

# Aline Andres

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

1,870  
citations

236833

25  
h-index

302012

39  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2929  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Soy isoflavones and virus infections. <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 563-569.  | 1.9 | 100       |
| 2  | The health implications of soy infant formula. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1668S-1672S.  | 2.2 | 95        |
| 3  | Brain gray and white matter differences in healthy normal weight and obese children. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1205-1213.   | 1.9 | 91        |
| 4  | Developmental Status of 1-Year-Old Infants Fed Breast Milk, Cow's Milk Formula, or Soy Formula. <i>Pediatrics</i> , 2012, 129, 1134-1140.  | 1.0 | 86        |
| 5  | Obesity Modulates Inflammation and Lipid Metabolism Oocyte Gene Expression: A Single-Cell Transcriptome Perspective. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2029-2038.                             | 1.8 | 81        |
| 6  | Early growth response protein-1 mediates lipotoxicity-associated placental inflammation: role in maternal obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1-E14.                     | 1.8 | 72        |
| 7  | Maternal High-Fat Diet Programs Offspring Liver Steatosis in a Sexually Dimorphic Manner in Association with Changes in Gut Microbial Ecology in Mice. <i>Scientific Reports</i> , 2018, 8, 16502.                               | 1.6 | 70        |
| 8  | Longitudinal body composition of children born to mothers with normal weight, overweight, and obesity. <i>Obesity</i> , 2015, 23, 1252-1258.   | 1.5 | 69        |
| 9  | Neonatal diet alters fecal microbiota and metabolome profiles at different ages in infants fed breast milk or formula. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 1190-1202.                                     | 2.2 | 67        |
| 10 | Ultrasonographic Patterns of Reproductive Organs in Infants Fed Soy Formula: Comparisons to Infants Fed Breast Milk and Milk Formula. <i>Journal of Pediatrics</i> , 2010, 156, 215-220.   | 0.9 | 55        |
| 11 | Body Composition Measurements from Birth through 5 Years: Challenges, Gaps, and Existing & Emerging Technologies A National Institutes of Health workshop. <i>Obesity Reviews</i> , 2020, 21, e13033.                            | 3.1 | 51        |
| 12 | Human Milk Oligosaccharide Concentrations and Infant Intakes Are Associated with Maternal Overweight and Obesity and Predict Infant Growth. <i>Nutrients</i> , 2021, 13, 446.  | 1.7 | 49        |
| 13 | Are early first trimester weights valid proxies for preconception weight?. <i>BMC Pregnancy and Childbirth</i> , 2016, 16, 357.  | 0.9 | 48        |
| 14 | Human milk composition differs by maternal BMI in the first 9 months postpartum. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 548-557.   | 2.2 | 47        |
| 15 | Exercise-induced 3-sialyllactose in breast milk is a critical mediator to improve metabolic health and cardiac function in mouse offspring. <i>Nature Metabolism</i> , 2020, 2, 678-687.   | 5.1 | 46        |
| 16 | Maternal Obesity Programs Senescence Signaling and Glucose Metabolism in Osteo-Progenitors From Rat and Human. <i>Endocrinology</i> , 2016, 157, 4172-4183.  | 1.4 | 38        |
| 17 | Concentrations of Purine Metabolites Are Elevated in Fluids from Adults and Infants and in Livers from Mice Fed Diets Depleted of Bovine Milk Exosomes and their RNA Cargos. <i>Journal of Nutrition</i> , 2018, 148, 1886-1894. | 1.3 | 36        |
| 18 | Isoflavones at Concentrations Present in Soy Infant Formula Inhibit Rotavirus Infection in Vitro. <i>Journal of Nutrition</i> , 2007, 137, 2068-2073.  | 1.3 | 35        |

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|----|---|-----|-----------|
| 19 | Quantitative Nuclear Magnetic Resonance to Measure Fat Mass in Infants and Children. <i>Obesity</i> , 2011, 19, 2089-2095.  | 1.5 | 34        |
| 20 | Body Fat and Bone Mineral Content of Infants Fed Breast Milk, Cow's Milk Formula, or Soy Formula during the First Year of Life. <i>Journal of Pediatrics</i> , 2013, 163, 49-54.                              | 0.9 | 34        |
| 21 | Compared with Feeding Infants Breast Milk or Cow-Milk Formula, Soy Formula Feeding Does Not Affect Subsequent Reproductive Organ Size at 5 Years of Age. <i>Journal of Nutrition</i> , 2015, 145, 871-875.    | 1.3 | 33        |
| 22 | Sex-specific association between infant diet and white matter integrity in 8-y-old children. <i>Pediatric Research</i> , 2014, 76, 535-543.   | 1.1 | 32        |
| 23 | Voxel-Based Morphometry and fMRI Revealed Differences in Brain Gray Matter in Breastfed and Milk Formula-Fed Children. <i>American Journal of Neuroradiology</i> , 2016, 37, 713-719.                         | 1.2 | 31        |
| 24 | Obesity leads to distinct metabolomic signatures in follicular fluid of women undergoing in vitro fertilization. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E383-E396. | 1.8 | 30        |
| 25 | Maternal pregravid obesity changes gene expression profiles toward greater inflammation and reduced insulin sensitivity in umbilical cord. <i>Pediatric Research</i> , 2014, 76, 202-210.                     | 1.1 | 28        |
| 26 | Maternal adiposity alters the human milk metabolome: associations between nonglucose monosaccharides and infant adiposity. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 1228-1239.              | 2.2 | 28        |
| 27 | Distinct adipogenic differentiation phenotypes of human umbilical cord mesenchymal cells dependent on adipogenic conditions. <i>Experimental Biology and Medicine</i> , 2014, 239, 1340-1351.                 | 1.1 | 22        |
| 28 | A Behavioral Intervention to Reduce Excessive Gestational Weight Gain. <i>Maternal and Child Health Journal</i> , 2017, 21, 485-491.  | 0.7 | 22        |
| 29 | Maternal Adiposity Influences Neonatal Brain Functional Connectivity. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 514.   | 1.0 | 22        |
| 30 | QMR: validation of an infant and children body composition instrument using piglets against chemical analysis. <i>International Journal of Obesity</i> , 2010, 34, 775-780.                                   | 1.6 | 21        |
| 31 | Body Fat Mass of Exclusively Breastfed Infants Born to Overweight Mothers. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2012, 112, 991-995.   | 0.4 | 21        |
| 32 | Maternal obesity is associated with ovarian inflammation and upregulation of early growth response factor 1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E269-E277.     | 1.8 | 21        |
| 33 | Maternal obesity and gestational weight gain are modestly associated with umbilical cord DNA methylation. <i>Placenta</i> , 2017, 57, 194-203.  | 0.7 | 21        |
| 34 | Diffusion Tensor MRI of White Matter of Healthy Full-term Newborns: Relationship to Neurodevelopmental Outcomes. <i>Radiology</i> , 2019, 292, 179-187.   | 3.6 | 19        |
| 35 | Gestational Age at Birth and Brain White Matter Development in Term-Born Infants and Children. <i>American Journal of Neuroradiology</i> , 2017, 38, 2373-2379.   | 1.2 | 18        |
| 36 | Associations between Maternal Diet, Body Composition and Gut Microbial Ecology in Pregnancy. <i>Nutrients</i> , 2021, 13, 3295.   | 1.7 | 18        |

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|----|---|-----|-----------|
| 37 | Milk From Women Diagnosed With COVID-19 Does Not Contain SARS-CoV-2 RNA but Has Persistent Levels of SARS-CoV-2-Specific IgA Antibodies. <i>Frontiers in Immunology</i> , 2021, 12, 801797.                                       | 2.2 | 17        |
| 38 | Diet and gender influences on processing and discrimination of speech sounds in 3 and 6 month old infants: a developmental ERP study. <i>Developmental Science</i> , 2011, 14, 700-712.   | 1.3 | 15        |
| 39 | Third-Trimester Glucose Homeostasis in Healthy Women Is Differentially Associated with Human Milk Oligosaccharide Composition at 2 Months Postpartum by Secretor Phenotype. <i>Nutrients</i> , 2020, 12, 2209.                    | 1.7 | 15        |
| 40 | Associations between maternal obesity and offspring gut microbiome in the first year of life. <i>Pediatric Obesity</i> , 2022, 17, e12921.  | 1.4 | 15        |
| 41 | Parental adiposity differentially associates with newborn body composition. <i>Pediatric Obesity</i> , 2020, 15, e12596.  | 1.4 | 14        |
| 42 | Evaluating body composition in infancy and childhood: A comparison between 4C, QMR, DXA, and ADP. <i>Pediatric Obesity</i> , 2020, 15, e12617.  | 1.4 | 14        |
| 43 | Developmental assessments during the first 5 years of life in infants fed breast milk, cow's milk formula, or soy formula. <i>Food Science and Nutrition</i> , 2020, 8, 3469-3478.  | 1.5 | 13        |
| 44 | Associations between maternal body mass index and diet composition with placental DNA methylation at term. <i>Placenta</i> , 2020, 93, 74-82.   | 0.7 | 13        |
| 45 | Air Displacement Plethysmography, Dual-Energy X-ray Absorptiometry, and Total Body Water to Evaluate Body Composition in Preschool-Age Children. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2012, 112, 1993-1998. | 0.4 | 12        |
| 46 | Digital Intervention Strategies for Increasing Physical Activity Among Preschoolers: Systematic Review. <i>Journal of Medical Internet Research</i> , 2022, 24, e28230.   | 2.1 | 12        |
| 47 | Effects of diet on early stage cortical perception and discrimination of syllables differing in voice-onset time: A longitudinal ERP study in 3 and 6 month old infants. <i>Brain and Language</i> , 2012, 120, 27-41.            | 0.8 | 11        |
| 48 | Association of Gestational Weight Gain Expectations and Advice on Actual Weight Gain. <i>Obstetrics and Gynecology</i> , 2017, 129, 76-82.  | 1.2 | 11        |
| 49 | The Association of Maternal Protein Intake during Pregnancy in Humans with Maternal and Offspring Insulin Sensitivity Measures. <i>Current Developments in Nutrition</i> , 2019, 3, nzz055.                                       | 0.1 | 11        |
| 50 | Maternal Obesity during Pregnancy is Associated with Lower Cortical Thickness in the Neonate Brain. <i>American Journal of Neuroradiology</i> , 2021, 42, 2238-2244.  | 1.2 | 11        |
| 51 | Maternal Adiposity is Associated with Fat Mass Accretion in Female but not Male Offspring During the First 2 Years of Life. <i>Obesity</i> , 2020, 28, 624-630.   | 1.5 | 9         |
| 52 | Eating behavior and weight gain during pregnancy. <i>Eating Behaviors</i> , 2020, 36, 101364.   | 1.1 | 9         |
| 53 | Resting gamma power during the postnatal critical period for GABAergic system development is modulated by infant diet and sex. <i>International Journal of Psychophysiology</i> , 2019, 135, 73-94.                               | 0.5 | 8         |
| 54 | Early infant feeding effect on growth and body composition during the first 6 years and neurodevelopment at age 72 months. <i>Pediatric Research</i> , 2021, 90, 140-147.   | 1.1 | 8         |

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|----|---|-----|-----------|
| 55 | Infant diet, gender and the development of vagal tone stability during the first two years of life. <i>International Journal of Psychophysiology</i> , 2015, 96, 104-114.   | 0.5 | 7         |
| 56 | Markers of branched-chain amino acid catabolism are not affected by exercise training in pregnant women with obesity. <i>Journal of Applied Physiology</i> , 2021, 130, 651-659.  | 1.2 | 7         |
| 57 | Infant intakes of human milk branched chain amino acids are negatively associated with infant growth and influenced by maternal body mass index. <i>Pediatric Obesity</i> , 2022, 17, e12876.                                 | 1.4 | 7         |
| 58 | Obesity Status Affects the Relationship Between Protein Intake and Insulin Sensitivity in Late Pregnancy. <i>Nutrients</i> , 2019, 11, 2190.  | 1.7 | 6         |
| 59 | Divergent Changes in Serum Branched-Chain Amino Acid Concentrations and Estimates of Insulin Resistance throughout Gestation in Healthy Women. <i>Journal of Nutrition</i> , 2020, 150, 1757-1764.                            | 1.3 | 6         |
| 60 | Early Infant Formula Feeding Impacts Urinary Metabolite Profile at 3 Months of Age. <i>Nutrients</i> , 2020, 12, 3552.  | 1.7 | 5         |
| 61 | Infant Diet-Related Changes in Syllable Processing Between 4 and 5 Months: Implications for Developing Native Language Sensitivity. <i>Developmental Neuropsychology</i> , 2016, 41, 215-230.                                 | 1.0 | 4         |
| 62 | Prepregnancy Fat Free Mass and Associations to Glucose Metabolism Before and During Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 1394-1403.  | 1.8 | 4         |
| 63 | Adaptation of an exercise intervention for pregnant women to community-based delivery: a study protocol. <i>BMJ Open</i> , 2020, 10, e038582.   | 0.8 | 3         |
| 64 | Breastfeeding duration modifies the association between maternal weight status and offspring dietary palmitate oxidation. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 404-414.                                 | 2.2 | 3         |
| 65 | Infant diet, gender and the normative development of vagal tone and heart period during the first two years of life. <i>International Journal of Psychophysiology</i> , 2013, 90, 311-320.                                    | 0.5 | 2         |
| 66 | Effects of Fat Mass on Motor Development During the First 2 Years of Life. <i>ICAN: Infant, Child, &amp; Adolescent Nutrition</i> , 2013, 5, 248-254.   | 0.2 | 2         |
| 67 | Association between Home Environment in Infancy and Child Movement Behaviors. <i>Childhood Obesity</i> , 2021, 17, 100-109.   | 0.8 | 2         |
| 68 | Documenting and characterising gestational weight gain beliefs and experiences among Marshallese pregnant women in Arkansas: a protocol for a longitudinal mixed-methods study. <i>BMJ Open</i> , 2020, 10, e037219.          | 0.8 | 1         |
| 69 | Infant Intakes of Human Milk Amino Acids Are Associated With Maternal Obesity and Infant Growth. <i>Current Developments in Nutrition</i> , 2021, 5, 810.   | 0.1 | 1         |
| 70 | Early growth response protein 1 (EGR1) regulates pro-inflammatory gene expression in response to palmitate and TNF $\alpha$ in human placenta cells and is induced in obese placenta. <i>FASEB Journal</i> , 2013, 27, 109.8. | 0.2 | 1         |
| 71 | Dietary Protein Intake during Pregnancy Is Not Associated with Offspring Insulin Sensitivity during the First Two Years of Life. <i>Nutrients</i> , 2020, 12, 1338.   | 1.7 | 0         |
| 72 | Effect of a dietary and exercise intervention in women with overweight and obesity undergoing fertility treatments: protocol for a randomized controlled trial. <i>BMC Nutrition</i> , 2021, 7, 51.                           | 0.6 | 0         |

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|----|---|-----|-----------|
| 73 | Maternal and Early-Life Factors Influence on Human Milk Composition and Infants' Gut Health. , 2021, , 185-185.   |     | 0         |
| 74 | Pre-pregnancy BMI and body fat mass of 2 weeks old infants. FASEB Journal, 2011, 25, 990.8.   | 0.2 | 0         |
| 75 | Child Obesity and Motor Development Delays. FASEB Journal, 2012, 26, 374.5.   | 0.2 | 0         |
| 76 | Differences in resting metabolic rate and physical activity patterns in lean and overweight/obese pregnant women. FASEB Journal, 2012, 26, 113.1.                                     | 0.2 | 0         |
| 77 | Maternal pre-pregnant body mass index and adiposity influence umbilical cord gene expression at term in AGA infants. FASEB Journal, 2013, 27, 109.3.                                  | 0.2 | 0         |
| 78 | Maternal but not paternal fat mass is positively associated with infant fat mass at age 2 weeks. FASEB Journal, 2013, 27, 111.4.  | 0.2 | 0         |
| 79 | Maternal obesity leads to an inflammatory response and insulin resistance in ovarian tissue. FASEB Journal, 2013, 27, 109.5.  | 0.2 | 0         |
| 80 | First trimester maternal adiposity is associated with infant body fat at age 2 weeks: a longitudinal follow-up study. FASEB Journal, 2017, 31, 958.24.                                | 0.2 | 0         |
| 81 | Associations between Early Pregnancy Maternal Body Mass Index (BMI) and Offspring Sex with Placental DNA Methylation at Term. FASEB Journal, 2018, 32, 755.4.                         | 0.2 | 0         |
| 82 | Maternal adiposity inversely associates with physical activity in 2-year-old girls. FASEB Journal, 2022, 36, .  | 0.2 | 0         |
| 83 | A Pilot Study Protocol: Glycemic Patterns in Obese Pregnancies Without Diabetes – Identifying Susceptible Periods for Intervention. Current Developments in Nutrition, 2022, 6, 1143. | 0.1 | 0         |