

# Edward J Pearce

## List of Publications by Citations

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58

papers

13,644

citations

38

h-index

67

g-index

67

ext. papers

17,707

ext. citations

22.7

avg, IF

6.74

L-index

#	Paper	IF	Citations
58	Metabolic Competition in the Tumor Microenvironment Is a Driver of Cancer Progression. <i>Cell</i> , <b>2015</b> , 162, 1229-41	56.2	1457
57	Posttranscriptional control of T cell effector function by aerobic glycolysis. <i>Cell</i> , <b>2013</b> , 153, 1239-51	56.2	1238
56	Network integration of parallel metabolic and transcriptional data reveals metabolic modules that regulate macrophage polarization. <i>Immunity</i> , <b>2015</b> , 42, 419-30	32.3	933
55	Mitochondrial respiratory capacity is a critical regulator of CD8+ T cell memory development. <i>Immunity</i> , <b>2012</b> , 36, 68-78	32.3	918
54	Metabolic pathways in immune cell activation and quiescence. <i>Immunity</i> , <b>2013</b> , 38, 633-43	32.3	906
53	Immunometabolism governs dendritic cell and macrophage function. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 15-23	16.6	813
52	Toll-like receptor-induced changes in glycolytic metabolism regulate dendritic cell activation. <i>Blood</i> , <b>2010</b> , 115, 4742-9	2.2	746
51	Mitochondrial Dynamics Controls T Cell Fate through Metabolic Programming. <i>Cell</i> , <b>2016</b> , 166, 63-76	56.2	688
50	Cell-intrinsic lysosomal lipolysis is essential for alternative activation of macrophages. <i>Nature Immunology</i> , <b>2014</b> , 15, 846-55	19.1	624
49	TLR-driven early glycolytic reprogramming via the kinases TBK1-IKKe supports the anabolic demands of dendritic cell activation. <i>Nature Immunology</i> , <b>2014</b> , 15, 323-32	19.1	619
48	Itaconate Links Inhibition of Succinate Dehydrogenase with Macrophage Metabolic Remodeling and Regulation of Inflammation. <i>Cell Metabolism</i> , <b>2016</b> , 24, 158-66	24.6	581
47	Memory CD8(+) T cells use cell-intrinsic lipolysis to support the metabolic programming necessary for development. <i>Immunity</i> , <b>2014</b> , 41, 75-88	32.3	463
46	Commitment to glycolysis sustains survival of NO-producing inflammatory dendritic cells. <i>Blood</i> , <b>2012</b> , 120, 1422-31	2.2	362
45	Dendritic cell metabolism. <i>Nature Reviews Immunology</i> , <b>2015</b> , 15, 18-29	36.5	301
44	Metabolic Reprogramming Mediated by the mTORC2-IRF4 Signaling Axis Is Essential for Macrophage Alternative Activation. <i>Immunity</i> , <b>2016</b> , 45, 817-830	32.3	297
43	The Colonic Crypt Protects Stem Cells from Microbiota-Derived Metabolites. <i>Cell</i> , <b>2016</b> , 165, 1708-1720	56.2	292
42	Klf4 expression in conventional dendritic cells is required for T helper 2 cell responses. <i>Immunity</i> , <b>2015</b> , 42, 916-28	32.3	244

41	Type 1 Interferons Induce Changes in Core Metabolism that Are Critical for Immune Function. <i>Immunity</i> , <b>2016</b> , 44, 1325-36	32.3	162
40	Mitochondrial Priming by CD28. <i>Cell</i> , <b>2017</b> , 171, 385-397.e11	56.2	144
39	MenTORing Immunity: mTOR Signaling in the Development and Function of Tissue-Resident Immune Cells. <i>Immunity</i> , <b>2017</b> , 46, 730-742	32.3	132
38	Gata6 regulates aspartoacylase expression in resident peritoneal macrophages and controls their survival. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 1525-31	16.6	132
37	Inhibition of mechanistic target of rapamycin promotes dendritic cell activation and enhances therapeutic autologous vaccination in mice. <i>Journal of Immunology</i> , <b>2012</b> , 189, 2151-8	5.3	131
36	Metabolic interventions in the immune response to cancer. <i>Nature Reviews Immunology</i> , <b>2019</b> , 19, 324-335.5	35.5	121
35	Acetate Promotes T Cell Effector Function during Glucose Restriction. <i>Cell Reports</i> , <b>2019</b> , 27, 2063-2074.e5.6	35.6	116
34	Polyamines and eIF5A Hypusination Modulate Mitochondrial Respiration and Macrophage Activation. <i>Cell Metabolism</i> , <b>2019</b> , 30, 352-363.e8	24.6	115
33	Mitochondrial Integrity Regulated by Lipid Metabolism Is a Cell-Intrinsic Checkpoint for Treg Suppressive Function. <i>Cell Metabolism</i> , <b>2020</b> , 31, 422-437.e5	24.6	100
32	Metabolic control of dendritic cell activation and function: recent advances and clinical implications. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 203	8.4	94
31	Inflammatory macrophage dependence on NAD salvage is a consequence of reactive oxygen species-mediated DNA damage. <i>Nature Immunology</i> , <b>2019</b> , 20, 420-432	19.1	90
30	Mechanistic target of rapamycin inhibition extends cellular lifespan in dendritic cells by preserving mitochondrial function. <i>Journal of Immunology</i> , <b>2014</b> , 193, 2821-30	5.3	84
29	Migratory CD103+ dendritic cells suppress helminth-driven type 2 immunity through constitutive expression of IL-12. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 35-51	16.6	72
28	Ly6Chi monocyte recruitment is responsible for Th2 associated host-protective macrophage accumulation in liver inflammation due to schistosomiasis. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004282	7.6	60
27	Metabolic adaptations of tissue-resident immune cells. <i>Nature Immunology</i> , <b>2019</b> , 20, 793-801	19.1	58
26	Auto-aggressive CXCR6 CD8 T cells cause liver immune pathology in NASH. <i>Nature</i> , <b>2021</b> , 592, 444-449	50.4	56
25	SnapShot: Immunometabolism. <i>Cell Metabolism</i> , <b>2015</b> , 22, 190-190.e1	24.6	54
24	Immunometabolism in 2017: Driving immunity: all roads lead to metabolism. <i>Nature Reviews Immunology</i> , <b>2018</b> , 18, 81-82	36.5	50

23	Mitochondrial Membrane Potential Regulates Nuclear Gene Expression in Macrophages Exposed to Prostaglandin E2. <i>Immunity</i> , <b>2018</b> , 49, 1021-1033.e6	32.3	44
22	Triacylglycerol synthesis enhances macrophage inflammatory function. <i>Nature Communications</i> , <b>2020</b> , 11, 4107	17.4	43
21	IL-4-secreting secondary T follicular helper (Tfh) cells arise from memory T cells, not persisting Tfh cells, through a B cell-dependent mechanism. <i>Journal of Immunology</i> , <b>2015</b> , 194, 2999-3010	5.3	39
20	Metabolic conditioning of CD8 effector T cells for adoptive cell therapy. <i>Nature Metabolism</i> , <b>2020</b> , 2, 703-716	14.6	31
19	Microbiota-derived acetate enables the metabolic fitness of the brain innate immune system during health and disease. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2260-2276.e7	24.6	29
18	The metabolic control of schistosome egg production. <i>Cellular Microbiology</i> , <b>2015</b> , 17, 796-801	3.9	26
17	Metabolism and acetylation in innate immune cell function and fate. <i>Seminars in Immunology</i> , <b>2016</b> , 28, 408-416	10.7	26
16	Polyamine metabolism is a central determinant of helper T cell lineage fidelity. <i>Cell</i> , <b>2021</b> , 184, 4186-4203.e20	36.2	21
15	Cell-intrinsic metabolic regulation of mononuclear phagocyte activation: Findings from the tip of the iceberg. <i>Immunological Reviews</i> , <b>2020</b> , 295, 54-67	11.3	20
14	TPL-2 Regulates Macrophage Lipid Metabolism and M2 Differentiation to Control TH2-Mediated Immunopathology. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005783	7.6	18
13	The Transcriptional Repressor Polycomb Group Factor 6, PCGF6, Negatively Regulates Dendritic Cell Activation and Promotes Quiescence. <i>Cell Reports</i> , <b>2016</b> , 16, 1829-37	10.6	17
12	Metabolic orchestration of the wound healing response. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1726-1743	24.6	14
11	Infection-Induced Transcriptional Changes in Hepatic Macrophage Metabolism Correlate With an Athero-Protective Phenotype. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2580	8.4	13
10	Mitochondrial metabolism coordinates stage-specific repair processes in macrophages during wound healing. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2398-2414.e9	24.6	10
9	Dynamic Cardiolipin Synthesis Is Required for CD8 T Cell Immunity. <i>Cell Metabolism</i> , <b>2020</b> , 32, 981-995.e7	24.6	9
8	Treg Cells Survive and Thrive in Inhospitable Environments. <i>Cell Metabolism</i> , <b>2017</b> , 25, 1213-1215	24.6	7
7	Disrupting metabolism to treat autoimmunity. <i>Science</i> , <b>2018</b> , 360, 377-378	33.3	7
6	A common framework of monocyte-derived macrophage activation.. <i>Science Immunology</i> , <b>2022</b> , 7, eabl7482	48.2	3

- 5 Plasmacytoid dendritic cell activation is dependent on coordinated expression of distinct amino acid transporters. *Immunity*, **2021**, 54, 2514-2530.e7 32.3 2
- 4 Immunometabolism governs dendritic cell and macrophage function. *Journal of Cell Biology*, **2016**, 212, 2121OIA306 7.3 2
- 3 IL-33 expression in response to SARS-CoV-2 correlates with seropositivity in COVID-19 convalescent individuals 2
- 2 Intracellular infection and immune system cues rewire adipocytes to acquire immune function.. *Cell Metabolism*, **2022**, 34, 747-760.e6 24.6 2
- 1 For macrophages, Ndufs is enough. *Immunity*, **2014**, 41, 351-353 32.3 1