

# Josef Neu

## 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.

118  
papers

4,634  
citations

33  
h-index

66  
g-index

130  
ext. papers

5,612  
ext. citations

4.1  
avg, IF

6.43  
L-index

#	Paper	IF	Citations
118	Necrotizing enterocolitis. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 255-64	59.2	1310
117	Cesarean versus vaginal delivery: long-term infant outcomes and the hygiene hypothesis. <i>Clinics in Perinatology</i> , <b>2011</b> , 38, 321-31	2.8	309
116	Meconium microbiome analysis identifies bacteria correlated with premature birth. <i>PLoS ONE</i> , <b>2014</b> , 9, e90784	3.7	289
115	Gastrointestinal development and meeting the nutritional needs of premature infants. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 85, 629S-634S	7	147
114	Glutamine nutrition and metabolism: where do we go from here ?. <i>FASEB Journal</i> , <b>1996</b> , 10, 829-37	0.9	118
113	Changes in intestinal morphology and permeability in the biobreeding rat before the onset of type 1 diabetes. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2005</b> , 40, 589-95	2.8	116
112	Epigenetic Matters: The Link between Early Nutrition, Microbiome, and Long-term Health Development. <i>Frontiers in Pediatrics</i> , <b>2017</b> , 5, 178	3.4	94
111	Factors influencing gastrointestinal tract and microbiota immune interaction in preterm infants. <i>Pediatric Research</i> , <b>2015</b> , 77, 726-31	3.2	91
110	Necrotizing enterocolitis: the mystery goes on. <i>Neonatology</i> , <b>2014</b> , 106, 289-95	4	89
109	Untargeted Metabolomic Analysis of Gestationally Matched Human and Bovine Milk Samples at 2-Weeks Postnatal. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1025-1025	0.4	78
108	Gastrointestinal maturation and implications for infant feeding. <i>Early Human Development</i> , <b>2007</b> , 83, 767-75	2.2	71
107	Glutamine: clinical applications and mechanisms of action. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2002</b> , 5, 69-75	3.8	69
106	Pathogenesis of NEC: Impact of an altered intestinal microbiome. <i>Seminars in Perinatology</i> , <b>2017</b> , 41, 29-35	3.3	68
105	Intestinal innate immunity: how does it relate to the pathogenesis of necrotizing enterocolitis. <i>Seminars in Pediatric Surgery</i> , <b>2005</b> , 14, 137-44	2.1	66
104	Neonatal necrotizing enterocolitis: an update. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2005</b> , 94, 100-5	3.1	62
103	The microbiome during pregnancy and early postnatal life. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2016</b> , 21, 373-379	3.7	60
102	Microbes and the developing gastrointestinal tract. <i>Nutrition in Clinical Practice</i> , <b>2007</b> , 22, 174-82	3.6	54

101	Glutamine metabolism in very low birth weight infants. <i>Pediatric Research</i> , <b>1997</b> , 41, 391-6	3.2	52
100	Personalization of the Microbiota of Donor Human Milk with Mother's Own Milk. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1470	5.7	51
99	Necrotizing Enterocolitis and Human Milk Feeding: A Systematic Review. <i>Clinics in Perinatology</i> , <b>2017</b> , 44, 49-67	2.8	50
98	Gastric residual evaluation in preterm neonates: a useful monitoring technique or a hindrance?. <i>Pediatrics and Neonatology</i> , <b>2014</b> , 55, 335-40	1.8	50
97	The Synthesis of asphyxia and hypoxia-ischemia as primary causes of necrotizing enterocolitis. <i>Neonatology</i> , <b>2005</b> , 87, 97-8	4	45
96	Nutritional strategies and gut microbiota composition as risk factors for necrotizing enterocolitis in very-preterm infants. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 821-830	7	44
95	Enteral glutamine supplementation for very-low-birth-weight infants decreases hospital costs. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1998</b> , 22, 352-6	4.2	44
94	Glutamine in the fetus and critically ill low birth weight neonate: metabolism and mechanism of action. <i>Journal of Nutrition</i> , <b>2001</b> , 131, 2585S-9S; discussion 2590S	4.1	43
93	Routine probiotics for premature infants: let's be careful!. <i>Journal of Pediatrics</i> , <b>2011</b> , 158, 672-4	3.6	39
92	Necrotizing enterocolitis. <i>World Review of Nutrition and Dietetics</i> , <b>2014</b> , 110, 253-63	0.2	38
91	Enteral glutamine supplementation for the very low birthweight infant: plasma amino acid concentrations. <i>Journal of Nutrition</i> , <b>1996</b> , 126, 1115S-20S	4.1	37
90	Necrotizing enterocolitis: The intestinal microbiome, metabolome and inflammatory mediators. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2018</b> , 23, 400-405	3.7	36
89	Preterm infant nutrition, gut bacteria, and necrotizing enterocolitis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2015</b> , 18, 285-8	3.8	35
88	Necrotizing enterocolitis: pathophysiology and prevention. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1999</b> , 23, S13-7	4.2	34
87	The intestinal microbiome: relationship to type 1 diabetes. <i>Endocrinology and Metabolism Clinics of North America</i> , <b>2010</b> , 39, 563-71	5.5	33
86	The Neonatal Microbiome and Its Partial Role in Mediating the Association between Birth by Cesarean Section and Adverse Pediatric Outcomes. <i>Neonatology</i> , <b>2018</b> , 114, 103-111	4	33
85	Necrotizing Enterocolitis: Long Term Complications. <i>Current Pediatric Reviews</i> , <b>2019</b> , 15, 115-124	2.8	32
84	Glutamine synthetase: a key enzyme for intestinal epithelial differentiation?. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1999</b> , 23, 140-6	4.2	32

83	Probiotics and necrotizing enterocolitis. <i>Clinics in Perinatology</i> , <b>2014</b> , 41, 967-78	2.8	31
82	Gastrointestinal maturation and feeding. <i>Seminars in Perinatology</i> , <b>2006</b> , 30, 77-80	3.3	30
81	Immunonutrients and neonates. <i>European Journal of Pediatrics</i> , <b>2003</b> , 162, 122-128	4.1	29
80	Glucocorticoid-mediated alteration of fluidity of brush border membrane in rat small intestine. <i>Pediatric Research</i> , <b>1986</b> , 20, 79-82	3.2	29
79	Developmental aspects of maternal-fetal, and infant gut microbiota and implications for long-term health. <i>Maternal Health, Neonatology and Perinatology</i> , <b>2015</b> , 1, 6	3.4	28
78	Recent developments in necrotizing enterocolitis. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2012</b> , 36, 30S-5S	4.2	28
77	Effect of Gastric Residual Evaluation on Enteral Intake in Extremely Preterm Infants: A Randomized Clinical Trial. <i>JAMA Pediatrics</i> , <b>2019</b> , 173, 534-543	8.3	24
76	Meconium passage in very-low-birth-weight infants. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1993</b> , 17, 537-40	4.2	24
75	Early factors leading to later obesity: interactions of the microbiome, epigenome, and nutrition. <i>Current Problems in Pediatric and Adolescent Health Care</i> , <b>2015</b> , 45, 134-42	2.2	23
74	Necrotizing Enterocolitis: The Future. <i>Neonatology</i> , <b>2020</b> , 117, 240-244	4	22
73	Perinatal and neonatal manipulation of the intestinal microbiome: a note of caution. <i>Nutrition Reviews</i> , <b>2007</b> , 65, 282-5	6.4	22
72	Preterm neonatal immunology at the intestinal interface. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 1209-1227	10.3	21
71	Decoding the enigma of necrotizing enterocolitis in premature infants. <i>Pathophysiology</i> , <b>2014</b> , 21, 21-7	1.8	20
70	Localization of rat small intestine glutamine synthetase using immunofluorescence and in situ hybridization. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1995</b> , 19, 179-81	4.2	20
69	Pathophysiology of Necrotizing Enterocolitis: An Update. <i>Current Pediatric Reviews</i> , <b>2019</b> , 15, 68-87	2.8	19
68	Postnatal nutrition and adult health programming. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2007</b> , 12, 78-86	3.7	19
67	Pathophysiology of glutamine and glutamate metabolism in premature infants. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2007</b> , 10, 75-9	3.8	18
66	Enteral Feeding as an Adjunct to Hypothermia in Neonates with Hypoxic-Ischemic Encephalopathy. <i>Neonatology</i> , <b>2018</b> , 113, 347-352	4	17

65	The Microbiome and Its Impact on Disease in the Preterm Patient. <i>Current Pediatrics Reports</i> , <b>2013</b> , 1, 215-221	0.7	17
64	What Are Optimal Cesarean Section Rates in the U.S. and How Do We Get There? A Review of Evidence-Based Recommendations and Interventions. <i>Journal of Womens Health</i> , <b>2017</b> , 26, 1285-1291	3	17
63	Food Protein-Induced Enterocolitis Instead of Necrotizing Enterocolitis? A Neonatal Intensive Care Unit Case Series. <i>Journal of Pediatrics</i> , <b>2018</b> , 200, 270-273	3.6	17
62	The infantile cutaneous microbiome: A review. <i>Pediatric Dermatology</i> , <b>2019</b> , 36, 574-580	1.9	16
61	An Overview of Systematic Reviews of Randomized-Controlled Trials for Preventing Necrotizing Enterocolitis in Preterm Infants. <i>Neonatology</i> , <b>2020</b> , 117, 46-56	4	16
60	Ontogeny of glutamine synthetase in rat small intestine. <i>Pediatric Research</i> , <b>1996</b> , 39, 643-8	3.2	15
59	Assessment of Neonatal Intensive Care Unit Practices and Preterm Newborn Gut Microbiota and 2-Year Neurodevelopmental Outcomes. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2018119	10.4	15
58	Gastrointestinal Development: Implications for Management of Preterm and Term Infants. <i>Gastroenterology Clinics of North America</i> , <b>2018</b> , 47, 773-791	4.4	14
57	Feeding intolerance in very-low-birthweight infants: what is it and what can we do about it?. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2005</b> , 94, 93-9	3.1	13
56	Microbial Colonization Coordinates the Pathogenesis of a Klebsiella pneumoniae Infant Isolate. <i>Scientific Reports</i> , <b>2019</b> , 9, 3380	4.9	12
55	Probiotics in Newborns and Children. <i>Pediatric Clinics of North America</i> , <b>2017</b> , 64, 1271-1289	3.6	12
54	Potential Nutrients for Preventing or Treating Bronchopulmonary Dysplasia. <i>Paediatric Respiratory Reviews</i> , <b>2017</b> , 22, 83-88	4.8	12
53	Comparative effects of glucocorticoids and prostaglandins on small intestine of infant rats. <i>Pediatric Research</i> , <b>1986</b> , 20, 109-12	3.2	12
52	Scientifically Based Strategies for Enteral Feeding in Premature Infants. <i>NeoReviews</i> , <b>2013</b> , 14, e350-e359	1	11
51	Post-hypoxia Invasion of the fetal brain by multidrug resistant Staphylococcus. <i>Scientific Reports</i> , <b>2017</b> , 7, 6458	4.9	11
50	Update on host defense and immunonutrients. <i>Clinics in Perinatology</i> , <b>2002</b> , 29, 41-64	2.8	11
49	Characterization of glutaminase in the developing rat small intestine. <i>Journal of Nutrition</i> , <b>1996</b> , 126, 1121S-30S	4.1	11
48	Multomics-based strategies for taming intestinal inflammation in the neonate. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2019</b> , 22, 217-222	3.8	11

47	Probiotics for Preterm Infants. <i>NeoReviews</i> , <b>2005</b> , 6, e227-e232	1.1	10
46	Glutamine supplementation in low-birth-weight infants: mechanisms of action. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1999</b> , 23, S49-51	4.2	10
45	Intestinal Microbiota. <i>NeoReviews</i> , <b>2009</b> , 10, e166-e179	1.1	8
44	Consumption of Mother's Own Milk by Infants Born Extremely Preterm Following Implementation of a Donor Human Milk Program: A Retrospective Cohort Study. <i>Journal of Pediatrics</i> , <b>2019</b> , 211, 33-38	3.6	7
43	Gut microbiota maturation during early human life induces enterocyte proliferation via microbial metabolites. <i>BMC Microbiology</i> , <b>2020</b> , 20, 205	4.5	7
42	Antibiotics Effects on the Fecal Metabolome in Preterm Infants. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	7
41	Initial microbial community of the neonatal stomach immediately after birth. <i>Gut Microbes</i> , <b>2019</b> , 10, 289-297	8.8	7
40	Enteral Arg-Gln Dipeptide Administration Increases Retinal Docosahexaenoic Acid and Neuroprotectin D1 in a Murine Model of Retinopathy of Prematurity <b>2018</b> , 59, 858-869		7
39	Metabolomic Profile of Personalized Donor Human Milk. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
38	Using machine learning analysis to assist in differentiating between necrotizing enterocolitis and spontaneous intestinal perforation: A novel predictive analytic tool. <i>Journal of Pediatric Surgery</i> , <b>2021</b> , 56, 1703-1710	2.6	6
37	Dysbiosis in the Neonatal Period: Role of Cesarean Section. <i>Nestle Nutrition Institute Workshop Series</i> , <b>2017</b> , 88, 57-66	1.9	5
36	The developing intestinal microbiome: probiotics and prebiotics. <i>World Review of Nutrition and Dietetics</i> , <b>2014</b> , 110, 167-76	0.2	5
35	Antibiotics and the developing intestinal microbiome, metabolome and inflammatory environment in a randomized trial of preterm infants. <i>Scientific Reports</i> , <b>2021</b> , 11, 1943	4.9	5
34	Mother's Own Milk: How Does It Differ from Donor Milk for the Baby. <i>Breastfeeding Medicine</i> , <b>2019</b> , 14, S3-S4	2.1	4
33	A Qualitative Study of Pregnant Women's Perspectives on Antibiotic Use for Mom and Child: Implications for Developing Tailored Health Education Interventions. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	4
32	Routine Early Antibiotic Use in Symptomatic Preterm Neonates: A Pilot Randomized Controlled Trial. <i>Journal of Pediatrics</i> , <b>2021</b> , 229, 294-298.e3	3.6	4
31	Electrogastrography, Near-infrared Spectroscopy, and Acoustics to Measure Gastrointestinal Development in Preterm Babies. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2018</b> , 66, e146-e152	2.8	3
30	Baby and breast: a dynamic interaction. <i>Pediatric Research</i> , <b>2012</b> , 71, 135	3.2	3

29	Nutrition of premature and critically ill neonates. <i>Nestle Nutrition Workshop Series Clinical &amp; Performance Programme</i> , <b>2003</b> , 8, 171-81; discussion 181-5		3
28	Glutamine Supplementation and Deprivation: Effect on Artificially Reared Rat Small Intestinal Morphology		3
27	Gut Injury and the Microbiome in Neonates. <i>Clinics in Perinatology</i> , <b>2020</b> , 47, 369-382	2.8	3
26	Implications of the vaginal microbiome and potential restorative strategies on maternal health: a narrative review. <i>Journal of Perinatal Medicine</i> , <b>2021</b> , 49, 402-411	2.7	3
25	Glutamine metabolism in the fetus and critically ill low birth weight neonate. <i>Advances in Pediatrics</i> , <b>2002</b> , 49, 203-26	2.2	3
24	Routine Early Antibiotic use in Symptomatic preterm Neonates (REASON): a prospective randomized controlled trial		2
23	Effect of Aspiration and Evaluation of Gastric Residuals on Intestinal Inflammation, Bleeding, and Gastrointestinal Peptide Level. <i>Journal of Pediatrics</i> , <b>2020</b> , 217, 165-171.e2	3.6	2
22	Duration of neonatal intensive care unit exposure associated with decreased risk of atopic dermatitis. <i>Pediatric Dermatology</i> , <b>2021</b> , 38, 83-87	1.9	2
21	Perspectives of pregnant and breastfeeding women on longitudinal clinical studies that require non-invasive biospecimen collection - a qualitative study. <i>BMC Pregnancy and Childbirth</i> , <b>2021</b> , 21, 67	3.2	2
20	Maternal microbial factors that affect the fetus and subsequent offspring. <i>Seminars in Perinatology</i> , <b>2021</b> , 45, 151449	3.3	2
19	Fueling the Optimal Microbiome: Interventions for Severe Acute Malnutrition. <i>Cell Host and Microbe</i> , <b>2019</b> , 26, 307-308	23.4	1
18	Postnatal pediatric systemic antibiotic episodes during the first three years of life are not associated with mode of delivery. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229861	3.7	1
17	Feeding the preterm infant: opportunities and challenges of bringing science to the bedside. <i>Journal of Pediatrics</i> , <b>2013</b> , 162, S101-6	3.6	1
16	Antibiotics and the developing intestinal microbiome, metabolome and inflammatory environment: a randomized trial of preterm infants		1
15	Frozen Mother's Own Milk Can Be Used Effectively to Personalize Donor Human Milk. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 656889	5.7	1
14	Gut Microbiota, Host Gene Expression, and Cell Traffic via Milk. <i>Nestle Nutrition Institute Workshop Series</i> , <b>2020</b> , 94, 94-102	1.9	1
13	Prevention of Necrotizing Enterocolitis.. <i>Clinics in Perinatology</i> , <b>2022</b> , 49, 195-206	2.8	0
12	Gastrointestinal and feeding issues for infants . <i>Seminars in Perinatology</i> , <b>2021</b> , 46, 151546	3.3	0

11	Neonatal Feeding Tube Colonization and the Potential Effect on Infant Health: A Review.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 775014	6.2	0
10	Integrating longitudinal clinical and microbiome data to predict growth faltering in preterm infants.. <i>Journal of Biomedical Informatics</i> , <b>2022</b> , 104031	10.2	0
9	Reply--Gastric residuals, feeding intolerance, and necrotizing enterocolitis in preterm infants. <i>Pediatrics and Neonatology</i> , <b>2015</b> , 56, 138-9	1.8	
8	Postnatal nutritional influences on subsequent health631-639		
7	Minimal enteral nutrition369-376		
6	Polyunsaturated Fatty Acids Decrease Poly (I:C)-Induced IL-8 Production in Caco-2 Cells. <i>FASEB Journal</i> , <b>2006</b> , 20, A1055	0.9	
5	Metabolic Alterations From Different Protein Intakes During Infancy Are Not Reflected In Adulthood. <i>FASEB Journal</i> , <b>2006</b> , 20, A1047	0.9	
4	Systems biology approach in pathway analysis of low dose flagellin induced tolerance to flagellin-stimulated inflammation in caco-2 cells. <i>FASEB Journal</i> , <b>2012</b> , 26, 239.5	0.9	
3	Buccal Swab IL-1ra in Necrotizing Enterocolitis: A Predictive Biomarker. <i>FASEB Journal</i> , <b>2012</b> , 26, 43.5	0.9	
2	The Microbiome as a Therapeutic Target in Preterm Nutrition. <i>World Review of Nutrition and Dietetics</i> , <b>2021</b> , 122, 180-190	0.2	
1	Necrotizing Enterocolitis. <i>World Review of Nutrition and Dietetics</i> , <b>2021</b> , 122, 367-378	0.2	