

Derek C Macallan

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,213
citations

159573

30
h-index

128286

60
g-index

64
all docs

64
docs citations

64
times ranked

6332
citing authors

#	ARTICLE	IF	CITATIONS
1	The fate and lifespan of human monocyte subsets in steady state and systemic inflammation. <i>Journal of Experimental Medicine</i> , 2017, 214, 1913-1923.	8.5	725
2	Human CD4+ CD25hi Foxp3+ regulatory T cells are derived by rapid turnover of memory populations in vivo. <i>Journal of Clinical Investigation</i> , 2006, 116, 2423-2433.	8.2	425
3	Energy Expenditure and Wasting in Human Immunodeficiency Virus Infection. <i>New England Journal of Medicine</i> , 1995, 333, 83-88.	27.0	369
4	<i>In vivo</i> kinetics of human natural killer cells: the effects of ageing and acute and chronic viral infection. <i>Immunology</i> , 2007, 121, 258-265.	4.4	257
5	Human neutrophil kinetics: modeling of stable isotope labeling data supports short blood neutrophil half-lives. <i>Blood</i> , 2016, 127, 3431-3438.	1.4	199
6	Rapid Turnover of Effector Memory CD4+ T Cells in Healthy Humans. <i>Journal of Experimental Medicine</i> , 2004, 200, 255-260.	8.5	176
7	B-cell kinetics in humans: rapid turnover of peripheral blood memory cells. <i>Blood</i> , 2005, 105, 3633-3640.	1.4	155
8	Malnutrition in tuberculosis. <i>Diagnostic Microbiology and Infectious Disease</i> , 1999, 34, 153-157.	1.8	137
9	Measurement and modeling of human T cell kinetics. <i>European Journal of Immunology</i> , 2003, 33, 2316-2326.	2.9	114
10	Lymphocyte kinetics: the interpretation of labelling data. <i>Trends in Immunology</i> , 2002, 23, 596-601.	6.8	106
11	<i>In vivo</i> T lymphocyte dynamics in humans and the impact of human T-lymphotropic virus 1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8035-8040.	7.1	105
12	Direct Measurement of T Cell Subset Kinetics In Vivo in Elderly Men and Women. <i>Journal of Immunology</i> , 2004, 173, 1787-1794.	0.8	104
13	Tuberculosis, malnutrition and wasting. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2000, 3, 285-291.	2.5	90
14	Whole Body Protein Metabolism in Human Pulmonary Tuberculosis and Undernutrition: Evidence for Anabolic Block in Tuberculosis. <i>Clinical Science</i> , 1998, 94, 321-331.	4.3	89
15	Wasting in HIV Infection and AIDS. <i>Journal of Nutrition</i> , 1999, 129, 238S-242S.	2.9	77
16	Human Stem Cell-like Memory T Cells Are Maintained in a State of Dynamic Flux. <i>Cell Reports</i> , 2016, 17, 2811-2818.	6.4	67
17	Nutrient partitioning during treatment of tuberculosis: gain in body fat mass but not in protein mass. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 1006-1012.	4.7	56
18	Human cytomegalovirus-specific CD8+ T-cell expansions contain long-lived cells that retain functional capacity in both young and elderly subjects. <i>Immunology</i> , 2011, 132, 27-38.	4.4	56

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19	Valproate synergizes with purine nucleoside analogues to induce apoptosis of B-chronic lymphocytic leukaemia cells. <i>British Journal of Haematology</i> , 2009, 144, 41-52.	2.5	47
20	Human TSCM cell dynamics in vivo are compatible with long-lived immunological memory and stemness. <i>PLoS Biology</i> , 2018, 16, e2005523.	5.6	46
21	Inhibitory killer cell immunoglobulin-like receptors strengthen CD8 ⁺ T cell-mediated control of HIV-1, HCV, and HTLV-1. <i>Science Immunology</i> , 2018, 3, .	11.9	43
22	Leptin and energy metabolism in pulmonary tuberculosis. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 392-398.	4.7	42
23	Rapid turnover of T cells in acute infectious mononucleosis. <i>European Journal of Immunology</i> , 2003, 33, 2655-2665.	2.9	41
24	Reduction of B cell turnover in chronic lymphocytic leukaemia. <i>British Journal of Haematology</i> , 2008, 143, 240-247.	2.5	39
25	Measurement of proliferation and disappearance of rapid turnover cell populations in human studies using deuterium-labeled glucose. <i>Nature Protocols</i> , 2009, 4, 1313-1327.	12.0	39
26	Identification of immune correlates of fatal outcomes in critically ill COVID-19 patients. <i>PLoS Pathogens</i> , 2021, 17, e1009804.	4.7	39
27	Treatment of Altered Body Composition in HIV-Associated Lipodystrophy: Comparison of Rosiglitazone, Pravastatin, and Recombinant Human Growth Hormone. <i>HIV Clinical Trials</i> , 2008, 9, 254-268.	2.0	37
28	Hypercalcemia: A Manifestation of Immune Reconstitution Complicating Tuberculosis in an HIV-Infected Person. <i>Clinical Infectious Diseases</i> , 2004, 38, 154-155.	5.8	35
29	Measurement of Ribosomal RNA Turnover In Vivo by Use of Deuterium-Labeled Glucose. <i>Clinical Chemistry</i> , 2009, 55, 1824-1833.	3.2	35
30	Lymphocyte kinetics in health and disease. <i>Trends in Immunology</i> , 2009, 30, 182-189.	6.8	33
31	Interactive clinical case reports. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2000, 94, 353-356.	1.8	31
32	A model of clinical problem-based learning for clinical attachments in medicine. <i>Medical Education</i> , 2009, 43, 799-807.	2.1	31
33	Wasting and obesity in HIV outpatients. <i>Aids</i> , 2001, 15, 2341-2342.	2.2	28
34	Nutrition and immune function in human immunodeficiency virus infection. <i>Proceedings of the Nutrition Society</i> , 1999, 58, 743-748.	1.0	27
35	Automated erythrocytapheresis in the treatment of severe falciparum malaria. <i>Journal of Infection</i> , 1999, 39, 233-236.	3.3	26
36	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses. <i>JCI Insight</i> , 2022, 7, .	5.0	24

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37	Current estimates of T cell kinetics in humans. <i>Current Opinion in Systems Biology</i> , 2019, 18, 77-86.	2.6	23
38	Increasing Obesity in Treated Female HIV Patients from Sub-Saharan Africa: Potential Causes and Possible Targets for Intervention. <i>Frontiers in Immunology</i> , 2014, 5, 507.	4.8	22
39	Determinants of energy intake and energy expenditure in HIV and AIDS. <i>Nutrition</i> , 2000, 16, 101-106.	2.4	19
40	CD57+ Memory T Cells Proliferate In Vivo. <i>Cell Reports</i> , 2020, 33, 108501.	6.4	18
41	Reconciling Estimates of Cell Proliferation from Stable Isotope Labeling Experiments. <i>PLoS Computational Biology</i> , 2015, 11, e1004355.	3.2	17
42	Measuring lymphocyte kinetics in tropical field settings. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2005, 99, 675-685.	1.8	15
43	Infection and malnutrition. <i>Medicine</i> , 2009, 37, 525-528.	0.4	15
44	Quantitating Lymphocyte Homeostasis In Vivo in Humans Using Stable Isotope Tracers. <i>Methods in Molecular Biology</i> , 2013, 979, 107-131.	0.9	15
45	Protection Versus Pathology in Aviremic and High Viral Load HIV-2 Infection—The Pivotal Role of Immune Activation and T-cell Kinetics. <i>Journal of Infectious Diseases</i> , 2014, 210, 752-761.	4.0	15
46	Metabolic abnormalities and wasting in human immunodeficiency virus infection. <i>Proceedings of the Nutrition Society</i> , 1998, 57, 373-380.	1.0	13
47	Physiologically Based Simulations of Deuterated Glucose for Quantifying Cell Turnover in Humans. <i>Frontiers in Immunology</i> , 2017, 8, 474.	4.8	13
48	Metabolic Syndromes in Human Immunodeficiency Virus Infection. <i>Hormone Research in Paediatrics</i> , 2001, 55, 36-41.	1.8	10
49	Long-term effects of perinatal nutrition on T lymphocyte kinetics in young Gambian men. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 480-487.	4.7	10
50	Accelerated In Vivo Proliferation of Memory Phenotype CD4+ T-cells in Human HIV-1 Infection Irrespective of Viral Chemokine Co-receptor Tropism. <i>PLoS Pathogens</i> , 2013, 9, e1003310.	4.7	10
51	Selenium supplementation and selenoenzyme activity. <i>Clinical Science</i> , 2000, 99, 579-581.	4.3	8
52	Malnutrition and infection. <i>Medicine</i> , 2005, 33, 14-16.	0.4	7
53	Measurement of Proliferation and Disappearance of Regulatory T Cells in Human Studies Using Deuterium-Labeled Glucose. <i>Methods in Molecular Biology</i> , 2011, 707, 243-261.	0.9	7
54	Blood volume and red cell mass in children with moderate and severe malaria measured by chromium-53 dilution and gas chromatography/mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2467-2475.	1.5	6

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55	The Rules of Human T Cell Fate in vivo. <i>Frontiers in Immunology</i> , 2020, 11, 573.	4.8	5
56	Use of BCG vaccination. <i>Lancet</i> , The, 2000, 356, 1609-1610.	13.7	4
57	<i>In vivo</i> ribosomal RNA turnover is downregulated in leukaemic cells in chronic lymphocytic leukaemia. <i>British Journal of Haematology</i> , 2010, 151, 192-195.	2.5	4
58	Lymphocyte activity and protein synthesis. <i>Clinical Science</i> , 2001, 101, 591-592.	4.3	3
59	Metabolic abnormalities and the "wasting syndrome" in HIV infection. <i>Nutrition</i> , 1996, 12, 641-642.	2.4	2
60	Treatment of tuberculosis in HIV-infected individuals. <i>Aids</i> , 2002, 16, 1569-1570.	2.2	2
61	Therapy for HIV: Restoring the Balance?. <i>Nutrition</i> , 1999, 15, 590-591.	2.4	0
62	Reduced expression of cell cycle-associated genes in B lymphocytes purified from the peripheral blood of early-stage B chronic lymphocytic leukaemia patients " response to diltiazem. <i>British Journal of Haematology</i> , 2009, 145, 426-428.	2.5	0
63	Facilitating studies of cell proliferation in chronic lymphocytic leukemia. <i>Leukemia Research</i> , 2010, 34, e273-e274.	0.8	0