

# Maximilian Zeyda

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

5,172  
citations

109264

35  
h-index

85498

71  
g-index

78  
all docs

78  
docs citations

78  
times ranked

8926  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | The TSC-mTOR Signaling Pathway Regulates the Innate Inflammatory Response. <i>Immunity</i> , 2008, 29, 565-577.                                                                                                                                                  | 6.6  | 687       |
| 2  | Obesity, Inflammation, and Insulin Resistance – A Mini-Review. <i>Gerontology</i> , 2009, 55, 379-386.                                                                                                                                                           | 1.4  | 314       |
| 3  | CC Chemokine and CC Chemokine Receptor Profiles in Visceral and Subcutaneous Adipose Tissue Are Altered in Human Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3215-3221.                                                         | 1.8  | 283       |
| 4  | Adipose tissue macrophages. <i>Immunology Letters</i> , 2007, 112, 61-67.                                                                                                                                                                                        | 1.1  | 261       |
| 5  | A Versatile Role of Mammalian Target of Rapamycin in Human Dendritic Cell Function and Differentiation. <i>Journal of Immunology</i> , 2010, 185, 3919-3931.                                                                                                     | 0.4  | 205       |
| 6  | Long-chain n-3 PUFAs reduce adipose tissue and systemic inflammation in severely obese nondiabetic patients: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 1137-1149.                                                 | 2.2  | 197       |
| 7  | Tamm-Horsfall glycoprotein links innate immune cell activation with adaptive immunity via a Toll-like receptor-4-dependent mechanism. <i>Journal of Clinical Investigation</i> , 2005, 115, 468-475.                                                             | 3.9  | 193       |
| 8  | Impaired Local Production of Proresolving Lipid Mediators in Obesity and 17-HDHA as a Potential Treatment for Obesity-Associated Inflammation. <i>Diabetes</i> , 2013, 62, 1945-1956.                                                                            | 0.3  | 181       |
| 9  | Retinaldehyde dehydrogenase 1 regulates a thermogenic program in white adipose tissue. <i>Nature Medicine</i> , 2012, 18, 918-925.                                                                                                                               | 15.2 | 176       |
| 10 | Neutralization of Osteopontin Inhibits Obesity-Induced Inflammation and Insulin Resistance. <i>Diabetes</i> , 2010, 59, 935-946.                                                                                                                                 | 0.3  | 170       |
| 11 | LAT Displacement from Lipid Rafts as a Molecular Mechanism for the Inhibition of T Cell Signaling by Polyunsaturated Fatty Acids. <i>Journal of Biological Chemistry</i> , 2002, 277, 28418-28423.                                                               | 1.6  | 149       |
| 12 | Osteopontin Expression in Human and Murine Obesity: Extensive Local Up-Regulation in Adipose Tissue but Minimal Systemic Alterations. <i>Endocrinology</i> , 2008, 149, 1350-1357.                                                                               | 1.4  | 136       |
| 13 | Severe obesity increases adipose tissue expression of interleukin-33 and its receptor ST2, both predominantly detectable in endothelial cells of human adipose tissue. <i>International Journal of Obesity</i> , 2013, 37, 658-665.                              | 1.6  | 131       |
| 14 | Local Anesthetics Have a Major Impact on Viability of Preadipocytes and Their Differentiation into Adipocytes. <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 1500-1505.                                                                                 | 0.7  | 125       |
| 15 | Inflammation Correlates With Markers of T Cell Subsets Including Regulatory T Cells in Adipose Tissue From Obese Patients. <i>Obesity</i> , 2011, 19, 743-748.                                                                                                   | 1.5  | 120       |
| 16 | Polyunsaturated Fatty Acids Block Dendritic Cell Activation and Function Independently of NF- $\kappa$ B Activation. <i>Journal of Biological Chemistry</i> , 2005, 280, 14293-14301.                                                                            | 1.6  | 118       |
| 17 | Neonatal Screening in Europe Revisited: An ISNS Perspective on the Current State and Developments Since 2010. <i>International Journal of Neonatal Screening</i> , 2021, 7, 15.                                                                                  | 1.2  | 118       |
| 18 | Disruption of the interaction of T cells with antigen-presenting cells by the active leflunomide metabolite teriflunomide: Involvement of impaired integrin activation and immunologic synapse formation. <i>Arthritis and Rheumatism</i> , 2005, 52, 2730-2739. | 6.7  | 96        |

| #  | ARTICLE                                                                                                                                                                                                                                       | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Suppression of T Cell Signaling by Polyunsaturated Fatty Acids: Selectivity in Inhibition of Mitogen-Activated Protein Kinase and Nuclear Factor Activation. <i>Journal of Immunology</i> , 2003, 170, 6033-6039.                             | 0.4  | 91        |
| 20 | Liver X receptors regulate dendritic cell phenotype and function through blocked induction of the actin-bundling protein fascin. <i>Blood</i> , 2007, 109, 4288-4295.                                                                         | 0.6  | 77        |
| 21 | Brain leptin reduces liver lipids by increasing hepatic triglyceride secretion and lowering lipogenesis. <i>Nature Communications</i> , 2019, 10, 2717.                                                                                       | 5.8  | 70        |
| 22 | Osteopontin Is an Activator of Human Adipose Tissue Macrophages and Directly Affects Adipocyte Function. <i>Endocrinology</i> , 2011, 152, 2219-2227.                                                                                         | 1.4  | 69        |
| 23 | Osteopontin is a key player for local adipose tissue macrophage proliferation in obesity. <i>Molecular Metabolism</i> , 2016, 5, 1131-1137.                                                                                                   | 3.0  | 63        |
| 24 | Human but Not Mouse Adipogenesis Is Critically Dependent on LMO3. <i>Cell Metabolism</i> , 2013, 18, 62-74.                                                                                                                                   | 7.2  | 62        |
| 25 | Serum Myostatin is Upregulated in Obesity and Correlates with Insulin Resistance in Humans. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019, 127, 550-556.                                                                 | 0.6  | 59        |
| 26 | Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. <i>Nature Medicine</i> , 2016, 22, 771-779.                                                              | 15.2 | 57        |
| 27 | Polyunsaturated fatty acids interfere with formation of the immunological synapse. <i>Journal of Leukocyte Biology</i> , 2005, 77, 680-688.                                                                                                   | 1.5  | 56        |
| 28 | Liver X receptors interfere with cytokine-induced proliferation and cell survival in normal and leukemic lymphocytes. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1039-1048.                                                              | 1.5  | 54        |
| 29 | Immunomodulation by polyunsaturated fatty acids: Impact on T-cell signaling. <i>Lipids</i> , 2004, 39, 1171-1175.                                                                                                                             | 0.7  | 51        |
| 30 | Power assisted liposuction to obtain adipose-derived stem cells: Impact on viability and differentiation to adipocytes in comparison to manual aspiration. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2014, 67, e1-e8. | 0.5  | 46        |
| 31 | Osteopontin affects macrophage polarization promoting endocytic but not inflammatory properties. <i>Obesity</i> , 2016, 24, 1489-1498.                                                                                                        | 1.5  | 42        |
| 32 | Transcriptional Cofactor TBLR1 Controls Lipid Mobilization in White Adipose Tissue. <i>Cell Metabolism</i> , 2013, 17, 575-585.                                                                                                               | 7.2  | 41        |
| 33 | Rice bran prevents high-fat diet-induced inflammation and macrophage content in adipose tissue. <i>European Journal of Nutrition</i> , 2016, 55, 2011-2019.                                                                                   | 1.8  | 41        |
| 34 | Lipid Raft-Associated GTPase Signaling Controls Morphology and CD8+ T Cell Stimulatory Capacity of Human Dendritic Cells. <i>Journal of Immunology</i> , 2004, 173, 1628-1639.                                                                | 0.4  | 37        |
| 35 | Newborn screening for homocystinurias: Recent recommendations versus current practice. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 128-139.                                                                                     | 1.7  | 37        |
| 36 | An accelerated mouse model for atherosclerosis and adipose tissue inflammation. <i>Cardiovascular Diabetology</i> , 2014, 13, 23.                                                                                                             | 2.7  | 36        |

| #  | ARTICLE                                                                                                                                                                                                                                         | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Prevention of CD40-Triggered Dendritic Cell Maturation and Induction of T-Cell Hyporeactivity by Targeting of Janus Kinase 3. <i>American Journal of Transplantation</i> , 2003, 3, 1341-1349.                                                  | 2.6 | 33        |
| 38 | Alemtuzumab (Campath-1H) induction therapy and dendritic cells: Impact on peripheral dendritic cell repertoire in renal allograft recipients. <i>Transplant Immunology</i> , 2006, 16, 254-257.                                                 | 0.6 | 28        |
| 39 | Antithymocyte Globulin Impairs T-Cell/Antigen-Presenting Cell Interaction: Disruption of Immunological Synapse and Conjugate Formation. <i>Transplantation</i> , 2007, 84, 117-121.                                                             | 0.5 | 28        |
| 40 | Wound Healing Effect of Conditioned Media Obtained From Adipose Tissue on Human Skin Cells. <i>Annals of Plastic Surgery</i> , 2016, 77, 156-163.                                                                                               | 0.5 | 27        |
| 41 | Insulin-Like Growth Factor 1 Predicts Post-Load Hypoglycemia following Bariatric Surgery: A Prospective Cohort Study. <i>PLoS ONE</i> , 2014, 9, e94613.                                                                                        | 1.1 | 27        |
| 42 | SLAM-associated Protein Deficiency Causes Imbalanced Early Signal Transduction and Blocks Downstream Activation in T Cells from X-linked Lymphoproliferative Disease Patients. <i>Journal of Biological Chemistry</i> , 2003, 278, 29593-29599. | 1.6 | 24        |
| 43 | Suppression of early T-cell receptor-triggered cellular activation by the Janus kinase 3 inhibitor WHI-P-154. <i>Transplantation</i> , 2003, 75, 1864-1872.                                                                                     | 0.5 | 24        |
| 44 | A branched-chain amino acid-based metabolic score can predict liver fat in children and adolescents with severe obesity. <i>Pediatric Obesity</i> , 2021, 16, e12739.                                                                           | 1.4 | 24        |
| 45 | Adiponectin regulates aquaglyceroporin expression in hepatic stellate cells altering their functional state. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017, 32, 253-260.                                                 | 1.4 | 23        |
| 46 | Treatment with n-3 Polyunsaturated Fatty Acids Overcomes the Inverse Association of Vitamin D Deficiency with Inflammation in Severely Obese Patients: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2013, 8, e54634.                        | 1.1 | 21        |
| 47 | Circulating microRNAs 34a, 122, and 192 are linked to obesity-associated inflammation and metabolic disease in pediatric patients. <i>International Journal of Obesity</i> , 2021, 45, 1763-1772.                                               | 1.6 | 21        |
| 48 | Impairment of T cell interactions with antigen-presenting cells by immunosuppressive drugs reveals involvement of calcineurin and NF- $\kappa$ B in immunological synapse formation. <i>Journal of Leukocyte Biology</i> , 2007, 81, 319-327.   | 1.5 | 20        |
| 49 | Impact of osteopontin on the development of non-alcoholic liver disease and related hepatocellular carcinoma. <i>Liver International</i> , 2020, 40, 1620-1633.                                                                                 | 1.9 | 20        |
| 50 | Inhibition of Human Dendritic Cell Maturation and Function by the Novel Immunosuppressant FK778. <i>Transplantation</i> , 2005, 80, 1105-1111.                                                                                                  | 0.5 | 19        |
| 51 | Gluconeogenesis, But Not Glycogenolysis, Contributes to the Increase in Endogenous Glucose Production by SGLT-2 Inhibition. <i>Diabetes Care</i> , 2021, 44, 541-548.                                                                           | 4.3 | 16        |
| 52 | Identification of Matrix Metalloproteinase-12 as a Candidate Molecule for Prevention and Treatment of Cardiometabolic Disease. <i>Molecular Medicine</i> , 2016, 22, 487-496.                                                                   | 1.9 | 14        |
| 53 | Immunological blockade of adipocyte inflammation caused by increased matrix metalloproteinase-cleaved osteopontin in obesity. <i>Obesity</i> , 2015, 23, 779-785.                                                                               | 1.5 | 13        |
| 54 | Upregulated TNF Expression 1 Year After Bariatric Surgery Reflects a Cachexia-Like State in Subcutaneous Adipose Tissue. <i>Obesity Surgery</i> , 2017, 27, 1514-1523.                                                                          | 1.1 | 13        |

| #  | ARTICLE                                                                                                                                                                                                                 | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Osteopontin promotes aromatase expression and estradiol production in human adipocytes. <i>Breast Cancer Research and Treatment</i> , 2015, 154, 63-69.                                                                 | 1.1 | 11        |
| 56 | Elevated Homocysteine after Elevated Propionylcarnitine or Low Methionine in Newborn Screening Is Highly Predictive for Low Vitamin B12 and Holo-Transcobalamin Levels in Newborns. <i>Diagnostics</i> , 2020, 10, 626. | 1.3 | 11        |
| 57 | Regulatory landscape of providing information on newborn screening to parents across Europe. <i>European Journal of Human Genetics</i> , 2021, 29, 67-78.                                                               | 1.4 | 11        |
| 58 | Janus kinase-3 (JAK3) inhibition: a novel immunosuppressive option for allogeneic transplantation. <i>Transplant International</i> , 2004, 17, 481-489.                                                                 | 0.8 | 10        |
| 59 | Osteopontin-deficient progenitor cells display enhanced differentiation to adipocytes. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 277-285.                                                               | 0.8 | 10        |
| 60 | Rapid and Modular Assembly of Click Substrates To Assay Enzyme Activity in the Newborn Screening of Lysosomal Storage Disorders. <i>ACS Central Science</i> , 2018, 4, 1688-1696.                                       | 5.3 | 10        |
| 61 | Tryptophan Metabolism Is Associated with BMI and Adipose Tissue Mass and Linked to Metabolic Disease in Pediatric Obesity. <i>Nutrients</i> , 2022, 14, 286.                                                            | 1.7 | 10        |
| 62 | Mast cells are not associated with systemic insulin resistance. <i>European Journal of Clinical Investigation</i> , 2016, 46, 911-919.                                                                                  | 1.7 | 8         |
| 63 | Inhibition of Cellular Adhesion by Immunological Targeting of Osteopontin Neoepitopes Generated through Matrix Metalloproteinase and Thrombin Cleavage. <i>PLoS ONE</i> , 2016, 11, e0148333.                           | 1.1 | 7         |
| 64 | Demethylation of the promoter region of GPX3 in a newborn with classical phenylketonuria. <i>Clinical Biochemistry</i> , 2017, 50, 159-161.                                                                             | 0.8 | 7         |
| 65 | Janus kinase-3 (JAK3) inhibition: a novel immunosuppressive option for allogeneic transplantation. <i>Transplant International</i> , 2004, 17, 481-489.                                                                 | 0.8 | 6         |
| 66 | Coenzyme Q10 Does Not Enhance Preadipocyte Viability in an In Vitro Lipotransfer Model. <i>Aesthetic Plastic Surgery</i> , 2012, 36, 453-457.                                                                           | 0.5 | 6         |
| 67 | Cystic Fibrosis Newborn Screening in Austria Using PAP and the Numeric Product of PAP and IRT Concentrations as Second-Tier Parameters. <i>Diagnostics</i> , 2021, 11, 299.                                             | 1.3 | 5         |
| 68 | Plasma Myostatin Increases with Age in Male Youth and Negatively Correlates with Vitamin D in Severe Pediatric Obesity. <i>Nutrients</i> , 2022, 14, 2133.                                                              | 1.7 | 5         |
| 69 | 25th Annual Meeting of the German Society of Newborn Screening. <i>International Journal of Neonatal Screening</i> , 2018, 4, 17.                                                                                       | 1.2 | 3         |
| 70 | A humanized osteopontin mouse model and its application in immunometabolic obesity studies. <i>Translational Research</i> , 2016, 178, 63-73.e2.                                                                        | 2.2 | 2         |
| 71 | Peptide-based vaccination against OPN integrin binding sites does not improve cardio-metabolic disease in mice. <i>Immunology Letters</i> , 2016, 179, 85-94.                                                           | 1.1 | 2         |
| 72 | Antibody-mediated targeting of cleavage-specific OPN-T cell interactions. <i>PLoS ONE</i> , 2019, 14, e0214938.                                                                                                         | 1.1 | 2         |

| #  | ARTICLE                                                                                                                     | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------|----|-----------|
| 73 | Changes in epigenetic regulation are associated with metabolic disease and inflammation in pediatric obesity. , 2021, 15, . |    | 0         |
| 74 | Adipokines, Inflammation, and Atherosclerosis. , 2012, , 267-288.                                                           |    | 0         |
| 75 | Immunomodulation by Polyunsaturated Fatty Acids: Impact on T-cell Functions and Signaling. , 2009, , 1399-1421.             |    | 0         |