Josef Neu

List of Publications by Year
in descending order

124 papers	6,353 citations	116194 36 h-index	81351 76 g-index
130 all docs	130 docs citations	130 times ranked	6811 citing authors

#	Article	IF	Citations
1	Multiomics, artificial intelligence, and precision medicine in perinatology. Pediatric Research, 2023, 93, 308-315.	1.1	19
2	Assessing the safety of bioactive ingredients in infant formula that affect the immune system: recommendations from an expert panel. American Journal of Clinical Nutrition, 2022, 115, 570-587.	2.2	3
3	Gastrointestinal and feeding issues for infants <25 weeks of gestation. Seminars in Perinatology, 2022, 46, 151546.	1.1	6
4	Prevention of Necrotizing Enterocolitis. Clinics in Perinatology, 2022, 49, 195-206.	0.8	7
5	Neonatal Feeding Tube Colonization and the Potential Effect on Infant Health: A Review. Frontiers in Nutrition, 2022, 9, 775014.	1.6	6
6	Development of the Gastrointestinal Tract in Newborns as a Challenge for an Appropriate Nutrition: A Narrative Review. Nutrients, 2022, 14, 1405.	1.7	30
7	Integrating longitudinal clinical and microbiome data to predict growth faltering in preterm infants. Journal of Biomedical Informatics, 2022, 128, 104031.	2.5	3
8	Using machine learning analysis to assist in differentiating between necrotizing enterocolitis and spontaneous intestinal perforation: A novel predictive analytic tool. Journal of Pediatric Surgery, 2021, 56, 1703-1710.	0.8	19
9	Routine Early Antibiotic Use in SymptOmatic Preterm Neonates: A Pilot Randomized Controlled Trial. Journal of Pediatrics, 2021, 229, 294-298.e3.	0.9	13
10	Duration of neonatal intensive care unit exposure associated with decreased risk of atopic dermatitis. Pediatric Dermatology, 2021, 38, 83-87.	0.5	5
11	The Microbiome as a Therapeutic Target in Preterm Nutrition. World Review of Nutrition and Dietetics, 2021, 122, 180-190.	0.1	0
12	Necrotizing Enterocolitis. World Review of Nutrition and Dietetics, 2021, 122, 367-378.	0.1	1
13	Antibiotics and the developing intestinal microbiome, metabolome and inflammatory environment in a randomized trial of preterm infants. Scientific Reports, 2021, 11, 1943.	1.6	40
14	Perspectives of pregnant and breastfeeding women on longitudinal clinical studies that require non-invasive biospecimen collection â€“ a qualitative study. BMC Pregnancy and Childbirth, 2021, 21, 67.	0.9	5
15	Frozen Motherâ€™s Own Milk Can Be Used Effectively to Personalize Donor Human Milk. Frontiers in Microbiology, 2021, 12, 656889.	1.5	4
16	Association between atopic dermatitis and race from infancy to early childhood: a retrospective cohort study. International Journal of Dermatology, 2021, , .	0.5	1
17	Introduction. Seminars in Perinatology, 2021, 45, 151448.	1.1	0
18	Maternal microbial factors that affect the fetus and subsequent offspring. Seminars in Perinatology, 2021, 45, 151449.	1.1	4

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19	Implications of the vaginal microbiome and potential restorative strategies on maternal health: a narrative review. Journal of Perinatal Medicine, 2021, 49, 402-411.	0.6	9
20	Preterm neonatal immunology at the intestinal interface. Cellular and Molecular Life Sciences, 2020, 77, 1209-1227.	2.4	34
21	An Overview of Systematic Reviews of Randomized-Controlled Trials for Preventing Necrotizing Enterocolitis in Preterm Infants. Neonatology, 2020, 117, 46-56.	0.9	29
22	Effect of Aspiration and Evaluation of Gastric Residuals on Intestinal Inflammation, Bleeding, and Gastrointestinal Peptide Level. Journal of Pediatrics, 2020, 217, 165-171.e2.	0.9	6
23	Assessment of Neonatal Intensive Care Unit Practices and Preterm Newborn Gut Microbiota and 2-Year Neurodevelopmental Outcomes. JAMA Network Open, 2020, 3, e2018119.	2.8	44
24	Untargeted Metabolomic Analysis of Gestationally Matched Human and Bovine Milk Samples at 2-Weeks Postnatal. Current Developments in Nutrition, 2020, 4, nzaa054_097.	0.1	0
25	Gut microbiota maturation during early human life induces enterocyte proliferation via microbial metabolites. BMC Microbiology, 2020, 20, 205.	1.3	25
26	Antibiotics Effects on the Fecal Metabolome in Preterm Infants. Metabolites, 2020, 10, 331.	1.3	16
27	Metabolomic Profile of Personalized Donor Human Milk. Molecules, 2020, 25, 5783.	1.7	11
28	A Qualitative Study of Pregnant Womenâ€™s Perspectives on Antibiotic Use for Mom and Child: Implications for Developing Tailored Health Education Interventions. Antibiotics, 2020, 9, 704.	1.5	5
29	Necrotizing Enterocolitis: The Future. Neonatology, 2020, 117, 240-244.	0.9	80
30	Postnatal pediatric systemic antibiotic episodes during the first three years of life are not associated with mode of delivery. PLoS ONE, 2020, 15, e0229861.	1.1	1
31	Gut Microbiota, Host Gene Expression, and Cell Traffic via Milk. Nestle Nutrition Institute Workshop Series, 2020, 94, 94-102.	1.5	3
32	Gut Injury and the Microbiome in Neonates. Clinics in Perinatology, 2020, 47, 369-382.	0.8	6
33	Pathophysiology of Necrotizing Enterocolitis: An Update. Current Pediatric Reviews, 2019, 15, 68-87.	0.4	38
34	The infantile cutaneous microbiome: A review. Pediatric Dermatology, 2019, 36, 574-580.	0.5	39
35	Necrotizing Enterocolitis: Long Term Complications. Current Pediatric Reviews, 2019, 15, 115-124.	0.4	90
36	Fueling the Optimal Microbiome: Interventions for Severe Acute Malnutrition. Cell Host and Microbe, 2019, 26, 307-308.	5.1	2

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37	Consumption of Mother's Own Milk by Infants Born Extremely Preterm Following Implementation of a Donor Human Milk Program: A Retrospective Cohort Study. Journal of Pediatrics, 2019, 211, 33-38.	0.9	18
38	Effect of Gastric Residual Evaluation on Enteral Intake in Extremely Preterm Infants. JAMA Pediatrics, 2019, 173, 534.	3.3	51
39	Mother's Own Milk: How Does It Differ from Donor Milk for the Baby. Breastfeeding Medicine, 2019, 14, S-3-S-4.	0.8	15
40	Microbial Colonization Coordinates the Pathogenesis of a Klebsiella pneumoniae Infant Isolate. Scientific Reports, 2019, 9, 3380.	1.6	26
41	Multiomics-based strategies for taming intestinal inflammation in the neonate. Current Opinion in Clinical Nutrition and Metabolic Care, 2019, 22, 217-222.	1.3	13
42	Initial microbial community of the neonatal stomach immediately after birth. Gut Microbes, 2019, 10, 289-297.	4.3	11
43	Enteral Feeding as an Adjunct to Hypothermia in Neonates with Hypoxic-Ischemic Encephalopathy. Neonatology, 2018, 113, 347-352.	0.9	32
44	Electrogastrography, Nearâ€infrared Spectroscopy, and Acoustics to Measure Gastrointestinal Development in Preterm Babies. Journal of Pediatric Gastroenterology and Nutrition, 2018, 66, e146-e152.	0.9	10
45	Enteral Arg-Gln Dipeptide Administration Increases Retinal Docosahexaenoic Acid and Neuroprotectin D1 in a Murine Model of Retinopathy of Prematurity. , 2018, 59, 858.		11
46	Gastrointestinal Development. Gastroenterology Clinics of North America, 2018, 47, 773-791.	1.0	22
47	The Neonatal Microbiome and Its Partial Role in Mediating the Association between Birth by Cesarean Section and Adverse Pediatric Outcomes. Neonatology, 2018, 114, 103-111.	0.9	59
48	Food Proteinâ€"Induced Enterocolitis Instead of Necrotizing Enterocolitis? A Neonatal Intensive Care Unit Case Series. Journal of Pediatrics, 2018, 200, 270-273.	0.9	30
49	Necrotizing enterocolitis: The intestinal microbiome, metabolome and inflammatory mediators. Seminars in Fetal and Neonatal Medicine, 2018, 23, 400-405.	1.1	70
50	Necrotizing enterocolitis. Seminars in Fetal and Neonatal Medicine, 2018, 23, 369.	1.1	6
51	Dysbiosis in the Neonatal Period: Role of Cesarean Section. Nestle Nutrition Institute Workshop Series, 2017, 88, 57-66.	1.5	8
52	Necrotizing Enterocolitis and Human Milk Feeding. Clinics in Perinatology, 2017, 44, 49-67.	0.8	90
53	Pathogenesis of NEC: Impact of an altered intestinal microbiome. Seminars in Perinatology, 2017, 41, 29-35.	1.1	100
54	What Are Optimal Cesarean Section Rates in the U.S. and How Do We Get There? A Review of Evidence-Based Recommendations and Interventions. Journal of Women's Health, 2017, 26, 1285-1291.	1.5	24

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55	Post-hypoxia Invasion of the fetal brain by multidrug resistant Staphylococcus. Scientific Reports, 2017, 7, 6458.	1.6	17
56	Probiotics in Newborns and Children. Pediatric Clinics of North America, 2017, 64, 1271-1289.	0.9	16
57	Nutritional strategies and gut microbiota composition as risk factors for necrotizing enterocolitis in very-preterm infants. American Journal of Clinical Nutrition, 2017, 106, 821-830.	2.2	71
58	Potential Nutrients for Preventing or Treating Bronchopulmonary Dysplasia. Paediatric Respiratory Reviews, 2017, 22, 83-88.	1.2	17
59	Personalization of the Microbiota of Donor Human Milk with Motherâ€™s Own Milk. Frontiers in Microbiology, 2017, 8, 1470.	1.5	73
60	Epigenetic Matters: The Link between Early Nutrition, Microbiome, and Long-term Health Development. Frontiers in Pediatrics, 2017, 5, 178.	0.9	170
61	The human gut microbiota in perinatology and neonatology. Seminars in Fetal and Neonatal Medicine, 2016, 21, 367.	1.1	2
62	The microbiome during pregnancy and early postnatal life. Seminars in Fetal and Neonatal Medicine, 2016, 21, 373-379.	1.1	74
63	Preterm infant nutrition, gut bacteria, and necrotizing enterocolitis. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 285-288.	1.3	45
64	Early Factors Leading to Later Obesity: Interactions of the Microbiome, Epigenome, and Nutrition. Current Problems in Pediatric and Adolescent Health Care, 2015, 45, 134-142.	0.8	29
65	Reply â€" Gastric Residuals, Feeding Intolerance, and Nectrotizing Enterocolitis in Preterm Infants. Pediatrics and Neonatology, 2015, 56, 138-139.	0.3	0
66	Developmental aspects of maternal-fetal, and infant gut microbiota and implications for long-term health. Maternal Health, Neonatology and Perinatology, 2015, 1, 6.	1.0	37
67	Factors influencing gastrointestinal tract and microbiota immune interaction in preterm infants. Pediatric Research, 2015, 77, 726-731.	1.1	117
68	Meconium Microbiome Analysis Identifies Bacteria Correlated with Premature Birth. PLoS ONE, 2014, 9, e90784.	1.1	354
69	Necrotizing Enterocolitis: The Mystery Goes On. Neonatology, 2014, 106, 289-295.	0.9	115
70	Probiotics and Necrotizing Enterocolitis. Clinics in Perinatology, 2014, 41, 967-978.	0.8	34
71	Gastric Residual Evaluation in Preterm Neonates: A Useful Monitoring Technique or a Hindrance?. Pediatrics and Neonatology, 2014, 55, 335-340.	0.3	77
72	The Developing Intestinal Microbiome: Probiotics and Prebiotics. World Review of Nutrition and Dietetics, 2014, 110, 167-176.	0.1	6

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73	Necrotizing Enterocolitis. World Review of Nutrition and Dietetics, 2014, 110, 253-263.	0.1	47
74	Decoding the enigma of necrotizing enterocolitis in premature infants. Pathophysiology, 2014, 21, 21-27.	1.0	26
75	Feeding the Preterm Infant: Opportunities and Challenges of Bringing Science to the Bedside. Journal of Pediatrics, 2013, 162, S101-S106.	0.9	2
76	The Microbiome and its Impact on Disease in the Preterm Patient. Current Pediatrics Reports, 2013, 1, 215-221.	1.7	19
77	Scientifically Based Strategies for Enteral Feeding in Premature Infants. NeoReviews, 2013, 14, e350-e359.	0.4	14
78	Baby and breast: a dynamic interaction. Pediatric Research, 2012, 71, 135-135.	1.1	4
79	Recent Developments in Necrotizing Enterocolitis. Journal of Parenteral and Enteral Nutrition, 2012, 36, 30S-5S.	1.3	33
80	Systems biology approach in pathway analysis of low dose flagellin induced tolerance to flagellinâ€stimulated inflammation in cacoâ€2 cells. FASEB Journal, 2012, 26, 239.5.	0.2	0
81	Buccal Swab ILâ€1ra in Necrotizing Enterocolitis: A Predictive Biomarker. FASEB Journal, 2012, 26, 43.5.	0.2	0
82	Necrotizing Enterocolitis. New England Journal of Medicine, 2011, 364, 255-264.	13.9	1,707
83	Cesarean Versus Vaginal Delivery: Long-term Infant Outcomes and the Hygiene Hypothesis. Clinics in Perinatology, 2011, 38, 321-331.	0.8	402
84	Routine Probiotics for Premature Infants: Letâ€™s Be Careful!. Journal of Pediatrics, 2011, 158, 672-674.	0.9	45
85	The Intestinal Microbiome: Relationship to Type 1 Diabetes. Endocrinology and Metabolism Clinics of North America, 2010, 39, 563-571.	1.2	37
86	Intestinal Microbiota. NeoReviews, 2009, 10, e166-e179.	0.4	8
87	Microbes and the Developing Gastrointestinal Tract. Nutrition in Clinical Practice, 2007, 22, 174-182.	1.1	69
88	Gastrointestinal development and meeting the nutritional needs of premature infants. American Journal of Clinical Nutrition, 2007, 85, 629S-634S.	2.2	183
89	Pathophysiology of glutamine and glutamate metabolism in premature infants. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 75-79.	1.3	20
90	Postnatal nutrition and adult health programming. Seminars in Fetal and Neonatal Medicine, 2007, 12, 78-86.	1.1	25

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91	Gastrointestinal maturation and implications for infant feeding. Early Human Development, 2007, 83, 767-775.	0.8	86
92	Perinatal and Neonatal Manipulation of the Intestinal Microbiome: A Note of Caution. Nutrition Reviews, 2007, 65, 282-285.	2.6	34
93	Gastrointestinal Maturation and Feeding. Seminars in Perinatology, 2006, 30, 77-80.	1.1	36
94	Polyunsaturated Fatty Acids Decrease Poly (I:C)â€Induced ILâ€8 Production in Cacoâ€2 Cells. FASEB Journal, 2006, 20, A1055.	0.2	0
95	Metabolic Alterations From Different Protein Intakes During Infancy Are Not Reflected In Adulthood. FASEB Journal, 2006, 20, A1047.	0.2	0
96	Changes in Intestinal Morphology and Permeability in the BioBreeding Rat Before the Onset of Type 1 Diabetes. Journal of Pediatric Gastroenterology and Nutrition, 2005, 40, 589-595.	0.9	135
97	Probiotics for Preterm Infants. NeoReviews, 2005, 6, e227-e232.	0.4	15
98	Intestinal innate immunity: How does it relate to the pathogenesis of necrotizing enterocolitis. Seminars in Pediatric Surgery, 2005, 14, 137-144.	0.5	73
99	The â€˜Mythâ€™ of Asphyxia and Hypoxia-Ischemia as Primary Causes of Necrotizing Enterocolitis. Neonatology, 2005, 87, 97-98.	0.9	60
100	Feeding intolerance in veryâ€lowâ€birthweight infants: What is it and what can we do about it?. Acta Paediatrica, International Journal of Paediatrics, 2005, 94, 93-99.	0.7	29
101	Neonatal necrotizing enterocolitis: An update. Acta Paediatrica, International Journal of Paediatrics, 2005, 94, 100-105.	0.7	79
102	Immunonutrients and neonates. European Journal of Pediatrics, 2003, 162, 122-128.	1.3	36
103	Nutrition of Premature and Critically Ill Neonates. , 2003, 8, 171-185.		3
104	Glutamine: clinical applications and mechanisms of action. Current Opinion in Clinical Nutrition and Metabolic Care, 2002, 5, 69-75.	1.3	83
105	Update on host defense and immunonutrients. Clinics in Perinatology, 2002, 29, 41-64.	0.8	13
106	Glutamine metabolism in the fetus and critically ill low birth weight neonate. Advances in Pediatrics, 2002, 49, 203-26.	0.5	4
107	Glutamine in the Fetus and Critically Ill Low Birth Weight Neonate: Metabolism and Mechanism of Action. Journal of Nutrition, 2001, 131, 2585S-2589S.	1.3	58
108	Glutamine Supplementation in Lowâ€Birthâ€Weight Infants: Mechanisms of Action. Journal of Parenteral and Enteral Nutrition, 1999, 23, S49-51.	1.3	11

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109	Glutamine Synthetase: A Key Enzyme for Intestinal Epithelial Differentiation?. Journal of Parenteral and Enteral Nutrition, 1999, 23, 140-146.	1.3	36
110	Necrotizing Enterocolitis: Pathophysiology and Prevention. Journal of Parenteral and Enteral Nutrition, 1999, 23, S13-7.	1.3	44
111	Enteral Glutamine Supplementation for Veryâ€Lowâ€Birthâ€Weight Infants Decreases Hospital Costs. Journal of Parenteral and Enteral Nutrition, 1998, 22, 352-356.	1.3	49
112	Glutamine Metabolism in Very Low Birth Weight Infants. Pediatric Research, 1997, 41, 391-396.	1.1	58
113	Enteral Glutamine Supplementation for the Very Low Birthweight Infant: Plasma Amino Acid Concentrations. Journal of Nutrition, 1996, 126, 1115S-1120S.	1.3	44
114	Characterization of Glutaminase in the Developing Rat Small Intestine. Journal of Nutrition, 1996, 126, 1121S-1130S.	1.3	12
115	Glutamine nutrition and metabolism: Where do we go from here?. FASEB Journal, 1996, 10, 829-837.	0.2	135
116	Ontogeny of Glutamine Synthetase in Rat Small Intestine. Pediatric Research, 1996, 39, 643-648.	1.1	17
117	Intravenous Feeding of the Neonate. American Journal of Clinical Nutrition, 1995, 62, 452-453.	2.2	0
118	Localization of Rat Small Intestine Glutamine Synthetase Using Immunofluorescence and In Situ Hybridization. Journal of Parenteral and Enteral Nutrition, 1995, 19, 179-181.	1.3	22
119	Meconium Passage in Veryâ€Lowâ€Birthâ€Weight Infants. Journal of Parenteral and Enteral Nutrition, 1993, 17, 537-540.	1.3	33
120	Glucocorticoid-Mediated Alteration of Fluidity of Brush Border Membrane in Rat Small Intestine. Pediatric Research, 1986, 20, 79-82.	1.1	29
121	Comparative Effects of Glucocorticoids and Prostaglandins on Small Intestine of Infant Rats. Pediatric Research, 1986, 20, 109-112.	1.1	13
122	Postnatal nutritional influences on subsequent health. , 0, , 631-639.		0
123	Minimal enteral nutrition. , 0, , 369-376.		0
124	Glutamine Supplementation and Deprivation: Effect on Artificially Reared Rat Small Intestinal Morphology. , 0, .		3