Bing Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8208722/publications.pdf

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31	1,768	394286 19	501076 28
papers	citations	h-index	g-index

31	31	31	1604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sialylated milk oligosaccharides alter neurotransmitters and brain metabolites in piglets: an In vivo magnetic resonance spectroscopic (MRS) study. Nutritional Neuroscience, 2021, 24, 885-895.	1.5	19
2	The non-human glycan, N-glycolylneuraminic acid (Neu5Gc), is not expressed in all organs and skeletal muscles of nine animal species. Food Chemistry, 2021, 343, 128439.	4.2	21
3	Current Perspective of Sialylated Milk Oligosaccharides in Mammalian Milk: Implications for Brain and Gut Health of Newborns. Foods, 2021, 10, 473.	1.9	25
4	Functional Correlates and Impact of Dietary Lactoferrin Intervention and its Concentrationâ€dependence on Neurodevelopment and Cognition in Neonatal Piglets. Molecular Nutrition and Food Research, 2021, 65, e2001099.	1.5	10
5	The Potential for Sialic Acid and Sialylated Glycoconjugates as Feed Additives to Enhance Pig Health and Production. Animals, 2021, 11, 2318.	1.0	1
6	Maternal chitosan oligosaccharide intervention optimizes the production performance and health status of gilts and their offspring. Animal Nutrition, 2020, 6, 134-142.	2.1	12
7	Serum lactoferrin concentration of primiparous sow during gestation and lactation, and comparison between sow-fed and formula-fed piglets1. Translational Animal Science, 2019, 3, 1410-1415.	0.4	0
8	Bovine Milk Oligosaccharides with Sialyllactose Improves Cognition in Preterm Pigs. Nutrients, 2019, 11, 1335.	1.7	60
9	Molecular Mechanisms Underlying How Sialyllactose Intervention Promotes Intestinal Maturity by Upregulating GDNF Through a CREB-Dependent Pathway in Neonatal Piglets. Molecular Neurobiology, 2019, 56, 7994-8007.	1.9	11
10	Characterization of porcine milk oligosaccharides over lactation between primiparous and multiparous female pigs. Scientific Reports, 2018, 8, 4688.	1.6	31
11	Biochemical Characterization and Analyses of Polysialicâ€Acidâ€Associated Carrier Proteins and Genes in Piglets during Neonatal Development. ChemBioChem, 2017, 18, 1270-1278.	1.3	5
12	Developmental changes in the level of free and conjugated sialic acids, Neu5Ac, Neu5Gc and KDN in different organs of pig: a LC-MS/MS quantitative analyses. Glycoconjugate Journal, 2017, 34, 21-30.	1.4	27
13	Dietary lactoferrin supplementation to gilts during gestation and lactation improves pig production and immunity. PLoS ONE, 2017, 12, e0185817.	1.1	23
14	Molecular Determinants of Milk Lactoferrin as a Bioactive Compound in Early Neurodevelopment and Cognition. Journal of Pediatrics, 2016, 173, S29-S36.	0.9	34
15	Molecular characterization and expression analyses of ST8Sia II and IV in piglets during postnatal development: lack of correlation between transcription and posttranslational levels. Glycoconjugate Journal, 2015, 32, 715-728.	1.4	7
16	Lactoferrin Promotes Early Neurodevelopment and Cognition in Postnatal Piglets by Upregulating the BDNF Signaling Pathway and Polysialylation. Molecular Neurobiology, 2015, 52, 256-269.	1.9	86
17	LCâ€“MS/MS glycomic analyses of free and conjugated forms of the sialic acids, Neu5Ac, Neu5Gc and KDN in human throat cancers. Glycobiology, 2015, 25, 1362-1374.	1.3	52
18	LCâ€“MS/MS quantification of N-acetylneuraminic acid, N-glycolylneuraminic acid and ketodeoxynonulosonic acid levels in the urine and potential relationship with dietary sialic acid intake and disease in 3- to 5-year-old children. British Journal of Nutrition, 2014, 111, 332-341.	1.2	53

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19	Lactoferrin up-regulates intestinal gene expression of brain-derived neurotrophic factors BDNF, UCHL1 and alkaline phosphatase activity to alleviate early weaning diarrhea in postnatal piglets. Journal of Nutritional Biochemistry, 2014, 25, 834-842.	1.9	42
20	Protective effects of maternal nutritional supplementation with lactoferrin on growth and brain metabolism. Pediatric Research, 2014, 75, 51-61.	1.1	33
21	Development of new population-averaged standard templates for spatial normalization and segmentation of MR images for postnatal piglet brains. Magnetic Resonance Imaging, 2014, 32, 1396-1402.	1.0	9
22	Molecular Mechanism Underlying Sialic Acid as an Essential Nutrient for Brain Development and Cognition. Advances in Nutrition, 2012, 3, 465S-472S.	2.9	189
23	Effects of maternal milk lactoferrin supplementation on neurodevelopment and neuroprotection. FASEB Journal, 2012, 26, 112.6.	0.2	0
24	Sialic Acid Is an Essential Nutrient for Brain Development and Cognition. Annual Review of Nutrition, 2009, 29, 177-222.	4.3	283
25	Dietary sialic acid supplementation improves learning and memory in piglets. American Journal of Clinical Nutrition, 2007, 85, 561-569.	2.2	252
26	Metabolic fate of intravenously administered N-acetylneuraminic acid-6-14C in newborn piglets. Asia Pacific Journal of Clinical Nutrition, 2007, 16, 110-5.	0.3	21
27	Molecular characterization of pig ST8Sia IVâ€"a critical gene for the formation of neural cell adhesion molecule and its response to sialic acid supplement in piglets. Nutritional Neuroscience, 2006, 9, 147-154.	1.5	11
28	Brain ganglioside and glycoprotein sialic acid in breastfed compared with formula-fed infants. American Journal of Clinical Nutrition, 2003, 78, 1024-1029.	2.2	162
29	A longitudinal study of salivary sialic acid in preterm infants: Comparison of human milkâ€"fed versus formula-fed infants. Journal of Pediatrics, 2001, 138, 914-916.	0.9	26
30	Concentration and distribution of sialic acid in human milk and infant formulas. American Journal of Clinical Nutrition, 2001, 74, 510-515.	2.2	211
31	Sialic Acid Concentration of Brain Gangliosides: Variation Among Eight Mammalian Species. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 119, 435-439.	0.8	52