

# Rita M Hickey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3414527/publications.pdf>

Version: 2024-02-01

46  
papers

1,818  
citations

361413

20  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifidobacteria exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , 2015, 5, 15782.	3.3	233
2	A comparative study of free oligosaccharides in the milk of domestic animals. <i>British Journal of Nutrition</i> , 2014, 111, 1313-1328.	2.3	195
3	Human milk oligosaccharides: Shaping the infant gut microbiota and supporting health. <i>Journal of Functional Foods</i> , 2020, 72, 104074.	3.4	159
4	Structural and functional characteristics of bovine milk protein glycosylation. <i>Glycobiology</i> , 2014, 24, 220-236.	2.5	136
5	Method for milk oligosaccharide profiling by 2-aminobenzamide labeling and hydrophilic interaction chromatography. <i>Glycobiology</i> , 2011, 21, 1317-1330.	2.5	128
6	The food glycome: A source of protection against pathogen colonization in the gastrointestinal tract. <i>International Journal of Food Microbiology</i> , 2010, 142, 1-13.	4.7	88
7	Exposure of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> to Milk Oligosaccharides Increases Adhesion to Epithelial Cells and Induces a Substantial Transcriptional Response. <i>PLoS ONE</i> , 2013, 8, e67224.	2.5	87
8	The role of oligosaccharides from human milk and other sources in prevention of pathogen adhesion. <i>International Dairy Journal</i> , 2012, 22, 141-146.	3.0	68
9	Anti-infective bovine colostrum oligosaccharides: <i>Campylobacter jejuni</i> as a case study. <i>International Journal of Food Microbiology</i> , 2012, 157, 182-188.	4.7	53
10	Transcriptional response of HT-29 intestinal epithelial cells to human and bovine milk oligosaccharides. <i>British Journal of Nutrition</i> , 2013, 110, 2127-2137.	2.3	53
11	From lab bench to formulated ingredient: Characterization, production, and commercialization of human milk oligosaccharides. <i>Journal of Functional Foods</i> , 2020, 72, 104052.	3.4	44
12	In Vitro Assessment of Marine <i>Bacillus</i> for Use as Livestock Probiotics. <i>Marine Drugs</i> , 2014, 12, 2422-2445.	4.6	40
13	Evolution of the bovine milk fatty acid profile “From colostrum to milk five days post parturition. <i>International Dairy Journal</i> , 2020, 104, 104655.	3.0	33
14	Bovine glycomacropeptide promotes the growth of <i>Bifidobacterium longum</i> ssp. <i>infantis</i> and modulates its gene expression. <i>Journal of Dairy Science</i> , 2018, 101, 6730-6741.	3.4	32
15	The intestinal glycome and its modulation by diet and nutrition. <i>Nutrition Reviews</i> , 2015, 73, 359-375.	5.8	30
16	Controlled Autolysis and Enzyme Release in a Recombinant Lactococcal Strain Expressing the Metalloendopeptidase Enterolysin A. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1744-1748.	3.1	28
17	Profiling temporal changes in bovine milk lactoferrin glycosylation using lectin microarrays. <i>Food Chemistry</i> , 2014, 165, 388-396.	8.2	26
18	Glycomacropeptide Reduces Intestinal Epithelial Cell Barrier Dysfunction and Adhesion of Enterohemorrhagic and Enteropathogenic <i>Escherichia coli</i> in Vitro. <i>Foods</i> , 2017, 6, 93.	4.3	26

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19	Methodologies for screening of bacteria-carbohydrate interactions: Anti-adhesive milk oligosaccharides as a case study. <i>Journal of Microbiological Methods</i> , 2012, 90, 53-59.	1.6	24
20	Defatted bovine milk fat globule membrane inhibits association of enterohaemorrhagic <i>Escherichia coli</i> O157:H7 with human HT-29 cells. <i>International Dairy Journal</i> , 2016, 59, 36-43.	3.0	23
21	Symposium review: Dairy-derived oligosaccharides-Their influence on host-microbe interactions in the gastrointestinal tract of infants. <i>Journal of Dairy Science</i> , 2020, 103, 3816-3827.	3.4	23
22	The predominant milk oligosaccharide 6-sialyllactose reduces the internalisation of <i>Pseudomonas aeruginosa</i> in human pneumocytes. <i>Journal of Functional Foods</i> , 2014, 6, 367-373.	3.4	20
23	Bovine colostrum-driven modulation of intestinal epithelial cells for increased commensal colonisation. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 2745-2758.	3.6	20
24	Human milk oligosaccharide-sharing by a consortium of infant derived <i>Bifidobacterium</i> species. <i>Scientific Reports</i> , 2022, 12, 4143.	3.3	20
25	Mining Milk for Factors which Increase the Adherence of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> to Intestinal Cells. <i>Foods</i> , 2018, 7, 196.	4.3	19
26	Lectin microarray profiling and monosaccharide analysis of bovine milk immunoglobulin G oligosaccharides during the first 10 days of lactation. <i>Food Science and Nutrition</i> , 2019, 7, 1564-1572.	3.4	19
27	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697 and Goat Milk Oligosaccharides Show Synergism In Vitro as Anti-Infectives against <i>Campylobacter jejuni</i> . <i>Foods</i> , 2020, 9, 348.	4.3	17
28	Development of biosensor-based assays to identify anti-infective oligosaccharides. <i>Analytical Biochemistry</i> , 2011, 410, 200-205.	2.4	15
29	Interrogation of Milk-Driven Changes to the Proteome of Intestinal Epithelial Cells by Integrated Proteomics and Glycomics. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1902-1917.	5.2	15
30	Whey Proteins in Infant Formula. , 2019, , 439-494.		15
31	Exploitation of Plasmid pMRC01 To Direct Transfer of Mobilizable Plasmids into Commercial Lactococcal Starter Strains. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2853-2858.	3.1	14
32	Detection of Galectin-3 Interaction with Commensal Bacteria. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3507-3510.	3.1	14
33	Oligosaccharides Isolated from MGO, Manuka Honey Inhibit the Adhesion of <i>Pseudomonas aeruginosa</i> , <i>Escherichia Coli</i> O157:H7 and <i>Staphylococcus Aureus</i> to Human HT-29 cells. <i>Foods</i> , 2019, 8, 446.	4.3	11
34	Milk-derived anti-infectives and their potential to combat bacterial and viral infection. <i>Journal of Functional Foods</i> , 2021, 81, 104442.	3.4	11
35	Glycosidase activities in bovine milk over lactation. <i>International Dairy Journal</i> , 2014, 35, 116-121.	3.0	10
36	Characterization and Analysis of Food-Sourced Carbohydrates. <i>Methods in Molecular Biology</i> , 2022, 2370, 67-95.	0.9	10

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37	Changes to the Oligosaccharide Profile of Bovine Milk at the Onset of Lactation. Dairy, 2020, 1, 284-296.	2.0	8
38	Bovine milk oligosaccharides as anti-adhesives against the respiratory tract pathogen Streptococcus pneumoniae. International Dairy Journal, 2018, 81, 87-94.	3.0	6
39	New insights on the colonization of the human gut by health-promoting bacteria. Applied Microbiology and Biotechnology, 2020, 104, 1511-1515.	3.6	6
40	A Whey Fraction Rich in Immunoglobulin G Combined with Bifidobacterium longum subsp. infantis ATCC 15697 Exhibits Synergistic Effects against Campylobacter jejuni. International Journal of Molecular Sciences, 2020, 21, 4632.	4.1	6
41	Immunoglobulin G from bovine milk primes intestinal epithelial cells for increased colonization of bifidobacteria. AMB Express, 2020, 10, 114.	3.0	6
42	Temporal alterations in the bovine buttermilk glycome from parturition to milk maturation. Food Chemistry, 2016, 211, 329-338.	8.2	5
43	The Role of Oligosaccharides in Host-Microbial Interactions for Human Health. Journal of Clinical Gastroenterology, 2016, 50, S131-S132.	2.2	4
44	Exploitation of SPR to Investigate the Importance of Glycan Chains in the Interaction between Lactoferrin and Bacteria. Sensors, 2017, 17, 1515.	3.8	2
45	The Role of Milk Oligosaccharides in Host-Microbial Interactions and Their Defensive Function in the Gut. , 2018, , 199-236.		2
46	Indigenous Oligosaccharides in Bovine Milk. , 2022, , 706-722.		2