

# Robert O'Rourke

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,114  
citations

257357

24  
h-index

243529

44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adipose tissue fibrosis, hypertrophy, and hyperplasia: Correlations with diabetes in human obesity. <i>Obesity</i> , 2016, 24, 597-605.	1.5	250
2	Effect of Reversible Intermittent Intra-abdominal Vagal Nerve Blockade on Morbid Obesity. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 915.	3.8	188
3	An MHC II-Dependent Activation Loop between Adipose Tissue Macrophages and CD4+ T Cells Controls Obesity-Induced Inflammation. <i>Cell Reports</i> , 2014, 9, 605-617.	2.9	167
4	Systemic inflammation and insulin sensitivity in obese IFN- $\beta$ knockout mice. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 1152-1161.	1.5	140
5	Adipose Tissue Dendritic Cells Are Independent Contributors to Obesity-Induced Inflammation and Insulin Resistance. <i>Journal of Immunology</i> , 2016, 197, 3650-3661.	0.4	116
6	Inflammation in obesity-related diseases. <i>Surgery</i> , 2009, 145, 255-259.	1.0	110
7	Preoperative factors and 3-year weight change in the Longitudinal Assessment of Bariatric Surgery (LABS) consortium. <i>Surgery for Obesity and Related Diseases</i> , 2015, 11, 1109-1118.	1.0	106
8	Alterations in T-Cell Subset Frequency in Peripheral Blood in Obesity. <i>Obesity Surgery</i> , 2005, 15, 1463-1468.	1.1	98
9	Predictors of Technical Skill Acquisition Among Resident Trainees in a Laparoscopic Skills Education Program. <i>World Journal of Surgery</i> , 2008, 32, 1917-1921.	0.8	70
10	Obesity results in adipose tissue T cell exhaustion. <i>JCI Insight</i> , 2021, 6, .	2.3	55
11	Systemic NK cell ablation attenuates intra-abdominal adipose tissue macrophage infiltration in murine obesity. <i>Obesity</i> , 2014, 22, 2109-2114.	1.5	49
12	Adipocytes promote pancreatic cancer cell proliferation via glutamine transfer. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 144-149.	0.7	47
13	Diabetes-Specific Regulation of Adipocyte Metabolism by the Adipose Tissue Extracellular Matrix. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1032-1043.	1.8	44
14	Cholesterol 25-hydroxylase (CH25H) as a promoter of adipose tissue inflammation in obesity and diabetes. <i>Molecular Metabolism</i> , 2020, 39, 100983.	3.0	38
15	Functional Lumen Imaging Probe to Assess Geometric Changes in the Esophagogastric Junction Following Endolumenal Fundoplication. <i>Journal of Gastrointestinal Surgery</i> , 2011, 15, 1112-1120.	0.9	37
16	Pathways to Severe COVID-19 for People with Obesity. <i>Obesity</i> , 2021, 29, 645-653.	1.5	36
17	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> , 2016, 99, 1107-1119.	1.5	33
18	Advanced glycation end-products regulate extracellular matrix-adipocyte metabolic crosstalk in diabetes. <i>Scientific Reports</i> , 2019, 9, 19748.	1.6	30

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19	The human type 2 diabetes-specific visceral adipose tissue proteome and transcriptome in obesity. <i>Scientific Reports</i> , 2021, 11, 17394.	1.6	30
20	Weight loss independent changes in adipose tissue macrophage and T cell populations after sleeve gastrectomy in mice. <i>Molecular Metabolism</i> , 2017, 6, 317-326.	3.0	29
21	Adipose tissue and the physiologic underpinnings of metabolic disease. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 1755-1763.	1.0	29
22	Laparoscopic biliary reconstruction. <i>American Journal of Surgery</i> , 2004, 187, 621-624.	0.9	28
23	VEGF Gene Therapy Augments Localized Angiogenesis and Promotes Anastomotic Wound Healing: A Pilot Study in a Clinically Relevant Animal Model. <i>Journal of Gastrointestinal Surgery</i> , 2008, 12, 1762-1772.	0.9	27
24	Management Strategies for Internal Hernia after Gastric Bypass. <i>Journal of Gastrointestinal Surgery</i> , 2011, 15, 1049-1054.	0.9	27
25	Molecular Mechanisms of Obesity and Diabetes: At the Intersection of Weight Regulation, Inflammation, and Glucose Homeostasis. <i>World Journal of Surgery</i> , 2009, 33, 2007-2013.	0.8	26
26	A Model for Gastric Banding in the Treatment of Morbid Obesity. <i>Annals of Surgery</i> , 2006, 244, 723-733.	2.1	25
27	Human CD206+ macrophages associate with diabetes and adipose tissue lymphoid clusters. <i>JCI Insight</i> , 2022, 7, .	2.3	24
28	Obesity and cancer: at the crossroads of cellular metabolism and proliferation. <i>Surgery for Obesity and Related Diseases</i> , 2014, 10, 1208-1219.	1.0	23
29	Transoral Endoscopic Inner Layer Esophagectomy: Management of High-Grade Dysplasia and Superficial Cancer with Organ Preservation. <i>Journal of Gastrointestinal Surgery</i> , 2009, 13, 2104-2112.	0.9	22
30	GM-CSF Administration Improves Defects in Innate Immunity and Sepsis Survival in Obese Diabetic Mice. <i>Journal of Immunology</i> , 2019, 202, 931-942.	0.4	22
31	Simultaneous Surgical Management of Achalasia and Morbid Obesity. <i>Obesity Surgery</i> , 2007, 17, 547-549.	1.1	21
32	Adipocyte hypertrophy-hyperplasia balance contributes to weight loss after bariatric surgery. <i>Adipocyte</i> , 2017, 6, 134-140.	1.3	21
33	Depot-specific adipocyte-extracellular matrix metabolic crosstalk in murine obesity. <i>Adipocyte</i> , 2020, 9, 189-196.	1.3	21
34	Hexosamine Biosynthesis Is a Possible Mechanism Underlying Hypoxia's Effects on Lipid Metabolism in Human Adipocytes. <i>PLoS ONE</i> , 2013, 8, e71165.	1.1	19
35	Unsedated Small-Caliber Upper Endoscopy: An Emerging Diagnostic and Therapeutic Technology. <i>Surgical Innovation</i> , 2006, 13, 31-39.	0.4	16
36	Serum biomarkers of inflammation and adiposity in the LABS cohort: associations with metabolic disease and surgical outcomes. <i>International Journal of Obesity</i> , 2019, 43, 285-296.	1.6	13

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37	Inflammation, obesity, and the promise of immunotherapy for metabolic disease. <i>Surgery for Obesity and Related Diseases</i> , 2013, 9, 609-616.	1.0	12
38	Elucidating nanoscale mechanical properties of diabetic human adipose tissue using atomic force microscopy. <i>Scientific Reports</i> , 2020, 10, 20423.	1.6	11
39	Viscoelastic characterization of diabetic and non-diabetic human adipose tissue. <i>Biorheology</i> , 2020, 57, 15-26.	1.2	11
40	Differentiation and Metabolic Interrogation of Human Adipocytes. <i>Methods in Molecular Biology</i> , 2017, 1566, 61-76.	0.4	10
41	Endometrial hyperplasia, endometrial cancer, and obesity: convergent mechanisms regulating energy homeostasis and cellular proliferation. <i>Surgery for Obesity and Related Diseases</i> , 2014, 10, 926-928.	1.0	6
42	Adipocyte Size Evaluation Based on Photoacoustic Spectral Analysis Combined with Deep Learning Method. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2178.	1.3	6
43	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> , 2020, 117, 3891-3901.	1.7	6
44	MDCT imaging in Spigelian hernia, clinical, and surgical implications. <i>Clinical Imaging</i> , 2021, 74, 131-138.	0.8	3
45	Obesity and Cancer. , 2016, , 111-123.		3
46	Incorporation of Nissen fundoplication in a rat model of duodeno-esophageal reflux. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2007, 21, 467-470.	1.3	2
47	A Human 3D Extracellular Matrix-Adipocyte Culture Model for Studying Matrix-Cell Metabolic Crosstalk. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
48	Wernicke Encephalopathy Owing to Vitamin Nonadherence Following Bariatric Surgery. <i>Michigan Journal of Medicine</i> , 2018, 3, .	0.0	0