David S Newburg

List of Publications by Year
in descending order

46 papers	5,652 citations	147801 31 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	5038 citing authors

#	Article	IF	Citations
1	HUMAN MILK GLYCANS PROTECT INFANTS AGAINST ENTERIC PATHOGENS. Annual Review of Nutrition, 2005, 25, 37-58.	10.1	571
2	Campylobacter jejuni Binds Intestinal H(O) Antigen (FucÎ±1, 2GalÎ²1, 4GlcNAc), and Fucosyloligosaccharides of Human Milk Inhibit Its Binding and Infection. Journal of Biological Chemistry, 2003, 278, 14112-14120.	3.4	512
3	Protection of the Neonate by the Innate Immune System of Developing Gut and of Human Milk. Pediatric Research, 2007, 61, 2-8.	2.3	425
4	Human milk oligosaccharides are associated with protection against diarrhea in breast-fed infants. Journal of Pediatrics, 2004, 145, 297-303.	1.8	384
5	Human-Milk Glycans That Inhibit Pathogen Binding Protect Breast-feeding Infants against Infectious Diarrhea. Journal of Nutrition, 2005, 135, 1304-1307.	2.9	333
6	Early Empiric Antibiotic Use in Preterm Infants Is Associated with Lower Bacterial Diversity and Higher Relative Abundance of Enterobacter. Journal of Pediatrics, 2014, 165, 23-29.	1.8	306
7	Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes. Glycobiology, 2013, 23, 1281-1292.	2.5	296
8	Role of human-milk lactadherin in protectoin against symptomatic rotavirus infection. Lancet, The, 1998, 351, 1160-1164.	13.7	295
9	Innate protection conferred by fucosylated oligosaccharides of human milk against diarrhea in breastfed infants. Glycobiology, 2004, 14, 253-263.	2.5	228
10	The human milk oligosaccharide 2â€²-fucosyllactose modulates CD14 expression in human enterocytes, thereby attenuating LPS-induced inflammation. Gut, 2016, 65, 33-46.	12.1	217
11	The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota. Glycobiology, 2013, 23, 169-177.	2.5	200
12	Innate Immunity and Human Milk. Journal of Nutrition, 2005, 135, 1308-1312.	2.9	192
13	Oligosaccharides in Human Milk and Bacterial Colonization. Journal of Pediatric Gastroenterology and Nutrition, 2000, 30, S8-S17.	1.8	139
14	Oligosaccharides and glycoconjugates in human milk: Their role in host defense. Journal of Mammary Gland Biology and Neoplasia, 1996, 1, 271-283.	2.7	133
15	Human Milk Glycoproteins Protect Infants Against Human Pathogens. Breastfeeding Medicine, 2013, 8, 354-362.	1.7	121
16	Human Milk Components Modulate Toll-Like Receptorâ€“Mediated Inflammation. Advances in Nutrition, 2016, 7, 102-111.	6.4	114
17	Characteristics and Potential Functions of Human Milk Adiponectin. Journal of Pediatrics, 2010, 156, S41-S46.	1.8	100
18	The Human Milk Oligosaccharide 2â€²-Fucosyllactose Quenches Campylobacter jejuniâ€“Induced Inflammation in Human Epithelial Cells HEp-2 and HT-29 and in Mouse Intestinal Mucosa. Journal of Nutrition, 2016, 146, 1980-1990.	2.9	97

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19	Milk Oligosaccharide Profiles by Reversed-Phase HPLC of Their Perbenzoylated Derivatives. Analytical Biochemistry, 1997, 251, 89-97.	2.4	95
20	Quantification of neutral human milk oligosaccharides by graphitic carbon high-performance liquid chromatography with tandem mass spectrometry. Analytical Biochemistry, 2013, 433, 28-35.	2.4	93
21	A Human Milk Factor Inhibits Binding of Human Immunodeficiency Virus to the CD4 Receptor. Pediatric Research, 1992, 31, 22-28.	2.3	83
22	A longitudinal study of human milk composition in the second year postpartum: implications for human milk banking. Maternal and Child Nutrition, 2017, 13, .	3.0	77
23	Human Milk Oligosaccharides and Synthetic Galactosyloligosaccharides Contain 3â€²-, 4-, and 6â€²-Galactosyllactose and Attenuate Inflammation in Human T84, NCM-460, and H4 Cells and Intestinal Tissue Ex Vivo. Journal of Nutrition, 2016, 146, 358-367.	2.9	74
24	Human milk and infant intestinal mucosal glycans guide succession of the neonatal intestinal microbiota. Pediatric Research, 2015, 77, 115-120.	2.3	66
25	The role of indigenous microflora in the development of murine intestinal fucosylâ€•and sialyltransferases. FASEB Journal, 2003, 17, 44-46.	0.5	65
26	Effects of polysaccharopeptide fromTrametes Versicolorand amoxicillin on the gut microbiome of healthy volunteers. Gut Microbes, 2014, 5, 458-467.	9.8	64
27	Bacterial symbionts induce a FUT2-dependent fucosylated niche on colonic epithelium via ERK and JNK signaling. American Journal of Physiology - Renal Physiology, 2007, 293, G780-G787.	3.4	58
28	Intestinal microbiota of preterm infants differ over time and between hospitals. Microbiome, 2014, 2, 36.	11.1	58
29	Neonatal Gut Microbiota and Human Milk Glycans Cooperate to Attenuate Infection and Inflammation. Clinical Obstetrics and Gynecology, 2015, 58, 814-826.	1.1	42
30	Glucocorticoids and microbiota regulate ontogeny of intestinal fucosyltransferase 2 requisite for gut homeostasis. Glycobiology, 2013, 23, 1131-1141.	2.5	40
31	Trametes versicolor Extract Modifies Human Fecal Microbiota Composition In vitro. Plant Foods for Human Nutrition, 2013, 68, 107-112.	3.2	29
32	Minimal short-term effect of dietary 2'-fucosyllactose on bacterial colonisation, intestinal function and necrotising enterocolitis in preterm pigs. British Journal of Nutrition, 2016, 116, 834-841.	2.3	26
33	Lactodifucotetraose, a human milk oligosaccharide, attenuates platelet function and inflammatory cytokine release. Journal of Thrombosis and Thrombolysis, 2016, 42, 46-55.	2.1	19
34	Relative fermentation of oligosaccharides from human milk and plants by gut microbes. European Food Research and Technology, 2017, 243, 133-146.	3.3	19
35	Human Milk Oligosaccharides: Potential Applications in COVID-19. Biomedicines, 2022, 10, 346.	3.2	15
36	Musarin, a novel protein with tyrosine kinase inhibitory activity from Trametes versicolor, inhibits colorectal cancer stem cell growth. Biomedicine and Pharmacotherapy, 2021, 144, 112339.	5.6	7

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37	Human milk oligosaccharides vary among populations. American Journal of Clinical Nutrition, 2017, 105, 1027-1028.	4.7	5
38	Human Milk Oligosaccharide. , 2019, , 43-57.		4
39	Prevention of Rotavirusâ€induced Diarrhea. Journal of Pediatric Gastroenterology and Nutrition, 2012, 55, 2-2.	1.8	3
40	Human milk oligosaccharides and galactosyloligosaccharides attenuate inflammation in human intestine. FASEB Journal, 2015, 29, 252.1.	0.5	1
41	The human milk oligosaccharide, 2'â€fucosyllactose, quenches Campylobacter jejuni â€induced inflammation in intestinal mucosa. FASEB Journal, 2015, 29, 853.6.	0.5	1
42	Novel salivary and genetic biomarkers of risk for NEC or death in premature infants. FASEB Journal, 2009, 23, LB270.	0.5	0
43	Secretor phenotype and genotype are novel predictors of severe outcomes in premature infants. FASEB Journal, 2010, 24, 480.6.	0.5	0
44	Human milk mucins inhibit salmonella typhimurium invasion of human epithelial cells. FASEB Journal, 2011, 25, lb265.	0.5	0
45	Fucosylated TLRâ€4 signaling mediates microbial induction of intestinal fut2 expression. FASEB Journal, 2013, 27, 948.7.	0.5	0
46	Human milk components inhibit H1N1 influenza virus infection in vitro. FASEB Journal, 2013, 27, 629.2.	0.5	0