

# Lydia Lynch

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

3,506  
citations

28  
h-index

59  
g-index

59  
ext. papers

4,489  
ext. citations

13.8  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
46	Adipose tissue invariant NKT cells protect against diet-induced obesity and metabolic disorder through regulatory cytokine production. <i>Immunity</i> , <b>2012</b> , 37, 574-87	32.3	348
45	Regulatory iNKT cells lack expression of the transcription factor PLZF and control the homeostasis of T(reg) cells and macrophages in adipose tissue. <i>Nature Immunology</i> , <b>2015</b> , 16, 85-95	19.1	243
44	Metabolic reprogramming of natural killer cells in obesity limits antitumor responses. <i>Nature Immunology</i> , <b>2018</b> , 19, 1330-1340	19.1	229
43	Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. <i>Nature</i> , <b>2018</b> , 559, 637-641	50.4	210
42	Invariant NKT cells and CD1d(+) cells amass in human omentum and are depleted in patients with cancer and obesity. <i>European Journal of Immunology</i> , <b>2009</b> , 39, 1893-901	6.1	184
41	Clinical anxiety, cortisol and interleukin-6: evidence for specificity in emotion-biology relationships. <i>Brain, Behavior, and Immunity</i> , <b>2010</b> , 24, 1074-7	16.6	183
40	Srebp-controlled glucose metabolism is essential for NK cell functional responses. <i>Nature Immunology</i> , <b>2017</b> , 18, 1197-1206	19.1	165
39	T cells producing interleukin-17A regulate adipose regulatory T cell homeostasis and thermogenesis. <i>Nature Immunology</i> , <b>2018</b> , 19, 464-474	19.1	151
38	The relationship of omental and subcutaneous adipocyte size to metabolic disease in severe obesity. <i>PLoS ONE</i> , <b>2010</b> , 5, e9997	3.7	135
37	Interplay between the immune system and adipose tissue in obesity. <i>Journal of Endocrinology</i> , <b>2014</b> , 223, R41-8	4.7	134
36	Adipose Type One Innate Lymphoid Cells Regulate Macrophage Homeostasis through Targeted Cytotoxicity. <i>Immunity</i> , <b>2017</b> , 46, 273-286	32.3	116
35	Natural killer cells in obesity: impaired function and increased susceptibility to the effects of cigarette smoke. <i>PLoS ONE</i> , <b>2010</b> , 5, e8660	3.7	109
34	Glucagon-like peptide 1 analogue therapy directly modulates innate immune-mediated inflammation in individuals with type 2 diabetes mellitus. <i>Diabetologia</i> , <b>2014</b> , 57, 781-4	10.3	108
33	iNKT Cells Induce FGF21 for Thermogenesis and Are Required for Maximal Weight Loss in GLP1 Therapy. <i>Cell Metabolism</i> , <b>2016</b> , 24, 510-519	24.6	107
32	Adipose tissue inflammation in the pathogenesis of type 2 diabetes. <i>Current Diabetes Reports</i> , <b>2015</b> , 15, 92	5.6	103
31	Lactate-Mediated Acidification of Tumor Microenvironment Induces Apoptosis of Liver-Resident NK Cells in Colorectal Liver Metastasis. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 335-346	12.5	98
30	Altered distribution and increased IL-17 production by mucosal-associated invariant T cells in adult and childhood obesity. <i>Journal of Immunology</i> , <b>2015</b> , 194, 5775-80	5.3	93

29	Glucagon-like peptide-1 (GLP-1) and the regulation of human invariant natural killer T cells: lessons from obesity, diabetes and psoriasis. <i>Diabetologia</i> , <b>2011</b> , 54, 2745-54	10.3	89
28	Spinal cord injury-induced immunodeficiency is mediated by a sympathetic-neuroendocrine adrenal reflex. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1549-1559	25.5	76
27	Cells with haematopoietic stem cell phenotype in adult human endometrium: relevance to infertility?. <i>Human Reproduction</i> , <b>2007</b> , 22, 919-26	5.7	75
26	The A2aR adenosine receptor controls cytokine production in iNKT cells. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 682-7	6.1	64
25	Innate Immune Control of Adipose Tissue Homeostasis. <i>Trends in Immunology</i> , <b>2019</b> , 40, 857-872	14.4	59
24	Adipose invariant natural killer T cells. <i>Immunology</i> , <b>2014</b> , 142, 337-46	7.8	40
23	The transcriptional programs of iNKT cells. <i>Seminars in Immunology</i> , <b>2015</b> , 27, 26-32	10.7	39
22	Adipose tissue at the nexus of systemic and cellular immunometabolism. <i>Seminars in Immunology</i> , <b>2016</b> , 28, 431-440	10.7	37
21	Developing understanding of the roles of CD1d-restricted T cell subsets in cancer: reversing tumor-induced defects. <i>Clinical Immunology</i> , <b>2011</b> , 140, 184-95	9	36
20	$\Gamma$ cells in cancer: a small population of lymphocytes with big implications. <i>Clinical and Translational Immunology</i> , <b>2019</b> , 8, e01080	6.8	34
19	Endogenous oils derived from human adipocytes are potent adjuvants that promote IL-1 $\beta$ -dependent inflammation. <i>Diabetes</i> , <b>2014</b> , 63, 2037-50	0.9	32
18	Cancer, obesity and immunometabolism - Connecting the dots. <i>Cancer Letters</i> , <b>2018</b> , 417, 11-20	9.9	28
17	Detection and characterization of hemopoietic stem cells in the adult human small intestine. <i>Journal of Immunology</i> , <b>2006</b> , 176, 5199-204	5.3	27
16	Distinct metabolic programs established in the thymus control effector functions of $\Gamma$ cell subsets in tumor microenvironments. <i>Nature Immunology</i> , <b>2021</b> , 22, 179-192	19.1	26
15	Obesity Reduces mTORC1 Activity in Mucosal-Associated Invariant T Cells, Driving Defective Metabolic and Functional Responses. <i>Journal of Immunology</i> , <b>2019</b> , 202, 3404-3411	5.3	25
14	Cigarette smoke alters the invariant natural killer T cell function and may inhibit anti-tumor responses. <i>Clinical Immunology</i> , <b>2011</b> , 140, 229-35	9	24
13	UCP1 governs liver extracellular succinate and inflammatory pathogenesis. <i>Nature Metabolism</i> , <b>2021</b> , 3, 604-617	14.6	21
12	Distinct iNKT Cell Populations Use IFN $\gamma$ ER Stress-Induced IL-10 to Control Adipose Tissue Homeostasis. <i>Cell Metabolism</i> , <b>2020</b> , 32, 243-258.e6	24.6	18

11	New Job for NK Cells: Architects of the Tumor Microenvironment. <i>Immunity</i> , <b>2018</b> , 48, 9-11	32.3	6
10	Immune and non-immune functions of adipose tissue leukocytes. <i>Nature Reviews Immunology</i> , <b>2021</b> , ,	36.5	6
9	Cysteine 253 of UCP1 regulates energy expenditure and sex-dependent adipose tissue inflammation. <i>Cell Metabolism</i> , <b>2021</b> ,	24.6	6
8	KLF10 Deficiency in CD4 T Cells Triggers Obesity, Insulin Resistance, and Fatty Liver. <i>Cell Reports</i> , <b>2020</b> , 33, 108550	10.6	5
7	The therapeutic and prognostic implications of immunobiology in colorectal cancer: a review. <i>British Journal of Cancer</i> , <b>2021</b> , 125, 1341-1349	8.7	4
6	Transnuclear mice reveal Peyer's patch iNKT cells that regulate B-cell class switching to IgG1. <i>EMBO Journal</i> , <b>2019</b> , 38, e101260	13	2
5	Adipose Dendritic Cells Come Out of Hiding. <i>Cell Metabolism</i> , <b>2018</b> , 27, 485-486	24.6	2
4	Suppressive effects of the obese tumor microenvironment on CD8 T cell infiltration and effector function.. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	2
3	Diet, lipids, and antitumor immunity.. <i>Cellular and Molecular Immunology</i> , <b>2022</b> ,	15.4	2
2	Type II NKT Cell Agonist, Sulfatide, Is an Effective Adjuvant for Oral Heat-Killed Cholera Vaccines. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	2
1	High-Fat Diet Rapidly Modifies Trafficking, Phenotype, and Function of Plasmacytoid Dendritic Cells in Adipose Tissue.. <i>Journal of Immunology</i> , <b>2022</b> , 208, 1445-1455	5.3	1