

Liza Makowski

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

8,549
citations

87843

38
h-index

98753

67
g-index

80
all docs

80
docs citations

80
times ranked

13190
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Metabolic Reprogramming of Macrophages. <i>Journal of Biological Chemistry</i> , 2014, 289, 7884-7896. | 1.6 | 672 |
| 2 | Lack of macrophage fatty-acid-binding protein aP2 protects mice deficient in apolipoprotein E against atherosclerosis. <i>Nature Medicine</i> , 2001, 7, 699-705. | 15.2 | 616 |
| 3 | Treatment of diabetes and atherosclerosis by inhibiting fatty-acid-binding protein aP2. <i>Nature</i> , 2007, 447, 959-965. | 13.7 | 613 |
| 4 | Comprehensive Molecular Characterization of Pheochromocytoma and Paraganglioma. <i>Cancer Cell</i> , 2017, 31, 181-193. | 7.7 | 532 |
| 5 | The inflammation highway: metabolism accelerates inflammatory traffic in obesity. <i>Immunological Reviews</i> , 2012, 249, 218-238. | 2.8 | 478 |
| 6 | Cafeteria Diet Is a Robust Model of Human Metabolic Syndrome With Liver and Adipose Inflammation: Comparison to High-Fat Diet. <i>Obesity</i> , 2011, 19, 1109-1117. | 1.5 | 467 |
| 7 | Reducing endoplasmic reticulum stress through a macrophage lipid chaperone alleviates atherosclerosis. <i>Nature Medicine</i> , 2009, 15, 1383-1391. | 15.2 | 426 |
| 8 | The Fatty Acid-binding Protein, aP2, Coordinates Macrophage Cholesterol Trafficking and Inflammatory Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 12888-12895. | 1.6 | 343 |
| 9 | Cancer as a Matter of Fat: The Crosstalk between Adipose Tissue and Tumors. <i>Trends in Cancer</i> , 2018, 4, 374-384. | 3.8 | 286 |
| 10 | Fatty Acid Binding Proteins—The Evolutionary Crossroads of Inflammatory and Metabolic Responses. <i>Journal of Nutrition</i> , 2004, 134, 2464S-2468S. | 1.3 | 235 |
| 11 | Efferocytosis induces a novel SLC program to promote glucose uptake and lactate release. <i>Nature</i> , 2018, 563, 714-718. | 13.7 | 220 |
| 12 | Immunometabolism: From basic mechanisms to translation. <i>Immunological Reviews</i> , 2020, 295, 5-14. | 2.8 | 208 |
| 13 | Altered insulin secretion associated with reduced lipolytic efficiency in aP2 ^{-/-} mice. <i>Diabetes</i> , 1999, 48, 1987-1994. | 0.3 | 192 |
| 14 | Role of the Fatty Acid Binding Protein mal1 in Obesity and Insulin Resistance. <i>Diabetes</i> , 2003, 52, 300-307. | 0.3 | 181 |
| 15 | Combined Adipocyte-Macrophage Fatty Acid-binding Protein Deficiency Improves Metabolism, Atherosclerosis, and Survival in Apolipoprotein E-deficient Mice. <i>Circulation</i> , 2004, 110, 1492-1498. | 1.6 | 178 |
| 16 | The role of fatty acid binding proteins in metabolic syndrome and atherosclerosis. <i>Current Opinion in Lipidology</i> , 2005, 16, 543-548. | 1.2 | 166 |
| 17 | Adipocyte Fatty Acid-binding Protein, aP2, Alters Late Atherosclerotic Lesion Formation in Severe Hypercholesterolemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1686-1691. | 1.1 | 160 |
| 18 | Dysregulation of fatty acid synthesis and glycolysis in non-Hodgkin lymphoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11818-11823. | 3.3 | 143 |

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|----|--|-----|-----------|
| 19 | Contribution of Adipose Tissue to Development of Cancer. , 2017, 8, 237-282. | | 139 |
| 20 | DiffSplice: the genome-wide detection of differential splicing events with RNA-seq. Nucleic Acids Research, 2013, 41, e39-e39. | 6.5 | 138 |
| 21 | Antiproliferative and metabolic effects of metformin in a preoperative window clinical trial for endometrial cancer. Cancer Medicine, 2015, 4, 161-173. | 1.3 | 124 |
| 22 | Myeloid lineage cell-restricted insulin resistance protects apolipoproteinE-deficient mice against atherosclerosis. Cell Metabolism, 2006, 3, 247-256. | 7.2 | 113 |
| 23 | Metabolomic Profiling Reveals Mitochondrial-Derived Lipid Biomarkers That Drive Obesity-Associated Inflammation. PLoS ONE, 2012, 7, e38812. | 1.1 | 111 |
| 24 | Metabolic reprogramming through fatty acid transport protein 1 (FATP1) regulates macrophage inflammatory potential and adipose inflammation. Molecular Metabolism, 2016, 5, 506-526. | 3.0 | 107 |
| 25 | Normal breast tissue of obese women is enriched for macrophage markers and macrophage-associated gene expression. Breast Cancer Research and Treatment, 2012, 131, 1003-1012. | 1.1 | 105 |
| 26 | Myeloid <i>Slc2a1</i> -Deficient Murine Model Revealed Macrophage Activation and Metabolic Phenotype Are Fueled by GLUT1. Journal of Immunology, 2019, 202, 1265-1286. | 0.4 | 104 |
| 27 | Metabolic profiling of PPAR α mice reveals defects in carnitine and amino acid homeostasis that are partially reversed by oral carnitine supplementation. FASEB Journal, 2009, 23, 586-604. | 0.2 | 101 |
| 28 | Basal-like Breast Cancer Cells Induce Phenotypic and Genomic Changes in Macrophages. Molecular Cancer Research, 2012, 10, 727-738. | 1.5 | 86 |
| 29 | Impact of Tumor Microenvironment and Epithelial Phenotypes on Metabolism in Breast Cancer. Clinical Cancer Research, 2013, 19, 571-585. | 3.2 | 84 |
| 30 | Obesity, metabolism and the microenvironment: Links to cancer. Journal of Carcinogenesis, 2013, 12, 19. | 2.5 | 81 |
| 31 | The Cytochrome P450 Epoxygenase Pathway Regulates the Hepatic Inflammatory Response in Fatty Liver Disease. PLoS ONE, 2014, 9, e110162. | 1.1 | 79 |
| 32 | Transient Intermittent Hyperglycemia Accelerates Atherosclerosis by Promoting Myelopoiesis. Circulation Research, 2020, 127, 877-892. | 2.0 | 77 |
| 33 | Tumor Intrinsic Subtype Is Reflected in Cancer-Adjacent Tissue. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 406-414. | 1.1 | 72 |
| 34 | Factor XIIIa-expressing inflammatory monocytes promote lung squamous cancer through fibrin cross-linking. Nature Communications, 2018, 9, 1988. | 5.8 | 69 |
| 35 | Distinct microbial communities that differ by race, stage, or breast-tumor subtype in breast tissues of non-Hispanic Black and non-Hispanic White women. Scientific Reports, 2019, 9, 11940. | 1.6 | 63 |
| 36 | Role of LKB1 in lung cancer development. British Journal of Cancer, 2008, 99, 683-688. | 2.9 | 54 |

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|----|--|-----|-----------|
| 37 | High XRCC1 Protein Expression Is Associated with Poorer Survival in Patients with Head and Neck Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2011, 17, 6542-6552. | 3.2 | 49 |
| 38 | Obesity increases tumor aggressiveness in a genetically engineered mouse model of serous ovarian cancer. <i>Gynecologic Oncology</i> , 2014, 133, 90-97. | 0.6 | 45 |
| 39 | Friend or Foe? Recent Strategies to Target Myeloid Cells in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 351. | 1.8 | 45 |
| 40 | Cafeteria diet-induced obesity causes oxidative damage in white adipose. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 545-550. | 1.0 | 44 |
| 41 | Microbiome, bile acids, and obesity: How microbially modified metabolites shape anti-tumor immunity. <i>Immunological Reviews</i> , 2020, 295, 220-239. | 2.8 | 43 |
| 42 | Immune checkpoint blockade reprograms systemic immune landscape and tumor microenvironment in obesity-associated breast cancer. <i>Cell Reports</i> , 2021, 35, 109285. | 2.9 | 38 |
| 43 | Role of HGF in obesity-associated tumorigenesis: C3(1)-TAg mice as a model for human basal-like breast cancer. <i>Breast Cancer Research and Treatment</i> , 2013, 142, 489-503. | 1.1 | 36 |
| 44 | Role of HGF in epithelial-stromal cell interactions during progression from benign breast disease to ductal carcinoma in situ. <i>Breast Cancer Research</i> , 2013, 15, R82. | 2.2 | 35 |
| 45 | Weight Loss Reversed Obesity-Induced HGF/c-Met Pathway and Basal-Like Breast Cancer Progression. <i>Frontiers in Oncology</i> , 2014, 4, 175. | 1.3 | 32 |
| 46 | Adipose Inflammation and Macrophage Infiltration After Binge Ethanol and Burn Injury. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 204-213. | 1.4 | 27 |
| 47 | Association between differential gene expression and body mass index among endometrial cancers from The Cancer Genome Atlas Project. <i>Gynecologic Oncology</i> , 2016, 142, 317-322. | 0.6 | 27 |
| 48 | Gene-by-environment modulation of lifespan and weight gain in the murine BXD family. <i>Nature Metabolism</i> , 2021, 3, 1217-1227. | 5.1 | 27 |
| 49 | Genistein effects on stromal cells determines epithelial proliferation in endometrial co-cultures. <i>Experimental and Molecular Pathology</i> , 2011, 90, 257-263. | 0.9 | 20 |
| 50 | Nutrition and Metabolic Correlates of Obesity and Inflammation: Clinical Considerations. <i>Journal of Nutrition</i> , 2015, 145, 1131S-1136S. | 1.3 | 19 |
| 51 | FTY720 Regulates Mitochondria Biogenesis in Dendritic Cells to Prevent Kidney Ischemic Reperfusion Injury. <i>Frontiers in Immunology</i> , 2020, 11, 1278. | 2.2 | 19 |
| 52 | Obesity-Mediated Regulation of HGF/c-Met Is Associated with Reduced Basal-Like Breast Cancer Latency in Parous Mice. <i>PLoS ONE</i> , 2014, 9, e111394. | 1.1 | 18 |
| 53 | SigFuge: single gene clustering of RNA-seq reveals differential isoform usage among cancer samples. <i>Nucleic Acids Research</i> , 2014, 42, e113-e113. | 6.5 | 17 |
| 54 | Weight loss reduces basal-like breast cancer through kinome reprogramming. <i>Cancer Cell International</i> , 2016, 16, 26. | 1.8 | 16 |

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|----|---|-----|-----------|
| 55 | A conditional mouse expressing an activating mutation in <i>NRF2</i> displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. <i>Journal of Pathology</i> , 2020, 252, 125-137. | 2.1 | 16 |
| 56 | Role of TGF- β 2 in pancreatic ductal adenocarcinoma progression and PD-L1 expression. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 673-687. | 2.1 | 16 |
| 57 | Stability of human plasma leptin concentrations within 36 hours following specimen collection. <i>Clinical Biochemistry</i> , 1999, 32, 87-89. | 0.8 | 15 |
| 58 | cMET inhibitor crizotinib impairs angiogenesis and reduces tumor burden in the C3(1)-Tag model of basal-like breast cancer. <i>SpringerPlus</i> , 2016, 5, 348. | 1.2 | 14 |
| 59 | Lack of myeloid <i>Fatp1</i> increases atherosclerotic lesion size in <i>Ldlr</i> ^{-/-} mice. <i>Atherosclerosis</i> , 2017, 266, 182-189. | 0.4 | 14 |
| 60 | Metabolism fine-tunes macrophage activation. <i>ELife</i> , 2016, 5, . | 2.8 | 14 |
| 61 | Reversal of obesity-driven aggressiveness of endometrial cancer by metformin. <i>American Journal of Cancer Research</i> , 2019, 9, 2170-2193. | 1.4 | 14 |
| 62 | Lipoprotein profiles, not anthropometric measures, correlate with serum lipoprotein(a) values in children: the Taipei children heart study. <i>European Journal of Epidemiology</i> , 2000, 16, 5-12. | 2.5 | 12 |
| 63 | Response to immune checkpoint blockade improved in pre-clinical model of breast cancer after bariatric surgery. <i>ELife</i> , 0, 11, . | 2.8 | 11 |
| 64 | TGF- β 2 Alters the Proportion of Infiltrating Immune Cells in a Pancreatic Ductal Adenocarcinoma. <i>Journal of Gastrointestinal Surgery</i> , 2022, 26, 113-121. | 0.9 | 9 |
| 65 | Increased efficacy of metformin corresponds to differential metabolic effects in the ovarian tumors from obese versus lean mice. <i>Oncotarget</i> , 2017, 8, 110965-110982. | 0.8 | 9 |
| 66 | PKC agonism restricts innate immune suppression, promotes antigen cross-presentation and synergizes with agonistic CD40 antibody therapy to activate CD8+ T cells in breast cancer. <i>Cancer Letters</i> , 2022, 531, 98-108. | 3.2 | 6 |
| 67 | The pancreatic cancer immune tumor microenvironment is negatively remodeled by gemcitabine while TGF- β 2 receptor plus dual checkpoint inhibition maintains antitumor immune cells. <i>Molecular Carcinogenesis</i> , 2022, 61, 549-557. | 1.3 | 6 |
| 68 | Glucose metabolism is linked to the inflammatory status of macrophages. <i>BMC Proceedings</i> , 2012, 6, . | 1.8 | 3 |
| 69 | Abstract 4871: Obesity-mediated regulation of HGF/c-Met and reduced basal-like breast cancer latency in parous mice. , 2014, , . | | 1 |
| 70 | Myeloid lineage cell-restricted insulin resistance protects apolipoproteinE-deficient mice against atherosclerosis. <i>Cell Metabolism</i> , 2006, 3, 469. | 7.2 | 0 |
| 71 | Impact of stromal microenvironment on metabolic phenotypes in breast cancer: evidence for stroma-influenced Warburg effect. <i>BMC Proceedings</i> , 2012, 6, . | 1.8 | 0 |
| 72 | Metabolomic Profiling Reveals Pro-inflammatory Lipid Biomarkers Associated with Obesity. <i>FASEB Journal</i> , 2011, 25, . | 0.2 | 0 |

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|----|---|-----|-----------|
| 73 | Fatty acid transport protein mediates macrophage polarization. FASEB Journal, 2012, 26, 364.6. | 0.2 | 0 |
| 74 | Fatty acid transport protein 1 mediates macrophage eicosanoid metabolism. FASEB Journal, 2013, 27, 373.5. | 0.2 | 0 |
| 75 | Myeloid-specific <i>Glut1</i> Ablation Attenuates Mammary Gland Inflammation and Claudin-low Breast Cancer Progression. FASEB Journal, 2018, 32, 270.1. | 0.2 | 0 |
| 76 | G-protein-coupled Bile Acid Receptor Attenuates Liver Injury in a Murine Model of Acute Parenteral Nutrition. FASEB Journal, 2018, 32, 759.6. | 0.2 | 0 |