

Carol L Wagner

List of Publications by Citations

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

116
papers

6,487
citations

40
h-index

80
g-index

140
ext. papers

7,528
ext. citations

4.8
avg, IF

6.19
L-index

#	Paper	IF	Citations
116	Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. <i>Pediatrics</i> , 2008 , 122, 1142-52	7.4	1044
115	Vitamin D effects on musculoskeletal health, immunity, autoimmunity, cardiovascular disease, cancer, fertility, pregnancy, dementia and mortality-a review of recent evidence. <i>Autoimmunity Reviews</i> , 2013 , 12, 976-89	13.6	522
114	Vitamin D supplementation during pregnancy: double-blind, randomized clinical trial of safety and effectiveness. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2341-57	6.3	501
113	Vitamin D requirements during lactation: high-dose maternal supplementation as therapy to prevent hypovitaminosis D for both the mother and the nursing infant. <i>American Journal of Clinical Nutrition</i> , 2004 , 80, 1752S-8S	7	285
112	Assessment of dietary vitamin D requirements during pregnancy and lactation. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 717-26	7	260
111	Clinical review: The role of the parent compound vitamin D with respect to metabolism and function: Why clinical dose intervals can affect clinical outcomes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 4619-28	5.6	205
110	High-dose vitamin D3 supplementation in a cohort of breastfeeding mothers and their infants: a 6-month follow-up pilot study. <i>Breastfeeding Medicine</i> , 2006 , 1, 59-70	2.1	193
109	Vitamin D: beyond bone. <i>Annals of the New York Academy of Sciences</i> , 2013 , 1287, 45-58	6.5	188
108	Vitamin D and pregnancy: skeletal effects, nonskeletal effects, and birth outcomes. <i>Calcified Tissue International</i> , 2013 , 92, 128-39	3.9	149
107	Plasma 25-hydroxyvitamin D levels in early-onset severe preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2010 , 203, 366.e1-6	6.4	145
106	Maternal Versus Infant Vitamin D Supplementation During Lactation: A Randomized Controlled Trial. <i>Pediatrics</i> , 2015 , 136, 625-34	7.4	127
105	Circulating vitamin D3 and 25-hydroxyvitamin D in humans: An important tool to define adequate nutritional vitamin D status. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 103, 631-4	5.1	126
104	Vitamin D deficiency and insufficiency is common during pregnancy. <i>American Journal of Perinatology</i> , 2011 , 28, 7-12	3.3	124
103	Normal serum vitamin D levels. <i>New England Journal of Medicine</i> , 2005 , 352, 515-6; author reply 515-6	59.2	120
102	Host factors in amniotic fluid and breast milk that contribute to gut maturation. <i>Clinical Reviews in Allergy and Immunology</i> , 2008 , 34, 191-204	12.3	119
101	Mother-child vitamin D deficiency: an international perspective. <i>Archives of Disease in Childhood</i> , 2007 , 92, 737-40	2.2	119
100	A randomized trial of vitamin D supplementation in 2 community health center networks in South Carolina. <i>American Journal of Obstetrics and Gynecology</i> , 2013 , 208, 137.e1-13	6.4	117

99	Health characteristics and outcomes of two randomized vitamin D supplementation trials during pregnancy: a combined analysis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 136, 313-20 ^{5.1}	5.1	101
98	Vitamin D and its role during pregnancy in attaining optimal health of mother and fetus. <i>Nutrients</i> , 2012 , 4, 208-30	6.7	97
97	Evidence Regarding Vitamin D and Risk of COVID-19 and Its Severity. <i>Nutrients</i> , 2020 , 12,	6.7	90
96	Sunlight and Vitamin D: Necessary for Public Health. <i>Journal of the American College of Nutrition</i> , 2015 , 34, 359-65	3.5	88
95	Nutritional vitamin D status during pregnancy: reasons for concern. <i>Cmaj</i> , 2006 , 174, 1287-90	3.5	84
94	Maternal vitamin D and fetal growth in early-onset severe preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2011 , 204, 556.e1-4	6.4	83
93	Profound Vitamin D Deficiency in a Diverse Group of Women during Pregnancy Living in a Sun-Rich Environment at Latitude 32°N. <i>International Journal of Endocrinology</i> , 2010 , 2010, 917428	2.7	80
92	Post-hoc analysis of vitamin D status and reduced risk of preterm birth in two vitamin D pregnancy cohorts compared with South Carolina March of Dimes 2009-2011 rates. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 155, 245-51	5.1	77
91	Maternal 25(OH)D concentrations ≥ 40 ng/mL associated with 60% lower preterm birth risk among general obstetrical patients at an urban medical center. <i>PLoS ONE</i> , 2017 , 12, e0180483	3.7	71
90	Maternal vitamin D insufficiency and risk of adverse pregnancy and birth outcomes: A systematic review and meta-analysis of longitudinal studies. <i>PLoS ONE</i> , 2017 , 12, e0173605	3.7	64
89	An exploratory study of postpartum depression and vitamin d. <i>Journal of the American Psychiatric Nurses Association</i> , 2010 , 16, 170-7	1.8	62
88	Pathogenetics of alveolar capillary dysplasia with misalignment of pulmonary veins. <i>Human Genetics</i> , 2016 , 135, 569-586	6.3	62
87	Associations of infant feeding with trajectories of body composition and growth. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 491-498	7	60
86	New insights into the vitamin D requirements during pregnancy. <i>Bone Research</i> , 2017 , 5, 17030	13.3	57
85	Post-hoc comparison of vitamin D status at three timepoints during pregnancy demonstrates lower risk of preterm birth with higher vitamin D closer to delivery. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 148, 256-60	5.1	57
84	The role of vitamin D in pregnancy and lactation: emerging concepts. <i>Women's Health</i> , 2012 , 8, 323-40	3	55
83	Does vitamin D make the world go round?. <i>Breastfeeding Medicine</i> , 2008 , 3, 239-50	2.1	55
82	Understanding vitamin D metabolism in pregnancy: From physiology to pathophysiology and clinical outcomes. <i>Metabolism: Clinical and Experimental</i> , 2018 , 86, 112-123	12.7	54

81	The Implications of Vitamin D Status During Pregnancy on Mother and her Developing Child. <i>Frontiers in Endocrinology</i> , 2018 , 9, 500	5.7	53
80	Vitamin D administration during pregnancy as prevention for pregnancy, neonatal and postnatal complications. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2017 , 18, 307-322	10.5	45
79	Validity of Body Mass Index as a Measure of Adiposity in Infancy. <i>Journal of Pediatrics</i> , 2018 , 196, 168-174	4.61	44
78	Vitamin D supplementation and body fat mass: a systematic review and meta-analysis. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 1345-1357	5.2	41
77	The effect of pasteurization on transforming growth factor alpha and transforming growth factor beta 2 concentrations in human milk. <i>Advances in Experimental Medicine and Biology</i> , 2001 , 501, 559-66	3.6	41
76	Vitamin D supplementation during pregnancy: Improvements in birth outcomes and complications through direct genomic alteration. <i>Molecular and Cellular Endocrinology</i> , 2017 , 453, 113-130	4.4	39
75	Nutritional management of the breastfeeding dyad. <i>Pediatric Clinics of North America</i> , 2013 , 60, 261-74	3.6	36
74	The role of personality and other factors in a mother's decision to initiate breastfeeding. <i>Journal of Human Lactation</i> , 2006 , 22, 16-26	2.6	36
73	Maternal vitamin D sufficiency and reduced placental gene expression in angiogenic biomarkers related to comorbidities of pregnancy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 173, 273-279	5.1	30
72	Circulating 25-hydroxyvitamin d levels in fully breastfed infants on oral vitamin d supplementation. <i>International Journal of Endocrinology</i> , 2010 , 2010, 235035	2.7	27
71	Amniotic fluid and human milk: a continuum of effect?. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2002 , 34, 513-4	2.8	22
70	Vitamin D binding protein polymorphisms significantly impact vitamin D status in children. <i>Pediatric Research</i> , 2019 , 86, 662-669	3.2	22
69	Relationship between vitamin D status and the vaginal microbiome during pregnancy. <i>Journal of Perinatology</i> , 2019 , 39, 824-836	3.1	17
68	1,25-dihydroxyvitamin D3 modulates CYP2R1 gene expression in human oral squamous cell carcinoma tumor cells. <i>Hormones and Cancer</i> , 2014 , 5, 90-7	5	17
67	Analyzing adherence to prenatal supplement: does pill count measure up?. <i>International Journal of Endocrinology</i> , 2010 , 2010, 631971	2.7	16
66	Vitamin D insufficiency in neonatal hypoxic-ischemic encephalopathy. <i>Pediatric Research</i> , 2017 , 82, 55-62	3.2	15
65	Effectiveness of the IBCLC: Have we Made an Impact on the Care of Breastfeeding Families Over the Past Decade?. <i>Journal of Human Lactation</i> , 2019 , 35, 441-452	2.6	15
64	Vitamin D-deficiency and sex-specific dysregulation of placental inflammation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018 , 177, 223-230	5.1	15

63	Rates of successful vaginal delivery after cesarean for patients with private versus public insurance. <i>Journal of Perinatology</i> , 1999 , 19, 14-8	3.1	14
62	Longitudinal changes during pregnancy in gut microbiota and methylmercury biomarkers, and reversal of microbe-exposure correlations. <i>Environmental Research</i> , 2019 , 172, 700-712	7.9	14
61	The effect of recombinant TGFalpha, human milk, and human milk macrophage media on gut epithelial proliferation is decreased in the presence of a neutralizing TGFalpha antibody. <i>Neonatology</i> , 1998 , 74, 363-71	4	13
60	The impact of maternal obesity and breast milk inflammation on developmental programming of infant growth. <i>European Journal of Clinical Nutrition</i> , 2021 , 75, 180-188	5.2	13
59	Prenatal vitamin D and enamel hypoplasia in human primary maxillary central incisors: a pilot study. <i>Pediatric Dental Journal</i> , 2017 , 27, 21-28	0.5	12
58	Blood total mercury and methylmercury among pregnant mothers in Charleston, South Carolina, USA. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018 , 28, 494-504	6.7	12
57	Effect of human milk and recombinant EGF, TGFalpha, and IGF-1 on small intestinal cell proliferation. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 478, 373-4	3.6	12
56	Early discharge with home antibiotic therapy in the treatment of neonatal infection. <i>Journal of Perinatology</i> , 2000 , 20, 346-50	3.1	12
55	Variation in the biochemical forms of transforming growth factor-alpha present in human milk and secreted by human milk macrophages. <i>Neonatology</i> , 1995 , 68, 325-33	4	12
54	Circulating Cathelicidin Concentrations in a Cohort of Healthy Children: Influence of Age, Body Composition, Gender and Vitamin D Status. <i>PLoS ONE</i> , 2016 , 11, e0152711	3.7	12
53	Bone mineral density during pregnancy in women participating in a randomized controlled trial of vitamin D supplementation. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 1422-1430	7	11
52	NICU bedside caregivers sustain process improvement and decrease incidence of bronchopulmonary dysplasia in infants <i>Respiratory Care</i> , 2015 , 60, 309-20	2.1	9
51	Can Machine Learning Methods Predict Extubation Outcome in Premature Infants as well as Clinicians?. <i>Journal of Neonatal Biology</i> , 2013 , 2,		9
50	Adiponectin and vitamin D-binding protein are independently associated at birth in both mothers and neonates. <i>Endocrine</i> , 2018 , 59, 164-174	4	9
49	Randomized Clinical Trial of Preoperative Feeding to Evaluate Intestinal Barrier Function in Neonates Requiring Cardiac Surgery. <i>Journal of Pediatrics</i> , 2015 , 167, 47-51.e1	3.6	8
48	Evidence of an Association Between Vitamin D Deficiency and Preterm Birth and Preeclampsia: A Critical Review. <i>Journal of Midwifery and Women's Health</i> , 2019 , 64, 613-629	2.2	8
47	Bioequivalence Studies of Vitamin D Gummies and Tablets in Healthy Adults: Results of a Cross-Over Study. <i>Nutrients</i> , 2019 , 11,	6.7	7
46	The Safety of Mother's Milk Tea: Results of a Randomized Double-Blind, Controlled Study in Fully Breastfeeding Mothers and Their Infants. <i>Journal of Human Lactation</i> , 2019 , 35, 248-260	2.6	7

45	Beyond PTH: assessing vitamin D status during early pregnancy. <i>Clinical Endocrinology</i> , 2011 , 75, 285-6	3.4	7
44	Changing a diagnosis: the importance of neonatal autopsy. <i>Journal of Perinatology</i> , 2005 , 25, 69-71	3.1	7
43	Effect of human milk fortifier on the immunodetection and molecular mass profile of transforming growth factor-alpha. <i>Neonatology</i> , 2000 , 77, 156-61		7
42	Early-Life Effects of Vitamin D: A Focus on Pregnancy and Lactation. <i>Annals of Nutrition and Metabolism</i> , 2020 , 76 Suppl 2, 16-28	4.5	7
41	The relation between circulating levels of vitamin D and parathyroid hormone in children and adolescents with overweight or obesity: Quest for a threshold. <i>PLoS ONE</i> , 2019 , 14, e0225717	3.7	7
40	Maternal vitamin D status during pregnancy in Europe: the two sides of the story. <i>European Journal of Nutrition</i> , 2017 , 56, 2207-2208	5.2	6
39	Effects of Maternal Vitamin D3 Supplementation on Offspring Epigenetic Clock of Gestational Age at Birth: A Post-hoc Analysis of a Randomized Controlled Trial. <i>Epigenetics</i> , 2020 , 15, 830-840	5.7	6
38	Functional indicators of vitamin D adequacy for very low birth weight infants. <i>Journal of Perinatology</i> , 2018 , 38, 550-556	3.1	6
37	Toward Preventing Enamel Hypoplasia: Modeling Maternal and Neonatal Biomarkers of Human Calcium Homeostasis. <i>Caries Research</i> , 2020 , 54, 55-67	4.2	6
36	Maternal Obesity, 25-Hydroxy Vitamin D Concentration, and Bone Density in Breastfeeding Dyads. <i>Journal of Pediatrics</i> , 2017 , 187, 147-152.e1	3.6	5
35	Analytical considerations and general diagnostic and therapeutic ramifications of milk hormones during lactation. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2018 , 32, 5-16	6.5	4
34	Outcomes improved with human milk intake in preterm and full-term infants. <i>Seminars in Perinatology</i> , 2021 , 45, 151384	3.3	4
33	Breastfeeding rates at an urban medical university after initiation of an educational program. <i>Southern Medical Journal</i> , 2002 , 95, 909-13	0.6	4
32	History, epidemiology and prevalence of neonatal bone mineral metabolic disorders. <i>Seminars in Fetal and Neonatal Medicine</i> , 2020 , 25, 101069	3.7	3
31	Insights image for vitamin D binding protein polymorphisms significantly impact vitamin D status in children. <i>Pediatric Research</i> , 2019 , 86, 674	3.2	3
30	Vitamin D Modulation of TRAIL Expression in Human Milk and Mammary Epithelial Cells. <i>Scientific Reports</i> , 2017 , 7, 4362	4.9	3
29	Association of circulating 25-hydroxyvitamin D and parathyroid hormone with carotid intima media thickness in children and adolescents with excess weight. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 188, 117-123	5.1	3
28	Effects of vitamin D supplementation on circulating concentrations of growth factors and immune-mediators in healthy women during pregnancy. <i>Pediatric Research</i> , 2021 , 89, 554-562	3.2	3

27	The relationship between physical activity and vitamin D status in postpartum lactating and formula-feeding women. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018 , 177, 261-265	5.1	2
26	Differential regulation of a placental SAM68 and sFLT1 gene pathway and the relevance to maternal vitamin D sufficiency. <i>Pregnancy Hypertension</i> , 2020 , 22, 196-203	2.6	2
25	The Impact of Technological Advances on our Understanding of the Dynamic Nature of Human Milk Cells: A Commentary About "Characterization of Stem Cells and Immune Cells in Preterm and Term Mother's Milk" (Li et al., 2019). <i>Journal of Human Lactation</i> , 2019 , 35, 535-537	2.6	1
24	Commentary on "Vitamin D and the Breastfeeding Infant: Family Medicine Clinicians' Knowledge, Attitudes, and Practices" by Oberhelman et al. <i>Journal of Human Lactation</i> , 2018 , 34, 337-339	2.6	1
23	Vitamin D in Pregnancy and Lactation 2018 , 1159-1176		1
22	Vitamin D Deficiency in Pregnancy and Lactation and Health Consequences. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2009 , 7, 42-51	2.5	1
21	Maternal and infant vitamin D status during lactation: Is latitude important?. <i>Health</i> , 2013 , 05, 2004-2013	3.4	1
20	Vitamin D Metabolites and Binding Protein Predict Preeclampsia in Women with Type 1 Diabetes. <i>Nutrients</i> , 2020 , 12,	6.7	1
19	Safety Aspects of a Randomized Clinical Trial of Maternal and Infant Vitamin D Supplementation by Feeding Type Through 7 Months Postpartum. <i>Breastfeeding Medicine</i> , 2020 , 15, 765-775	2.1	1
18	A Commentary on the Review Entitled, "A Scoping Review of the Human Milk Microbiome" by Groer et al. <i>Journal of Human Lactation</i> , 2020 , 36, 644-646	2.6	1
17	Designing Longitudinal Clinical Studies Involving Lactating Women. <i>Journal of Human Lactation</i> , 2019 , 35, 32-36	2.6	1
16	Daily vitamin D in overweight and obese children and adolescents: a randomized controlled trial. <i>European Journal of Nutrition</i> , 2021 , 60, 2831-2840	5.2	1
15	Vitamin D Supplementation in Young Infants and Recurrent Wheezing-Reply. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 1708-1709	27.4	1
14	TGF α within compartments of human milk. <i>Advances in Experimental Medicine and Biology</i> , 2004 , 554, 417-21	3.6	1
13	Association of Bacterial Vaginosis with Vitamin D in Pregnancy: Secondary Analysis from the Kellogg Pregnancy Study. <i>AJP Reports</i> , 2019 , 9, e226-e234	1.2	0
12	Higher molecular mass forms of TGF α in human milk. <i>Advances in Experimental Medicine and Biology</i> , 2004 , 554, 411-5	3.6	0
11	Powdered to Liquid Human Milk Fortifiers in the Preterm Infant. <i>NeoReviews</i> , 2021 , 22, e360-e369	1.1	0
10	Facilitating Colostrum Collection by Hospitalized Women in the Early Postpartum Period for Infant Trophic Feeding and Oral Immune Therapy. <i>JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing</i> , 2018 , 47, 654-660	1.2	0

- 9 Breast Milk from Non-Obese Women with a High Omega-6 to Omega-3 Fatty Acid Ratio, but Not from Women with Obesity, Increases Lipogenic Gene Expression in 3T3-L1 Preadipocytes, Suggesting Adipocyte Dysfunction. *Biomedicines*, **2022**, 10, 1129 4.8 ○
- 8 Intestinal Development and Permeability: Role in Nutrition of Preterm Infants **2013**, 135-144
- 7 Vitamin D in Pregnancy and Lactation: A New Paradigm **2018**, 71-88
- 6 Response to messaging and methodological considerations when researching breastfeeding and obesity. *European Journal of Clinical Nutrition*, **2021**, 75, 1526-1527 5.2
- 5 Vitamin D as a modifier of genomic function and phenotypic expression during pregnancy **2021**, 361-399
- 4 Burden of prematurity-associated recurrent wheezing: caregiver missed work in the D-Wheeze trial. *Journal of Perinatology*, **2021**, 41, 69-76 3.1
- 3 Breastfeeding: what the primary care provider should know. *The Journal of the South Carolina Medical Association*, **2002**, 98, 122-8
- 2 The care of the back-transported neonate. *The Journal of the South Carolina Medical Association*, **2002**, 98, 137-44
- 1 Sleep, Anxiety, and Vitamin D Status and Risk for Peripartum Depression.. *Reproductive Sciences*, **2022**, 1 3