Scott Byrne

List of Publications by Year
in descending order

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86 papers	3,020 citations	136740 32 h-index	182168 51 g-index
88 all docs	88 docs citations	88 times ranked	3296 citing authors

#	Article	IF	Citations
1	Neutrophil Extracellular Trap Density Increases With Increasing Histopathological Severity of Crohnâ€™s Disease. Inflammatory Bowel Diseases, 2022, 28, 586-598.	0.9	18
2	OMIP 082: A <scp>25â€color</scp> phenotyping to define human innate lymphoid cells, natural killer cells, mucosalâ€associated invariant T cells, and Î³Î´ T cells from freshly isolated human intestinal tissue. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 196-202.	1.1	3
3	Circulating Memory B Cells in Early Multiple Sclerosis Exhibit Increased IgA+ Cells, Globally Decreased BAFF-R Expression and an EBV-Related IgM+ Cell Signature. Frontiers in Immunology, 2022, 13, 812317.	2.2	10
4	HIV transmitting mononuclear phagocytes; integrating the old and new. Mucosal Immunology, 2022, 15, 542-550.	2.7	8
5	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. Photochemical and Photobiological Sciences, 2022, 21, 275-301.	1.6	40
6	GRAPPA 2020 Research Award Recipients. Journal of Rheumatology, 2022, , jrheum.211335.	1.0	0
7	Peripheral Bâ€cell dysregulation is associated with relapse after longâ€term quiescence in patients with multiple sclerosis. Immunology and Cell Biology, 2022, 100, 453-467.	1.0	13
8	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. Photochemical and Photobiological Sciences, 2021, 20, 1-67.	1.6	93
9	Human anogenital monocyte-derived dendritic cells and langerin+cDC2 are major HIV target cells. Nature Communications, 2021, 12, 2147.	5.8	30
10	Expression of CYP24A1 and other multiple sclerosis risk genes in peripheral blood indicates response to vitamin D in homeostatic and inflammatory conditions. Genes and Immunity, 2021, 22, 227-233.	2.2	3
11	Exposure to Systemic Immunosuppressive Ultraviolet Radiation Alters T Cell Recirculation through Sphingosine-1-Phosphate. Journal of Immunology, 2021, 207, 2278-2287.	0.4	5
12	Optimal Isolation Protocols for Examining and Interrogating Mononuclear Phagocytes From Human Intestinal Tissue. Frontiers in Immunology, 2021, 12, 727952.	2.2	7
13	Solar UVR and Variations in Systemic Immune and Inflammation Markers. JID Innovations, 2021, 1, 100055.	1.2	2
14	Selective modulation of trans-endothelial migration of lymphocyte subsets in multiple sclerosis patients under fingolimod treatment. Journal of Neuroimmunology, 2020, 349, 577392.	1.1	13
15	Narrowband UVB phototherapy reduces TNF production by Bâ€cell subsets stimulated via TLR7 from individuals with early multiple sclerosis. Clinical and Translational Immunology, 2020, 9, e1197.	1.7	11
16	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. Photochemical and Photobiological Sciences, 2020, 19, 542-584.	1.6	59
17	Lipids in ultraviolet radiation-induced immune modulation. Photochemical and Photobiological Sciences, 2020, 19, 870-878.	1.6	11
18	B Cell-Targeted Immunotherapy Limits Tumor Growth, Enhances Survival, and Prevents Lymph Node Metastasis of UV-Induced Keratinocyte Cancers in Mice. Journal of Investigative Dermatology, 2020, 140, 1459-1463.	0.3	7

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19	IgG 3 + B cells are associated with the development of multiple sclerosis. Clinical and Translational Immunology, 2020, 9, e01133.	1.7	23
20	Mass cytometry provides unprecedented insight into the role of B cells during the pathogenesis of multiple sclerosis. Advances in Clinical Neuroscience & Rehabilitation: ACNR, 2020, 19, 12-14.	0.1	0
21	Exposure to Ultraviolet Radiation in the Modulation of Human Diseases. Annual Review of Pathology: Mechanisms of Disease, 2019, 14, 55-81.	9.6	84
22	Mass Cytometry Discovers Two Discrete Subsets of CD39â^'Treg Which Discriminate MGUS From Multiple Myeloma. Frontiers in Immunology, 2019, 10, 1596.	2.2	18
23	Mass Cytometry Reveals a Sustained Reduction in CD16+ Natural Killer Cells Following Chemotherapy in Colorectal Cancer Patients. Frontiers in Immunology, 2019, 10, 2584.	2.2	9
24	Short-term changes in frequencies of circulating leukocytes associated with narrowband UVB phototherapy in people with clinically isolated syndrome. Scientific Reports, 2019, 9, 7980.	1.6	16
25	Exposure to solar ultraviolet radiation limits diet-induced weight gain, increases liver triglycerides and prevents the early signs of cardiovascular disease in mice. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 633-638.	1.1	17
26	Synthesis of a Self-Adjuvanting MUC1 VaccineviaDiselenide-Selenoester Ligation-Deselenization. ACS Chemical Biology, 2018, 13, 3279-3285.	1.6	29
27	A randomised, controlled clinical trial of narrowband UVB phototherapy for clinically isolated syndrome: The PhoCIS study. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2018, 4, 205521731877311.	0.5	28
28	Higher Serum Immunoglobulin G3 Levels May Predict the Development of Multiple Sclerosis in Individuals With Clinically Isolated Syndrome. Frontiers in Immunology, 2018, 9, 1590.	2.2	30
29	Tryptophan and arginine catabolic enzymes and regulatory cytokines in clinically isolated syndrome and multiple sclerosis. Clinical and Translational Immunology, 2018, 7, e1037.	1.7	8
30	Altered regulatory Tâ€cell fractions and Helios expression in clinically isolated syndrome: clues to the development of multiple sclerosis. Clinical and Translational Immunology, 2017, 6, e143.	1.7	33
31	Detection of Infiltrating Mast Cells Using a Modified Toluidine Blue Staining. Methods in Molecular Biology, 2017, 1627, 213-222.	0.4	26
32	Does sunlight protect us from cancer?. Photochemical and Photobiological Sciences, 2017, 16, 416-425.	1.6	4
33	Evolving Identification of Blood Cells Associated with Clinically Isolated Syndrome: Importance of Time since Clinical Presentation and Diagnostic MRI. International Journal of Molecular Sciences, 2017, 18, 1277.	1.8	9
34	The Skin Microbiome: Is It Affected by UV-induced Immune Suppression?. Frontiers in Microbiology, 2016, 7, 1235.	1.5	88
35	UV-Induced Chemokines as Emerging Targets for Skin Cancer Photochemoprevention. , 2016, , 211-234.		1
36	Desired response to phototherapy vs photoaggravation in psoriasis: what makes the difference?. Experimental Dermatology, 2016, 25, 937-944.	1.4	34

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37	B cells are required for sunlight protection of mice from a CNS-targeted autoimmune attack. Journal of Autoimmunity, 2016, 73, 10-23.	3.0	19
38	Serotonin signalling is crucial in the induction of <scp>PUVA</scp>â€induced systemic suppression of delayedâ€type hypersensitivity but not local apoptosis or inflammation of the skin. Experimental Dermatology, 2016, 25, 537-543.	1.4	11
39	Plasma levels of endothelial and B-cell-derived microparticles are restored by fingolimod treatment in multiple sclerosis patients. Multiple Sclerosis Journal, 2016, 22, 1883-1887.	1.4	27
40	Levels and function of regulatory T cells in patients with polymorphic light eruption: relation to photohardening. British Journal of Dermatology, 2015, 173, 519-526.	1.4	46
41	Lichtbedingte SchÃdigungen: Vorboten von aktinischer Keratose und frÃ¼hem Plattenepithelkarzinom. Karger Kompass Dermatologie, 2015, 3, 16-20.	0.0	0
42	Synthetic self-adjuvanting glycopeptide cancer vaccines. Frontiers in Chemistry, 2015, 3, 60.	1.8	50
43	The alternative complement component factor B regulates UV-induced oedema, systemic suppression of contact and delayed hypersensitivity, and mast cell infiltration into the skin. Photochemical and Photobiological Sciences, 2015, 14, 801-806.	1.6	10
44	Photoimmunology and Multiple Sclerosis. Current Topics in Behavioral Neurosciences, 2015, 26, 117-141.	0.8	5
45	Mast cells are required for phototolerance induction and scratching abatement. Experimental Dermatology, 2015, 24, 491-496.	1.4	18
46	Ultraviolet radiation, vitamin D and multiple sclerosis. Neurodegenerative Disease Management, 2015, 5, 413-424.	1.2	71
47	Photodamage: All Signs Lead to Actinic Keratosis and Early Squamous Cell Carcinoma. Current Problems in Dermatology, 2014, 46, 14-19.	0.8	5
48	AMD3100 protects from UV-induced skin cancer. OncoImmunology, 2014, 3, e27562.	2.1	13
49	Pharmacologically Antagonizing the CXCR4-CXCL12 Chemokine Pathway with AMD3100 Inhibits Sunlight-Induced Skin Cancer. Journal of Investigative Dermatology, 2014, 134, 1091-1100.	0.3	54
50	Surface antigen profiles of leukocytes and melanoma cells in lymph node metastases are associated with survival in AJCC stage III melanoma patients. Clinical and Experimental Metastasis, 2014, 31, 407-421.	1.7	6
51	Photohardening of polymorphic light eruption patients decreases baseline epidermal <scp>L</scp>angerhans cell density while increasing mast cell numbers in the papillary dermis. Experimental Dermatology, 2014, 23, 428-430.	1.4	25
52	An Unexpected Role: UVA-Induced Release of Nitric Oxide from Skin May Have Unexpected Health Benefits. Journal of Investigative Dermatology, 2014, 134, 1791-1794.	0.3	19
53	Synthesis and immunological evaluation of self-adjuvanting MUC1-macrophage activating lipopeptide 2 conjugate vaccine candidates. Chemical Communications, 2014, 50, 10273-10276.	2.2	44
54	How much sunlight is enough?. Photochemical and Photobiological Sciences, 2014, 13, 840-852.	1.6	17

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55	Polymorphous Light Eruption. Dermatologic Clinics, 2014, 32, 315-334.	1.0	79
56	Inhibition of <scp>UV</scp>â€induced uric acid production using <scp>A</scp>llopurinol prevents suppression of the contact hypersensitivity response. Experimental Dermatology, 2013, 22, 189-194.	1.4	11
57	The Immunologic Revolution: Photoimmunology. Journal of Investigative Dermatology, 2012, 132, 896-905.	0.3	93
58	Dermal mast cells affect the development of sunlightâ€induced skin tumours. Experimental Dermatology, 2012, 21, 241-248.	1.4	39
59	Patients with polymorphic light eruption have decreased serum levels of 25-hydroxyvitamin-D3 that increase upon 311 nm UVB photohardening. Photochemical and Photobiological Sciences, 2012, 11, 1831-1836.	1.6	26
60	The suppressive effects of ultraviolet radiation on immunity in the skin and internal organs: Implications for autoimmunity. Journal of Dermatological Science, 2012, 66, 176-182.	1.0	42
61	Phototherapeutic hardening modulates systemic cytokine levels in patients with polymorphic light eruption. Photochemical and Photobiological Sciences, 2012, 12, 166-173.	1.6	27
62	The Immune-Modulating Cytokine and Endogenous Alarmin Interleukin-33 Is Upregulated in Skin Exposed to Inflammatory UVB Radiation. American Journal of Pathology, 2011, 179, 211-222.	1.9	104
63	Ultraviolet A Radiation: Its Role in Immunosuppression and Carcinogenesis. Seminars in Cutaneous Medicine and Surgery, 2011, 30, 214-221.	1.6	86
64	Randomized double-blinded placebo-controlled intra-individual trial on topical treatment with a 1,25-dihydroxyvitamin D3 analogue in polymorphic light eruption. British Journal of Dermatology, 2011, 165, 152-163.	1.4	56
65	Photohardening restores the impaired neutrophil responsiveness to chemoattractants leukotriene B4 and formyl-methionyl-leucyl-phenylalanin in patients with polymorphic light eruption. Experimental Dermatology, 2011, 20, 473-476.	1.4	14
66	Murine epidermal Langerhans cells and keratinocytes express functional P2X₇ receptors. Experimental Dermatology, 2010, 19, e151-7.	1.4	27
67	The Alternative Complement Pathway Seems to be a UVA Sensor that Leads to Systemic Immunosuppression. Journal of Investigative Dermatology, 2009, 129, 2694-2701.	0.3	31
68	New insights into the mechanisms of polymorphic light eruption: resistance to ultraviolet radiationâ€induced immune suppression as an aetiological factor. Experimental Dermatology, 2009, 18, 350-356.	1.4	51
69	Chemokines and cardiac fibrosis. Frontiers in Bioscience - Elite, 2009, 1, 391.	0.9	10
70	TGFÎ² is responsible for skin tumour infiltration by macrophages enabling the tumours to escape immune destruction. Immunology and Cell Biology, 2008, 86, 92-97.	1.0	54
71	The effects of sunlight on the skin. Drug Discovery Today Disease Mechanisms, 2008, 5, e201-e209.	0.8	34
72	Ultraviolet B Suppresses Immunity by Inhibiting Effector and Memory T Cells. American Journal of Pathology, 2008, 172, 993-1004.	1.9	79

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73	Mast Cell Migration from the Skin to the Draining Lymph Nodes upon Ultraviolet Irradiation Represents a Key Step in the Induction of Immune Suppression. Journal of Immunology, 2008, 180, 4648-4655.	0.4	140
74	Dermal Dendritic Cells, and Not Langerhans Cells, Play an Essential Role in Inducing an Immune Response. Journal of Immunology, 2008, 180, 3057-3064.	0.4	91
75	Platelet-Activating Factor Is Crucial in Psoralen and Ultraviolet A-Induced Immune Suppression, Inflammation, and Apoptosis. American Journal of Pathology, 2006, 169, 795-805.	1.9	95
76	The induction of immunity to a protein antigen using an adjuvant is significantly compromised by ultraviolet A radiation. Journal of Photochemistry and Photobiology B: Biology, 2006, 84, 128-134.	1.7	20
77	A Role for Inflammatory Mediators in the Induction of Immunoregulatory B Cells. Journal of Immunology, 2006, 177, 4810-4817.	0.4	76
78	Ultraviolet B but Not A Radiation Activates Suppressor B Cells in Draining Lymph Nodes. Photochemistry and Photobiology, 2005, 81, 1366.	1.3	28
79	B Cells Activated in Lymph Nodes in Response to Ultraviolet Irradiation or by Interleukin-10 Inhibit Dendritic Cell Induction of Immunity. Journal of Investigative Dermatology, 2005, 124, 570-578.	0.3	101
80	Transforming growth factor-Î²1 immobilises dendritic cells within skin tumours and facilitates tumour escape from the immune system. Cancer Immunology, Immunotherapy, 2005, 54, 898-906.	2.0	70
81	The suppression of immunity by ultraviolet radiation: UVA, nitric oxide and DNA damage. Photochemical and Photobiological Sciences, 2004, 3, 736.	1.6	46
82	High levels of Fas ligand and MHC class II in the absence of CD80 or CD86 expression and a decreased CD4+ T cell Infiltration, enables murine skin tumours to progress. Cancer Immunology, Immunotherapy, 2003, 52, 396-402.	2.0	34
83	Phagocytosis by dendritic cells rather than MHC IIhigh macrophages is associated with skin tumour regression. International Journal of Cancer, 2003, 106, 736-744.	2.3	19
84	Ultraviolet A Irradiation of C57BL/6 Mice Suppresses Systemic Contact Hypersensitivity or Enhances Secondary Immunity Depending on Dose. Journal of Investigative Dermatology, 2002, 119, 858-864.	0.3	67
85	Dendritic cells: Making progress with tumour regression?. Immunology and Cell Biology, 2002, 80, 520-530.	1.0	25
86	Interleukin-1Î² But Not Tumor Necrosis Factor is Involved in West Nile Virus-Induced Langerhans Cell Migration from the Skin in C57BL/6 Mice. Journal of Investigative Dermatology, 2001, 117, 702-709.	0.3	114