

# Carey N Lumeng

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7325881/carey-n-lumeng-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

91  
papers

11,577  
citations

39  
h-index

95  
g-index

95  
ext. papers

13,581  
ext. citations

8.4  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
91	Human CD206+ macrophages associate with diabetes and adipose tissue lymphoid clusters.. <i>JCI Insight</i> , <b>2022</b> ,	9.9	2
90	Maternal High-Fat Diet During Pre-Conception and Gestation Predisposes Adult Female Offspring to Metabolic Dysfunction in Mice.. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 780300	5.7	1
89	Obesity results in adipose tissue T cell exhaustion. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	16
88	Myeloid interleukin-4 receptor $\beta$ s essential in postmyocardial infarction healing by regulating inflammation and fibrotic remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H323-H337	5.2	3
87	Pathways to Severe COVID-19 for People with Obesity. <i>Obesity</i> , <b>2021</b> , 29, 645-653	8	19
86	The human type 2 diabetes-specific visceral adipose tissue proteome and transcriptome in obesity. <i>Scientific Reports</i> , <b>2021</b> , 11, 17394	4.9	4
85	High-fat and high-sodium diet induces metabolic dysfunction in the absence of obesity. <i>Obesity</i> , <b>2021</b> , 29, 1868-1881	8	0
84	Viscoelastic characterization of diabetic and non-diabetic human adipose tissue. <i>Biorheology</i> , <b>2020</b> , 57, 15-26	1.7	2
83	Enhanced Myeloid Leukocytes in Obese Children and Adolescents at Risk for Metabolic Impairment. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 327	5.7	2
82	Adipose tissue dendritic cell signals are required to maintain T cell homeostasis and obesity-induced expansion. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 505, 110740	4.4	12
81	Weight Regain in Formerly Obese Mice Hastens Development of Hepatic Steatosis Due to Impaired Adipose Tissue Function. <i>Obesity</i> , <b>2020</b> , 28, 1086-1097	8	2
80	Cholesterol 25-hydroxylase (CH25H) as a promoter of adipose tissue inflammation in obesity and diabetes. <i>Molecular Metabolism</i> , <b>2020</b> , 39, 100983	8.8	12
79	Depot-specific adipocyte-extracellular matrix metabolic crosstalk in murine obesity. <i>Adipocyte</i> , <b>2020</b> , 9, 189-196	3.2	10
78	Wnt/ $\beta$ catenin signaling regulates adipose tissue lipogenesis and adipocyte-specific loss is rigorously defended by neighboring stromal-vascular cells. <i>Molecular Metabolism</i> , <b>2020</b> , 42, 101078	8.8	14
77	Regulation of adipose tissue inflammation and systemic metabolism in murine obesity by polymer implants loaded with lentiviral vectors encoding human interleukin-4. <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 3891-3901	4.9	2
76	Acute Aerobic Exercise Remodels the Adipose Tissue Progenitor Cell Phenotype in Obese Adults. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 903	4.6	7
75	Elucidating nanoscale mechanical properties of diabetic human adipose tissue using atomic force microscopy. <i>Scientific Reports</i> , <b>2020</b> , 10, 20423	4.9	2

74	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. <i>Molecular Cell</i> , <b>2019</b> , 75, 644-660.e5	17.6	218
73	A Human 3D Extracellular Matrix-Adipocyte Culture Model for Studying Matrix-Cell Metabolic Crosstalk. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	2
72	Advanced glycation end-products regulate extracellular matrix-adipocyte metabolic crosstalk in diabetes. <i>Scientific Reports</i> , <b>2019</b> , 9, 19748	4.9	14
71	3266 Understanding epicardial adipose biology by imaging, transcriptomic, and lipidomic profiling. <i>Journal of Clinical and Translational Science</i> , <b>2019</b> , 3, 157-158	0.4	78
70	GM-CSF Administration Improves Defects in Innate Immunity and Sepsis Survival in Obese Diabetic Mice. <i>Journal of Immunology</i> , <b>2019</b> , 202, 931-942	5.3	11
69	Frontline Science: Rapid adipose tissue expansion triggers unique proliferation and lipid accumulation profiles in adipose tissue macrophages. <i>Journal of Leukocyte Biology</i> , <b>2018</b> , 103, 615-628	6.5	25
68	TLR4, TRIF, and MyD88 are essential for myelopoiesis and CD11c adipose tissue macrophage production in obese mice. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 8775-8786	5.4	40
67	Water-fat magnetic resonance imaging quantifies relative proportions of brown and white adipose tissues: experiments. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 024007	2.6	2
66	The IKK-related kinase TBK1 activates mTORC1 directly in response to growth factors and innate immune agonists. <i>EMBO Journal</i> , <b>2018</b> , 37, 19-38	13	46
65	Properties and functions of adipose tissue macrophages in obesity. <i>Immunology</i> , <b>2018</b> , 155, 407-417	7.8	231
64	The long noncoding RNA Blnc1 orchestrates homeostatic adipose tissue remodeling to preserve metabolic health. <i>Molecular Metabolism</i> , <b>2018</b> , 14, 60-70	8.8	26
63	Differentiation and Metabolic Interrogation of Human Adipocytes. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1566, 61-76	1.4	4
62	Adipocyte hypertrophy-hyperplasia balance contributes to weight loss after bariatric surgery. <i>Adipocyte</i> , <b>2017</b> , 6, 134-140	3.2	13
61	Diabetes-Specific Regulation of Adipocyte Metabolism by the Adipose Tissue Extracellular Matrix. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2017</b> , 102, 1032-1043	5.6	29
60	Weight loss independent changes in adipose tissue macrophage and T cell populations after sleeve gastrectomy in mice. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 317-326	8.8	19
59	Macrophage Proliferation Sustains Adipose Tissue Inflammation in Formerly Obese Mice. <i>Diabetes</i> , <b>2017</b> , 66, 392-406	0.9	74
58	The initiation of metabolic inflammation in childhood obesity. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 65-73	15.9	86
57	2370: Understanding epicardial fat biology by imaging. <i>Journal of Clinical and Translational Science</i> , <b>2017</b> , 1, 63-63	0.4	78

56	Genomic binding of PAX8-PPARG fusion protein regulates cancer-related pathways and alters the immune landscape of thyroid cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 5761-5773	3.3	11
55	Adipose tissue fibrosis, hypertrophy, and hyperplasia: Correlations with diabetes in human obesity. <i>Obesity</i> , <b>2016</b> , 24, 597-605	8	158
54	Developmental programming: interaction between prenatal BPA exposure and postnatal adiposity on metabolic variables in female sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E238-47	6	31
53	CD40 promotes MHC class II expression on adipose tissue macrophages and regulates adipose tissue CD4+ T cells with obesity. <i>Journal of Leukocyte Biology</i> , <b>2016</b> , 99, 1107-19	6.5	25
52	Lung Macrophage Diversity and Asthma. <i>Annals of the American Thoracic Society</i> , <b>2016</b> , 13 Suppl 1, S31-44.7		8
51	Adipocytes promote pancreatic cancer cell proliferation via glutamine transfer. <i>Biochemistry and Biophysics Reports</i> , <b>2016</b> , 7, 144-149	2.2	38
50	Adipose Tissue Dendritic Cells Are Independent Contributors to Obesity-Induced Inflammation and Insulin Resistance. <i>Journal of Immunology</i> , <b>2016</b> , 197, 3650-3661	5.3	80
49	Depletion of macrophages in CD11b diphtheria toxin receptor mice induces brain inflammation and enhances inflammatory signaling during traumatic brain injury. <i>Brain Research</i> , <b>2015</b> , 1624, 103-112	3.7	21
48	Obesity-induced remodeling of the adipose tissue elastin network is independent of the metalloelastase MMP-12. <i>Adipocyte</i> , <b>2015</b> , 4, 264-72	3.2	24
47	Differences in Hematopoietic Stem Cells Contribute to Sexually Dimorphic Inflammatory Responses to High Fat Diet-induced Obesity. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 13250-62	5.4	64
46	A subcutaneous adipose tissue-liver signalling axis controls hepatic gluconeogenesis. <i>Nature Communications</i> , <b>2015</b> , 6, 6047	17.4	63
45	Flow cytometry analyses of adipose tissue macrophages. <i>Methods in Enzymology</i> , <b>2014</b> , 537, 297-314	1.7	75
44	The relationship between body fat mass percentiles and inflammation in children. <i>Obesity</i> , <b>2014</b> , 22, 1332-6	8	39
43	Heme oxygenase-1 drives metaflammation and insulin resistance in mouse and man. <i>Cell</i> , <b>2014</b> , 158, 25-40	56.2	200
42	Bone marrow adipose tissue is an endocrine organ that contributes to increased circulating adiponectin during caloric restriction. <i>Cell Metabolism</i> , <b>2014</b> , 20, 368-375	24.6	299
41	Diet-induced obesity promotes myelopoiesis in hematopoietic stem cells. <i>Molecular Metabolism</i> , <b>2014</b> , 3, 664-75	8.8	130
40	Otopetrin 1 protects mice from obesity-associated metabolic dysfunction through attenuating adipose tissue inflammation. <i>Diabetes</i> , <b>2014</b> , 63, 1340-52	0.9	26
39	Systemic NK cell ablation attenuates intra-abdominal adipose tissue macrophage infiltration in murine obesity. <i>Obesity</i> , <b>2014</b> , 22, 2109-14	8	39

38	Imaging white adipose tissue with confocal microscopy. <i>Methods in Enzymology</i> , <b>2014</b> , 537, 17-30	1.7	34
37	An MHC II-dependent activation loop between adipose tissue macrophages and CD4+ T cells controls obesity-induced inflammation. <i>Cell Reports</i> , <b>2014</b> , 9, 605-17	10.6	112
36	Fractalkine signaling in regulation of insulin secretion. <i>Islets</i> , <b>2014</b> , 6, e27861	2	4
35	Adipose tissue macrophages function as antigen-presenting cells and regulate adipose tissue CD4+ T cells in mice. <i>Diabetes</i> , <b>2013</b> , 62, 2762-72	0.9	152
34	Targeted deletion of growth hormone (GH) receptor in macrophage reveals novel osteopontin-mediated effects of GH on glucose homeostasis and insulin sensitivity in diet-induced obesity. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 15725-35	5.4	43
33	Innate immune activation in obesity. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 12-29	16.7	96
32	Phosphorylation of the adaptor protein SH2B1 regulates its ability to enhance growth hormone-dependent macrophage motility. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 1733-43	5.3	14
31	Obesity-Related Hormones in Low-Income Preschool-Age Children: Implications for School Readiness. <i>Mind, Brain, and Education</i> , <b>2013</b> , 7, 246-255	1.8	7
30	Thrombospondin 1 mediates high-fat diet-induced muscle fibrosis and insulin resistance in male mice. <i>Endocrinology</i> , <b>2013</b> , 154, 4548-59	4.8	50
29	Neuropeptide Y is produced by adipose tissue macrophages and regulates obesity-induced inflammation. <i>PLoS ONE</i> , <b>2013</b> , 8, e57929	3.7	65
28	Hexosamine biosynthesis is a possible mechanism underlying hypoxia-induced effects on lipid metabolism in human adipocytes. <i>PLoS ONE</i> , <b>2013</b> , 8, e71165	3.7	16
27	Daily and intermittent corticosteroids have similar impact on recurrent wheezing in young children. <i>Journal of Pediatrics</i> , <b>2012</b> , 160, 881	3.6	
26	Smooth muscle protein 22 alpha-Cre is expressed in myeloid cells in mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 422, 639-42	3.4	18
25	CX3CR1 deficiency does not influence trafficking of adipose tissue macrophages in mice with diet-induced obesity. <i>Obesity</i> , <b>2012</b> , 20, 1189-99	8	54
24	Toll-like receptor 4 deficiency promotes the alternative activation of adipose tissue macrophages. <i>Diabetes</i> , <b>2012</b> , 61, 2718-27	0.9	117
23	Inflammatory links between obesity and metabolic disease. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2111-7	15.9	1489
22	Visceral adipose inflammation in obesity is associated with critical alterations in regulatory cell numbers. <i>PLoS ONE</i> , <b>2011</b> , 6, e16376	3.7	208
21	Adipose tissue macrophages: phenotypic plasticity and diversity in lean and obese states. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2011</b> , 14, 341-6	3.8	171

20	Infant pulmonary function testing guides therapy in cystic fibrosis lung disease. <i>Respiratory Medicine CME</i> , <b>2011</b> , 4, 17-19		
19	SirT1: a guardian at the gates of adipose tissue inflammation. <i>Diabetes</i> , <b>2011</b> , 60, 3100-2	0.9	16
18	Aging is associated with an increase in T cells and inflammatory macrophages in visceral adipose tissue. <i>Journal of Immunology</i> , <b>2011</b> , 187, 6208-16	5.3	173
17	Stress-induced Epigenetic Programming for Adipogenesis, Role of Neuropeptide Y and Adipose Stem Cells. <i>FASEB Journal</i> , <b>2011</b> , 25, 1062.9	0.9	
16	The role of pediatricians in the coordinated national effort to address childhood obesity. <i>Pediatrics</i> , <b>2010</b> , 126, 574-5	7.4	10
15	Adipose tissue macrophages: a piece of the PAI of metabolic syndrome. <i>Science Translational Medicine</i> , <b>2010</b> , 2, 20ps7	17.5	12
14	Myeloid mineralocorticoid receptor controls macrophage polarization and cardiovascular hypertrophy and remodeling in mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 3350-64	15.9	260
13	Ambient air pollution exaggerates adipose inflammation and insulin resistance in a mouse model of diet-induced obesity. <i>Circulation</i> , <b>2009</b> , 119, 538-46	16.7	484
12	MGL1 promotes adipose tissue inflammation and insulin resistance by regulating 7/4hi monocytes in obesity. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 3143-56	16.6	95
11	The protein kinase IKKepsilon regulates energy balance in obese mice. <i>Cell</i> , <b>2009</b> , 138, 961-75	56.2	264
10	Phenotypic switching of adipose tissue macrophages with obesity is generated by spatiotemporal differences in macrophage subtypes. <i>Diabetes</i> , <b>2008</b> , 57, 3239-46	0.9	633
9	Increased inflammatory properties of adipose tissue macrophages recruited during diet-induced obesity. <i>Diabetes</i> , <b>2007</b> , 56, 16-23	0.9	779
8	Macrophages block insulin action in adipocytes by altering expression of signaling and glucose transport proteins. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E166-74	6	250
7	Obesity induces a phenotypic switch in adipose tissue macrophage polarization. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 175-84	15.9	3102
6	Bone marrow-specific Cap gene deletion protects against high-fat diet-induced insulin resistance. <i>Nature Medicine</i> , <b>2007</b> , 13, 455-62	50.5	93
5	Inhaled corticosteroids do not prevent the development of asthma. <i>Journal of Pediatrics</i> , <b>2007</b> , 150, 1143.6		
4	Insulin hcts on autophagy. <i>Autophagy</i> , <b>2006</b> , 2, 250-3	10.2	8
3	Characterization of dystrophin and utrophin diversity in the mouse. <i>Human Molecular Genetics</i> , <b>1999</b> , 8, 593-9	5.6	28

2	Interactions between beta 2-syntrophin and a family of microtubule-associated serine/threonine kinases. <i>Nature Neuroscience</i> , <b>1999</b> , 2, 611-7	25.5	124
1	Expression of the 71 kDa dystrophin isoform (Dp71) evaluated by gene targeting. <i>Brain Research</i> , <b>1999</b> , 830, 174-8	3.7	18