

# Mark A Underwood

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

6,636  
citations

76031

42  
h-index

78623

77  
g-index

107  
all docs

107  
docs citations

107  
times ranked

8157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protecting Breastfeeding during the COVID-19 Pandemic. American Journal of Perinatology, 2023, 40, 260-266.	0.6	44
2	Early probiotic supplementation with <i>B. infantis</i> in breastfed infants leads to persistent colonization at 1 year. Pediatric Research, 2022, 91, 627-636.	1.1	31
3	<i>Bifidobacterium infantis</i> , necrotizing enterocolitis, death, and the role of parents in the NICU. Journal of Pediatrics, 2022, , .	0.9	3
4	Intestinal Dysbiosis in the Infant and the Future of Lacto-Engineering to Shape the Developing Intestinal Microbiome. Clinical Therapeutics, 2022, 44, 193-214.e1.	1.1	2
5	Human Milk Oligosaccharide Compositions Illustrate Global Variations in Early Nutrition. Journal of Nutrition, 2022, 152, 1239-1253.	1.3	19
6	A comparison of bacterial colonization between nasogastric and orogastric enteral feeding tubes in infants in the neonatal intensive care unit. Journal of Perinatology, 2022, 42, 1446-1452.	0.9	7
7	Malnutrition, poor post-natal growth, intestinal dysbiosis and the developing lung. Journal of Perinatology, 2021, 41, 1797-1810.	0.9	8
8	Phenotyping preterm infants at birth to predict infection risk. Pediatric Research, 2021, 90, 508-509.	1.1	3
9	Human intelectin-1 (ITLN1) genetic variation and intestinal expression. Scientific Reports, 2021, 11, 12889.	1.6	13
10	<i>Bifidobacteria</i> -mediated immune system imprinting early in life. Cell, 2021, 184, 3884-3898.e11.	13.5	312
11	Multi-Strain Probiotic Supplementation with a Product Containing Human-Native <i>S. salivarius</i> K12 in Healthy Adults Increases Oral <i>S. salivarius</i> . Nutrients, 2021, 13, 4392.	1.7	1
12	Effect of withholding feeds on transfusion-related acute gut injury in preterm infants: a pilot randomized controlled trial. Journal of Maternal-Fetal and Neonatal Medicine, 2020, 33, 4139-4144.	0.7	6
13	The developing gut-lung axis: postnatal growth restriction, intestinal dysbiosis, and pulmonary hypertension in a rodent model. Pediatric Research, 2020, 87, 472-479.	1.1	37
14	Change in neonatal resuscitation guidelines and trends in incidence of meconium aspiration syndrome in California. Journal of Perinatology, 2020, 40, 46-55.	0.9	24
15	Interprofessional/interdisciplinary teamwork during the early COVID-19 pandemic: experience from a children's hospital within an academic health center. Journal of Interprofessional Care, 2020, 34, 682-686.	0.8	19
16	Differences and Similarities in the Peptide Profile of Preterm and Term Mother's Milk, and Preterm and Term Infant Gastric Samples. Nutrients, 2020, 12, 2825.	1.7	14
17	Neonatal intestinal dysbiosis. Journal of Perinatology, 2020, 40, 1597-1608.	0.9	43
18	Grading the evidence to identify strategies to modify risk for necrotizing enterocolitis. Pediatric Research, 2020, 88, 41-47.	1.1	10

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19	Safety and efficacy of probiotic administration to preterm infants: ten common questions. <i>Pediatric Research</i> , 2020, 88, 48-55.	1.1	19
20	Helping Mom Help Baby: Nutrition-Based Support for the Mother-Infant Dyad During Lactation. <i>Frontiers in Nutrition</i> , 2020, 7, 54.	1.6	12
21	Vertical Transmission of SARS-CoV-2: What is the Optimal Definition?. <i>American Journal of Perinatology</i> , 2020, 37, 769-772.	0.6	97
22	Intestinal Dysbiosis and the Developing Lung: The Role of Toll-Like Receptor 4 in the Gut-Lung Axis. <i>Frontiers in Immunology</i> , 2020, 11, 357.	2.2	23
23	Neonatal Resuscitation and Postresuscitation Care of Infants Born to Mothers with Suspected or Confirmed SARS-CoV-2 Infection. <i>American Journal of Perinatology</i> , 2020, 37, 813-824.	0.6	98
24	Colonization by <i>B. infantis</i> EVC001 modulates enteric inflammation in exclusively breastfed infants. <i>Pediatric Research</i> , 2019, 86, 749-757.	1.1	78
25	An Experimental Approach to Rigorously Assess Paneth Cell $\hat{\pm}$ -Defensin (Defa) mRNA Expression in C57BL/6 Mice. <i>Scientific Reports</i> , 2019, 9, 13115.	1.6	17
26	<i>Bifidobacterium</i> Abundance in Early Infancy and Vaccine Response at 2 Years of Age. <i>Pediatrics</i> , 2019, 143, .	1.0	99
27	Restoring <i>Bifidobacterium Infantis</i> EVC001 to the Infant Gut Microbiome Significantly Reduces Intestinal Inflammation (OR12-01-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz049.OR12-01-19.	0.1	3
28	Necrotizing Enterocolitis: Using Regulatory Science and Drug Development to Improve Outcomes. <i>Journal of Pediatrics</i> , 2019, 212, 208-215.e1.	0.9	34
29	Probiotic mechanisms of action. <i>Early Human Development</i> , 2019, 135, 58-65.	0.8	62
30	Neonatal Vitamin A Supplementation and Vitamin A Status Are Associated with Gut Microbiome Composition in Bangladeshi Infants in Early Infancy and at 2 Years of Age. <i>Journal of Nutrition</i> , 2019, 149, 1075-1088.	1.3	42
31	Bacterial colonization and antimicrobial resistance genes in neonatal enteral feeding tubes. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	9
32	Fetal exposure to maternal inflammation interrupts murine intestinal development and increases susceptibility to neonatal intestinal injury. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	22
33	Arguments for routine administration of probiotics for NEC prevention. <i>Current Opinion in Pediatrics</i> , 2019, 31, 188-194.	1.0	13
34	Bacterial Colonization of the Hospitalized Newborn: Competition Between <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> . <i>Pediatric Infectious Disease Journal</i> , 2019, 38, 682-686.	1.1	15
35	Probiotics and the prevention of necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2019, 54, 405-412.	0.8	63
36	Probiotics and Human Milk Oligosaccharides in Premature Infants. <i>NeoReviews</i> , 2019, 20, e1-e11.	0.4	11

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37	The Use of Telemedicine to Address Disparities in Access to Specialist Care for Neonates. <i>Telemedicine Journal and E-Health</i> , 2019, 25, 775-780.	1.6	17
38	Peptidomics Analysis of Milk Protein-Derived Peptides Released over Time in the Preterm Infant Stomach. <i>Journal of Proteome Research</i> , 2019, 18, 912-922.	1.8	35
39	Hemoglobin oxygen saturation targets in the neonatal intensive care unit: Is there a light at the end of the tunnel?. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 174-182.	0.7	8
40	Somatic growth and the risks of bronchopulmonary dysplasia and pulmonary hypertension: connecting epidemiology and physiology. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 197-205.	0.7	12
41	Should we treat every infant with a probiotic?. <i>Minerva Pediatrica</i> , 2019, 71, 253-262.	2.6	6
42	A Missing Piece from the World of Science: Remembering Michael P. Sherman. <i>NeoReviews</i> , 2018, 19, e130-e133.	0.4	0
43	The preterm infant stomach actively degrades milk proteins with increasing breakdown across digestion time. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 967-974.	0.7	9
44	Lipopolysaccharide-induced maternal inflammation induces direct placental injury without alteration in placental blood flow and induces a secondary fetal intestinal injury that persists into adulthood. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12816.	1.2	55
45	Elevated Fecal pH Indicates a Profound Change in the Breastfed Infant Gut Microbiome Due to Reduction of <i>Bifidobacterium</i> over the Past Century. <i>MSphere</i> , 2018, 3, .	1.3	106
46	Composition and Variation of Macronutrients, Immune Proteins, and Human Milk Oligosaccharides in Human Milk From Nonprofit and Commercial Milk Banks. <i>Journal of Human Lactation</i> , 2018, 34, 120-129.	0.8	55
47	Changes in Proteases, Antiproteases, and Bioactive Proteins From Mother's Breast Milk to the Premature Infant Stomach. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, 318-324.	0.9	29
48	Plasma Lipoprotein Particle Subclasses in Preterm Infants. <i>American Journal of Perinatology</i> , 2018, 35, 369-379.	0.6	4
49	Probiotics and necrotizing enterocolitis. <i>Seminars in Pediatric Surgery</i> , 2018, 27, 39-46.	0.5	115
50	Preface: The NEC Society. <i>Seminars in Pediatric Surgery</i> , 2018, 27, 1-2.	0.5	7
51	Premature Infants have Lower Gastric Digestion Capacity for Human Milk Proteins than Term Infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, 816-821.	0.9	30
52	Release of functional peptides from mother's milk and fortifier proteins in the premature infant stomach. <i>PLoS ONE</i> , 2018, 13, e0208204.	1.1	43
53	Loss of murine Paneth cell function alters the immature intestinal microbiome and mimics changes seen in neonatal necrotizing enterocolitis. <i>PLoS ONE</i> , 2018, 13, e0204967.	1.1	53
54	Survival of Immunoglobulins from Human Milk to Preterm Infant Gastric Samples at 1, 2, and 3 h Postprandial. <i>Neonatology</i> , 2018, 114, 242-250.	0.9	17

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55	Comparison of Human Milk Immunoglobulin Survival during Gastric Digestion between Preterm and Term Infants. <i>Nutrients</i> , 2018, 10, 631.	1.7	77
56	Umbilical cord blood metabolomics reveal distinct signatures of dyslipidemia prior to bronchopulmonary dysplasia and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L870-L881.	1.3	34
57	Metabolic perturbations of postnatal growth restriction and hyperoxia-induced pulmonary hypertension in a bronchopulmonary dysplasia model. <i>Metabolomics</i> , 2017, 13, 1.	1.4	23
58	Analysis of Milk from Mothers Who Delivered Prematurely Reveals Few Changes in Proteases and Protease Inhibitors across Gestational Age at Birth and Infant Postnatal Age. <i>Journal of Nutrition</i> , 2017, 147, 1152-1159.	1.3	30
59	Safety and tolerability of <i>Bifidobacterium longum</i> subspecies <i>infantis</i> EVC001 supplementation in healthy term breastfed infants: a phase I clinical trial. <i>BMC Pediatrics</i> , 2017, 17, 133.	0.7	43
60	Digestion of Human Milk Oligosaccharides by <i>Bifidobacterium breve</i> in the Premature Infant. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 65, 449-455.	0.9	45
61	The Microbiota of the Extremely Preterm Infant. <i>Clinics in Perinatology</i> , 2017, 44, 407-427.	0.8	84
62	Prenatal and postnatal administration of prebiotics and probiotics. <i>Seminars in Fetal and Neonatal Medicine</i> , 2017, 22, 284-289.	1.1	54
63	Predictive Value of the Aspartate Aminotransferase to Platelet Ratio Index for Parenteral Nutrition-Associated Cholestasis in Premature Infants With Intestinal Perforation. <i>Journal of Parenteral and Enteral Nutrition</i> , 2017, 42, 014860711772275.	1.3	8
64	Persistence of Supplemented <i>Bifidobacterium longum</i> subsp. <i>infantis</i> EVC001 in Breastfed Infants. <i>MSphere</i> , 2017, 2, .	1.3	158
65	Impact of probiotics on necrotizing enterocolitis. <i>Seminars in Perinatology</i> , 2017, 41, 41-51.	1.1	39
66	Probiotic Administration in Infants With Gastroschisis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 62, 852-857.	0.9	17
67	Postnatal growth restriction augments oxygen-induced pulmonary hypertension in a neonatal rat model of bronchopulmonary dysplasia. <i>Pediatric Research</i> , 2016, 80, 894-902.	1.1	36
68	Response to Letter to the Editor Regarding "Probiotic Administration in Infants With Gastroschisis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 63, e210.	0.9	1
69	Missed Opportunities: The Cost of Suboptimal Breast Milk Feeding in the Neonatal Intensive Care Unit. <i>Journal of Pediatrics</i> , 2016, 175, 12-14.	0.9	7
70	Prevention of Necrotizing Enterocolitis Through Manipulation of the Intestinal Microbiota of the Premature Infant. <i>Clinical Therapeutics</i> , 2016, 38, 716-732.	1.1	63
71	Validating bifidobacterial species and subspecies identity in commercial probiotic products. <i>Pediatric Research</i> , 2016, 79, 445-452.	1.1	125
72	Probiotics and Innate and Adaptive Immune Responses in Premature Infants. <i>Forum on Immunopathological Diseases and Therapeutics</i> , 2016, 7, 1-15.	0.1	8

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73	Infant Maturity at Birth Reveals Minor Differences in the Maternal Milk Metabolome in the First Month of Lactation. <i>Journal of Nutrition</i> , 2015, 145, 1698-1708.	1.3	88
74	The Impact of the Milk Glycobiome on the Neonate Gut Microbiota. <i>Annual Review of Animal Biosciences</i> , 2015, 3, 419-445.	3.6	143
75	Endogenous Human Milk Peptide Release Is Greater after Preterm Birth than Term Birth. <i>Journal of Nutrition</i> , 2015, 145, 425-433.	1.3	63
76	Human milk oligosaccharides in premature infants: absorption, excretion, and influence on the intestinal microbiota. <i>Pediatric Research</i> , 2015, 78, 670-677.	1.1	155
77	<i>Bifidobacterium longum</i> subspecies <i>infantis</i> : champion colonizer of the infant gut. <i>Pediatric Research</i> , 2015, 77, 229-235.	1.1	297
78	Human Milk Glycomics and Gut Microbial Genomics in Infant Feces Show a Correlation between Human Milk Oligosaccharides and Gut Microbiota: A Proof-of-Concept Study. <i>Journal of Proteome Research</i> , 2015, 14, 491-502.	1.8	166
79	An "all-human" diet decreases days of parenteral nutrition compared with formula in premature infants. <i>Evidence-Based Medicine</i> , 2014, 19, 142-142.	0.6	0
80	Prebiotic Oligosaccharides in Premature Infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 58, 352-360.	0.9	34
81	Rapid Measurement of Human Milk Macronutrients in the Neonatal Intensive Care Unit. <i>Journal of Human Lactation</i> , 2014, 30, 180-189.	0.8	45
82	A Peptidomic Analysis of Human Milk Digestion in the Infant Stomach Reveals Protein-Specific Degradation Patterns. <i>Journal of Nutrition</i> , 2014, 144, 815-820.	1.3	83
83	Detection of milk oligosaccharides in plasma of infants. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5775-5784.	1.9	97
84	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> in experimental necrotizing enterocolitis: alterations in inflammation, innate immune response, and the microbiota. <i>Pediatric Research</i> , 2014, 76, 326-333.	1.1	95
85	Stool Microbiota and Vaccine Responses of Infants. <i>Pediatrics</i> , 2014, 134, e362-e372.	1.0	308
86	Intestinal dysbiosis: Novel mechanisms by which gut microbes trigger and prevent disease. <i>Preventive Medicine</i> , 2014, 65, 133-137.	1.6	45
87	Response to Letter to the Editor regarding "A quantitative and comprehensive method to analyze human milk oligosaccharide structures in the urine and feces of infants". <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7899-7900.	1.9	1
88	A Comparison of Two Probiotic Strains of <i>Bifidobacteria</i> in Premature Infants. <i>Journal of Pediatrics</i> , 2013, 163, 1585-1591.e9.	0.9	107
89	Paneth Cells and Necrotizing Enterocolitis: A Novel Hypothesis for Disease Pathogenesis. <i>Neonatology</i> , 2013, 103, 10-20.	0.9	82
90	Human Milk for the Premature Infant. <i>Pediatric Clinics of North America</i> , 2013, 60, 189-207.	0.9	294

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91	A quantitative and comprehensive method to analyze human milk oligosaccharide structures in the urine and feces of infants. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4089-4105.	1.9	86
92	Whole Blood Polymerase Chain Reaction in a Neonate with Disseminated Herpes Simplex Virus Infection and Liver Failure. <i>AJP Reports</i> , 2013, 03, 067-070.	0.4	2
93	Surface Microbes in the Neonatal Intensive Care Unit: Changes with Routine Cleaning and over Time. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2617-2624.	1.8	73
94	<i>Bifidobacterium bifidum</i> in a rat model of necrotizing enterocolitis: antimicrobial peptide and protein responses. <i>Pediatric Research</i> , 2012, 71, 546-551.	1.1	43
95	Paneth cells and necrotizing enterocolitis. <i>Gut Microbes</i> , 2012, 3, 562-565.	4.3	27
96	Lacto-N-Tetraose, Fucosylation, and Secretor Status Are Highly Variable in Human Milk Oligosaccharides From Women Delivering Preterm. <i>Journal of Proteome Research</i> , 2012, 11, 4662-4672.	1.8	127
97	Routine Habitat Change: A Source of Unrecognized Transient Alteration of Intestinal Microbiota in Laboratory Mice. <i>PLoS ONE</i> , 2012, 7, e47416.	1.1	65
98	Digestion of Protein in Premature and Term Infants. , 2012, 02, 112.		83
99	Protein-Linked Glycan Degradation in Infants Fed Human Milk. <i>Journal of Glycomics &amp; Lipidomics</i> , 2012, s1, 002.	0.4	14
100	Innate Immunity and the Role of Defensins in Otitis Media. <i>Current Allergy and Asthma Reports</i> , 2011, 11, 499-507.	2.4	26
101	Defensin-Barbed Innate Immunity: Clinical Associations in the Pediatric Population. <i>Pediatrics</i> , 2010, 125, 1237-1247.	1.0	38
102	Intestinal microbiota and blue baby syndrome. <i>Gut Microbes</i> , 2010, 1, 359-366.	4.3	22
103	A Randomized Placebo-controlled Comparison of 2 Prebiotic/Probiotic Combinations in Preterm Infants: Impact on Weight Gain, Intestinal Microbiota, and Fecal Short-chain Fatty Acids. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 48, 216-225.	0.9	145
104	Rapid Determination of the Bacterial Composition of Commercial Probiotic Products by Terminal Restriction Fragment Length Polymorphism Analysis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2008, 46, 608-611.	0.9	53
105	Paneth cells, defensins, and the commensal microbiota: A hypothesis on intimate interplay at the intestinal mucosa. <i>Seminars in Immunology</i> , 2007, 19, 70-83.	2.7	346
106	Near-Infrared Spectroscopy as a Screening Tool for Patent Ductus Arteriosus in Extremely Low Birth Weight Infants. <i>Neonatology</i> , 2007, 91, 134-139.	0.9	61
107	Amniotic Fluid: Not Just Fetal Urine Anymore. <i>Journal of Perinatology</i> , 2005, 25, 341-348.	0.9	556