs citations

145
times ranked

5067
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric oxide and wound repair: role of cytokines?. Nitric Oxide - Biology and Chemistry, 2002, 7, 1-10.	1.2	330
2	Skin Cancer: Epidemiology, Disease Burden, Pathophysiology, Diagnosis, and Therapeutic Approaches. Dermatology and Therapy, 2017, 7, 5-19.	1.4	286
3	UVA Irradiation of Human Skin Vasodilates Arterial Vasculature and Lowers Blood Pressure Independently of Nitric Oxide Synthase. Journal of Investigative Dermatology, 2014, 134, 1839-1846.	0.3	213
4	Prostaglandin E ₂ constrains systemic inflammation through an innate lymphoid cellâ€”IL-22 axis. Science, 2016, 351, 1333-1338.	6.0	156
5	Nitric Oxide Is Generated on the Skin Surface by Reduction of Sweat Nitrate. Journal of Investigative Dermatology, 1996, 107, 327-331.	0.3	150
6	Nitric oxide: a key mediator in cutaneous physiology. Clinical and Experimental Dermatology, 2003, 28, 511-514.	0.6	139
7	Anti-E-selectin is ineffective in the treatment of psoriasis: a randomized trial. British Journal of Dermatology, 2002, 146, 824-831.	1.4	135
8	Antimicrobial effect of acidified nitrite on dermatophyte fungi, Candida and bacterial skin pathogens. Journal of Applied Microbiology, 2001, 90, 648-652.	1.4	120
9	Detection of nitric oxide and nitric oxide synthases in psoriasis. Archives of Dermatological Research, 1998, 290, 3-8.	1.1	118
10	Topically applied S-nitrosothiol-containing hydrogels as experimental and pharmacological nitric oxide donors in human skin. British Journal of Dermatology, 2004, 151, 977-983.	1.4	104
11	Enzyme-Independent NO Stores in Human Skin: Quantification and Influence of UV Radiation. Journal of Investigative Dermatology, 2009, 129, 834-842.	0.3	104
12	Topically Applied Nitric Oxide Induces T-Lymphocyte Infiltration in Human Skin, but Minimal Inflammation. Journal of Investigative Dermatology, 2008, 128, 352-360.	0.3	102
13	Ultraviolet Radiation Suppresses Obesity and Symptoms of Metabolic Syndrome Independently of Vitamin D in Mice Fed a High-Fat Diet. Diabetes, 2014, 63, 3759-3769.	0.3	101
14	Is sunlight good for our heart?. European Heart Journal, 2010, 31, 1041-1045.	1.0	93
15	Insufficient Sun Exposure Has Become a Real Public Health Problem. International Journal of Environmental Research and Public Health, 2020, 17, 5014.	1.2	71
16	The effects of topical treatment with acidified nitrite on wound healing in normal and diabetic mice. Nitric Oxide - Biology and Chemistry, 2006, 15, 395-399.	1.2	70
17	Sunlight Has Cardiovascular Benefits Independently of Vitamin D. Blood Purification, 2016, 41, 130-134.	0.9	70
18	Autologous nitric oxide protects mouse and human keratinocytes from ultraviolet B radiation-induced apoptosis. American Journal of Physiology - Cell Physiology, 2003, 284, C1140-C1148.	2.1	69

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19	A randomized trial of acidified nitrite cream in the treatment of tinea pedis. <i>Journal of the American Academy of Dermatology</i> , 1998, 38, 559-563.	0.6	67
20	Nitric Oxide-Containing Nanoparticles as an Antimicrobial Agent and Enhancer of Wound Healing. <i>Journal of Investigative Dermatology</i> , 2009, 129, 2335-2337.	0.3	56
21	Chitosan nanoparticles for nitric oxide delivery in human skin. <i>MedChemComm</i> , 2017, 8, 713-719.	3.5	49
22	The health benefits of UV radiation exposure through vitamin D production or non-vitamin D pathways. Blood pressure and cardiovascular disease. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 374-380.	1.6	47
23	Acute whole body UVA irradiation combined with nitrate ingestion enhances time trial performance in trained cyclists. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 48, 3-9.	1.2	45
24	Psoriatic keratinocytes show reduced IRF1 and STAT1 activation in response to IFN. <i>FASEB Journal</i> , 1999, 13, 495-502.	0.2	44
25	Prostaglandin E2 stimulates adaptive IL-22 production and promotes allergic contact dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 152-162.	1.5	43
26	Wound licking and nitric oxide. <i>Lancet, The</i> , 1997, 349, 1776.	6.3	41
27	Tonsillitis and chronic psoriasis. <i>Clinical Otolaryngology</i> , 1998, 23, 67-68.	0.0	41
28	Arginase is overactive in psoriatic skin. <i>British Journal of Dermatology</i> , 2010, 163, 193-196.	1.4	40
29	IL-1 β -Induced Protection of Keratinocytes against Staphylococcus aureus-Secreted Proteases Is Mediated by Human β -Defensin 2. <i>Journal of Investigative Dermatology</i> , 2017, 137, 95-105.	0.3	39
30	Nitric oxide (NO) and nanoparticles – Potential small tools for the war against COVID-19 and other human coronavirus infections. <i>Virus Research</i> , 2021, 291, 198202.	1.1	39
31	Adult Still's disease. <i>British Journal of Dermatology</i> , 1994, 130, 511-513.	1.4	38
32	Feeding filaggrin: effects of L-histidine supplementation in atopic dermatitis. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2017, Volume 10, 403-411.	0.8	38
33	A comparison of subjective and objective measures of reduction of psoriasis with the use of ultrasound, reflectance colorimetry, computerized video image analysis, and nitric oxide production. <i>Journal of the American Academy of Dermatology</i> , 1997, 37, 51-57.	0.6	37
34	Does Incident Solar Ultraviolet Radiation Lower Blood Pressure?. <i>Journal of the American Heart Association</i> , 2020, 9, e013837.	1.6	37
35	Ultraviolet A radiation and COVID-19 deaths in the USA with replication studies in England and Italy*. <i>British Journal of Dermatology</i> , 2021, 185, 363-370.	1.4	36
36	Risks and benefits of UV radiation in older people: More of a friend than a foe?. <i>Maturitas</i> , 2015, 81, 425-431.	1.0	34

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37	Cutaneous control of blood pressure. <i>Current Opinion in Nephrology and Hypertension</i> , 2016, 25, 11-15.	1.0	29
38	The effect of indoor thermal and humidity condition on the oldest-old people's comfort and skin condition in winter. <i>Building and Environment</i> , 2020, 174, 106790.	3.0	29
39	Filaggrin-null mutations are associated with increased maturation markers on Langerhans cells. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 482-490.e7.	1.5	28
40	Sub-erythral ultraviolet radiation reduces metabolic dysfunction in already overweight mice. <i>Journal of Endocrinology</i> , 2017, 233, 81-92.	1.2	28
41	Interdisciplinary Perspectives on Sun Safety. <i>JAMA Dermatology</i> , 2018, 154, 88.	2.0	28
42	Expression of nitric oxide synthase III (eNOS) mRNA by human skin cells: melanocytes but not keratinocytes express eNOS mRNA. <i>Archives of Dermatological Research</i> , 1998, 290, 350-352.	1.1	27
43	Increased expression of inducible nitric oxide (NO) synthase. <i>British Journal of Dermatology</i> , 1997, 136, 136-137.	1.4	25
44	Antitumor Potential of S-Nitrosothiol-Containing Polymeric Nanoparticles against Melanoma. <i>Molecular Pharmaceutics</i> , 2018, 15, 1160-1168.	2.3	25
45	Pro- and Anti-Apoptotic Effects of Nitric Oxide in Irradiated Keratinocytes: The Role of Superoxide. <i>Skin Pharmacology and Physiology</i> , 2002, 15, 348-352.	1.1	23
46	Randomized controlled study of a cosmetic treatment for mild acne. <i>Clinical and Experimental Dermatology</i> , 2012, 37, 346-349.	0.6	23
47	Can Skin Exposure to Sunlight Prevent Liver Inflammation?. <i>Nutrients</i> , 2015, 7, 3219-3239.	1.7	23
48	Hepatocyte Fas-associating Death Domain Protein/Mediator of Receptor-induced Toxicity (FADD/MORT1) Levels Increase in Response to Pro-apoptotic Stimuli. <i>Journal of Biological Chemistry</i> , 2002, 277, 38855-38862.	1.6	22
49	Characterising nitric oxide-mediated metabolic benefits of low-dose ultraviolet radiation in the mouse: a focus on brown adipose tissue. <i>Diabetologia</i> , 2020, 63, 179-193.	2.9	22
50	What is the evidence for interactions between filaggrin null mutations and environmental exposures in the aetiology of atopic dermatitis? A systematic review. <i>British Journal of Dermatology</i> , 2020, 183, 443-451.	1.4	22
51	Mathematical Modelling of Nitric Oxide Regulation of Rete Peg Formation in Psoriasis. <i>Journal of Theoretical Biology</i> , 2002, 214, 1-16.	0.8	21
52	Defining the Quantitative Contribution of the Melanocortin 1 Receptor (MC1R) to Variation in Pigmentary Phenotype. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 339-347.	1.8	21
53	Dermoscopy. <i>Journal of Dermatology</i> , 2006, 33, 513-517.	0.6	19
54	Photochemistry of nitric oxide and S-nitrosothiols in human skin. <i>Histochemistry and Cell Biology</i> , 2020, 153, 431-441.	0.8	19

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55	Topical application of superoxide dismutase mediated by HIV-TAT peptide attenuates UVB-induced damages in human skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 286-294.	2.0	17
56	Nitric oxide induces human CLA + CD25 + Foxp3 + regulatory T cells with skin-homing potential. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1441-1444.e6.	1.5	17
57	Investigating the Potential for Ultraviolet Light to Modulate Morbidity and Mortality From COVID-19: A Narrative Review and Update. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 616527.	1.1	17
58	Protease–antiprotease imbalance may be linked to potential defects in profilaggrin proteolysis in atopic dermatitis. <i>British Journal of Dermatology</i> , 2012, 166, 1137-1140.	1.4	16
59	Delivering nitric oxide into human skin from encapsulated S-nitrosoglutathione under UV light: An in vitro and ex vivo study. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 94, 108-113.	1.2	16
60	Topical application of acidified nitrite to the nail renders it antifungal and causes nitrosation of cysteine groups in the nail plate. <i>British Journal of Dermatology</i> , 2007, 157, 494-500.	1.4	15
61	Efficient internalization of TAT peptide in zwitterionic DOPC phospholipid membrane revealed by neutron diffraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 910-916.	1.4	15
62	Nitric oxide release accounts for the reduced incidence of cutaneous infections in psoriasis. <i>Journal of the American Academy of Dermatology</i> , 1997, 36, 281-282.	0.6	13
63	Nitric oxide donors and the skin: useful therapeutic agents?. <i>Clinical Science</i> , 2003, 105, 533-535.	1.8	13
64	The effects of two different doses of ultraviolet-A light exposure on nitric oxide metabolites and cardiorespiratory outcomes. <i>European Journal of Applied Physiology</i> , 2018, 118, 1043-1052.	1.2	13
65	Nitric oxide—a newly discovered chemical transmitter in human skin. <i>British Journal of Dermatology</i> , 1997, 137, 665-72.	1.4	13
66	Vitamin D status and ill health. <i>Lancet Diabetes and Endocrinology</i> , the, 2014, 2, e8.	5.5	12
67	Onycholysis in a case of atopic eczema treated with PUVA photochemotherapy. <i>Clinical and Experimental Dermatology</i> , 1992, 17, 65-66.	0.6	11
68	Penicillamine in the Etiology of Bullous Pemphigoid. <i>Annals of Pharmacotherapy</i> , 1998, 32, 1368-1368.	0.9	11
69	Ultraviolet irradiation increases FADD protein in apoptotic human keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 290-295.	1.0	11
70	Sudden whitening of the hair in an 82-year-old woman: the “overnight greying”™ phenomenon. <i>Clinical and Experimental Dermatology</i> , 2012, 37, 458-459.	0.6	10
71	Estimation of individual cumulative ultraviolet exposure using a geographically-adjusted, openly-accessible tool. <i>BMC Dermatology</i> , 2016, 16, 1.	2.1	10
72	Langerhans cells, keratinocytes, nitric oxide and psoriasis. <i>Trends in Immunology</i> , 1998, 19, 427.	7.5	9

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73	A comparison of the effect of indoor thermal and humidity condition on young and older adults' comfort and skin condition in winter. <i>Indoor and Built Environment</i> , 2022, 31, 759-776.	1.5	9
74	Contact dermatitis from cotoneaster. <i>Contact Dermatitis</i> , 1996, 34, 433-434.	0.8	8
75	Pregnancy outcome and ultraviolet radiation; A systematic review. <i>Environmental Research</i> , 2017, 155, 335-343.	3.7	8
76	Bullous Diseases. <i>Current Problems in Dermatology</i> , 2018, 53, 64-69.	0.8	8
77	Transmission of <i>trichophyton interdigitale</i> via an intermediate plant host. <i>British Journal of Dermatology</i> , 1996, 135, 656-657.	1.4	7
78	Analytical Measurements of Natural Lead Radiations. <i>Health Physics</i> , 1981, 41, 15-22.	0.3	6
79	Modelling Blood Flow Regulation by Nitric Oxide in Psoriatic Plaques. <i>Bulletin of Mathematical Biology</i> , 2002, 64, 623-641.	0.9	6
80	Can the Cellular Internalization of Cargo Proteins Be Enhanced by Fusing a Tat Peptide in the Center of Proteins? A Fluorescence Study. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 879-886.	1.6	6
81	Rash morphology as a predictor of COVID-19 severity: A systematic review of the cutaneous manifestations of COVID-19. <i>Skin Health and Disease</i> , 2022, 2, .	0.7	6
82	Beneficial Effects of Sunlight May Account for the Correlation Between Serum Vitamin D Levels and Cardiovascular Health. <i>JAMA Cardiology</i> , 2020, 5, 109.	3.0	5
83	Higher Sun Exposure in the First Trimester Is Associated With Reduced Preterm Birth; A Scottish Population Cohort Study Using Linked Maternity and Meteorological Records. <i>Frontiers in Reproductive Health</i> , 2021, 3, .	0.6	5
84	Water tester's dermatitis due to a para-phenylenediamine derivative. <i>Contact Dermatitis</i> , 1996, 34, 138-138.	0.8	4
85	Correspondence on "Seasonal variation in blood pressure: evidence, consensus and recommendations for clinical practice. Consensus statement by the ESH Working Group on Blood Pressure Monitoring and Cardiovascular Variability". <i>Journal of Hypertension</i> , 2020, 38, 2077-2079.	0.3	4
86	Risks and Benefits of UV Radiation. <i>Current Problems in Dermatology</i> , 2021, 55, 329-338.	0.8	4
87	Skin cancer as a marker of sun exposure. <i>International Journal of Epidemiology</i> , 2014, 43, 1991-1991.	0.9	3
88	PSS44 - AN EVALUATION OF THE CURRENT TREATMENT PATHWAYS AND ASSOCIATED NHS RESOURCE USE FOR THE MANAGEMENT OF UNCONTROLLED MODERATE-TO-SEVERE ATOPIC DERMATITIS IN SECONDARY CARE. <i>Value in Health</i> , 2018, 21, S430.	0.1	2
89	Metabolic dysfunction induced by a high-fat diet modulates hematopoietic stem and myeloid progenitor cells in brown adipose tissue of mice. <i>Immunology and Cell Biology</i> , 2021, 99, 749-766.	1.0	2
90	Microbial Communities on Human Tissues; An Important Source of Contaminants in Plant Tissue Cultures. <i>Developments in Plant Pathology</i> , 1997, , 245-257.	0.1	2

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91	Endobronchial involvement in a patient presenting with cutaneous sarcoid. <i>Clinical and Experimental Dermatology</i> , 1996, 21, 239-240.	0.6	1
92	O65. Arginase enzyme is overactive in non-lesional psoriatic skin. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 35.	1.2	1
93	Comment: Can cosmetics keep us forever young?. <i>New Scientist</i> , 2008, 198, 18.	0.0	1
94	Hyperhidrotic and control subjects have similar sweating responses to pilocarpine administration. <i>Journal of the American Academy of Dermatology</i> , 2011, 64, 603-604.	0.6	1
95	The prodigal sun. <i>New Scientist</i> , 2015, 226, 26-27.	0.0	1
96	Nitric oxide and inflammatory disorders of the skin. , 2001, , 179-190.		1
97	Acute Whole-Body UVA Irradiation Combined with Nitrate Ingestion Enhances Cycling Performance in Trained Cyclists.. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 131.	0.2	1
98	Fuzzy math. <i>Journal of the American Academy of Dermatology</i> , 2003, 49, 775.	0.6	0
99	Correction to: <i>Journal of Investigative Dermatology</i> (2008) 128, 352â€“360; doi: 10.1038/sj.jid.5701096. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2546.	0.3	0
100	O47. Nitric oxide and the skin: a dermatologistâ€™s perspective. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 30-31.	1.2	0
101	GP dermatology: â€˜Therapy sails on the wind of diagnosisâ€™. <i>The Prescriber</i> , 2009, 20, 7-8.	0.1	0
102	Beware the rise of commercial "mole checking" shops on high streets. <i>BMJ, The</i> , 2013, 347, f4724-f4724.	3.0	0
103	The Effects Of Whole-body Uva Irradiation And Nitrate Ingestion On Vascular Function In Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 751.	0.2	0
104	The effect of ultraviolet radiation on birth weights and gestational length in a scottish birth cohort. <i>International Journal of Population Data Science</i> , 2017, 1, .	0.1	0
105	Bilateral agminated skin-colored papules and nodules on the dorsum of the hands. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , 2019, 85, 192.	0.2	0
106	A Real-World Data Study on the Healthcare Resource Use for Uncontrolled Moderate-to-Severe Atopic Dermatitis in Secondary Care in the United Kingdom Prior to the Introduction of Biologic Treatment. <i>ClinicoEconomics and Outcomes Research</i> , 2022, Volume 14, 167-177.	0.7	0