

David A Sela

List of Publications by Year in descending order

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53
papers

4,473
citations

172457
29
h-index

214800
47
g-index

56
all docs

56
docs citations

56
times ranked

5606
citing authors

#	ARTICLE	IF	CITATIONS
1	Difference in levels of SARS-CoV-2 S1 and S2 subunits- and nucleocapsid protein-reactive SIgM/IgM, IgG and SIgA/IgA antibodies in human milk. <i>Journal of Perinatology</i> , 2021, 41, 850-859.	2.0	69
2	Nonprotein nitrogen and protein-derived peptides in human milk. , 2021, , 299-336.		0
3	Human Milk Antibodies against S1 and S2 Subunits from SARS-CoV-2, HCoV-OC43, and HCoV-229E in Mothers with a Confirmed COVID-19 PCR, Viral SYMPTOMS, and Unexposed Mothers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1749.	4.1	30
4	Cranberry Proanthocyanidins and Dietary Oligosaccharides Synergistically Modulate <i>Lactobacillus plantarum</i> Physiology. <i>Microorganisms</i> , 2021, 9, 656.	3.6	11
5	Prediagnostic White Blood Cell DNA Methylation and Risk of Breast Cancer in the Prostate Lung, Colorectal, and Ovarian Cancer Screening Trial (PLCO) Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 1575-1581.	2.5	1
6	Encapsulation of bifidobacterium in alginate microgels improves viability and targeted gut release. <i>Food Hydrocolloids</i> , 2021, 116, 106634.	10.7	57
7	Comparative Pangenomics of the Mammalian Gut Commensal <i>Bifidobacterium longum</i> . <i>Microorganisms</i> , 2020, 8, 7.	3.6	23
8	<i>Bifidobacterium infantis</i> Metabolizes 2â€²Fucosyllactose-Derived and Free Fucose Through a Common Catabolic Pathway Resulting in 1,2-Propanediol Secretion. <i>Frontiers in Nutrition</i> , 2020, 7, 583397.	3.7	22
9	The gastrointestinal fate of limonin and its effect on gut microbiota in mice. <i>Food and Function</i> , 2019, 10, 5521-5530.	4.6	12
10	Unveiling Genomic Diversity among Members of the Species <i>Bifidobacterium pseudolongum</i> , a Widely Distributed Gut Commensal of the Animal Kingdom. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	44
11	Nutritional Requirements of <i>Bifidobacteria</i> . , 2018, , 115-129.		3
12	Peyer's patch-specific <i>Lactobacillus reuteri</i> strains increase extracellular microbial DNA and antimicrobial peptide expression in the mouse small intestine. <i>Food and Function</i> , 2018, 9, 2989-2997.	4.6	4
13	Extending viability of <i>Lactobacillus plantarum</i> and <i>Lactobacillus johnsonii</i> by microencapsulation in alginate microgels. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 155-164.	2.8	13
14	Influence of sprouting environment on the microbiota of sprouts. <i>Journal of Food Safety</i> , 2018, 38, e12380.	2.3	7
15	A Vegetable Fermentation Facility Hosts Distinct Microbiomes Reflecting the Production Environment. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	27
16	Draft Genome Sequence of <i>Bifidobacterium longum</i> UMA026, Isolated from Holstein Dairy Cow Feces. <i>Genome Announcements</i> , 2018, 6, .	0.8	0
17	Inefficient Metabolism of the Human Milk Oligosaccharides Lacto-N-tetraose and Lacto-N-neotetraose Shifts <i>Bifidobacterium longum</i> subsp. <i>infantis</i> Physiology. <i>Frontiers in Nutrition</i> , 2018, 5, 46.	3.7	41
18	The comparative genomics of <i>Bifidobacterium callitrichos</i> reflects dietary carbohydrate utilization within the common marmoset gut. <i>Microbial Genomics</i> , 2018, 4, .	2.0	16

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19	The Host Microbiome Regulates and Maintains Human Health: A Primer and Perspective for Non-Microbiologists. <i>Cancer Research</i> , 2017, 77, 1783-1812.	0.9	270
20	A Human Gut Commensal Ferments Cranberry Carbohydrates To Produce Formate. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	35
21	Food-grade cationic antimicrobial $\hat{\mu}$ -polylysine transiently alters the gut microbial community and predicted metagenome function in CD-1 mice. <i>Npj Science of Food</i> , 2017, 1, 8.	5.5	31
22	Draft Genome Sequences of <i>Alloscardovia macacae</i> UMA81211 and UMA81212, Isolated from the Feces of a Rhesus Macaque (<i>Macaca mulatta</i>). <i>Genome Announcements</i> , 2017, 5, .	0.8	0
23	The Role of Human Milk Oligosaccharides in Hostâ€“Microbial Interactions. , 2017, , 185-206.		1
24	Handling stress may confound murine gut microbiota studies. <i>PeerJ</i> , 2017, 5, e2876.	2.0	18
25	Microencapsulation in Alginate and Chitosan Microgels to Enhance Viability of <i>Bifidobacterium longum</i> for Oral Delivery. <i>Frontiers in Microbiology</i> , 2016, 7, 494.	3.5	125
26	The Reciprocal Interactions between Polyphenols and Gut Microbiota and Effects on Bioaccessibility. <i>Nutrients</i> , 2016, 8, 78.	4.1	573
27	Bioengineering bacteriophages to enhance the sensitivity of phage amplification-based paper fluidic detection of bacteria. <i>Biosensors and Bioelectronics</i> , 2016, 82, 14-19.	10.1	46
28	Rapid screening of waterborne pathogens using phage-mediated separation coupled with real-time PCR detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4169-4178.	3.7	33
29	Genetic optimization of a bacteriophage-delivered alkaline phosphatase reporter to detect <i>Escherichia coli</i> . <i>Analyst, The</i> , 2016, 141, 5543-5548.	3.5	21
30	Correction: Microencapsulation of probiotics in hydrogel particles: enhancing <i>Lactococcus lactis</i> subsp. <i>cremoris</i> LM0230 viability using calcium alginate beads. <i>Food and Function</i> , 2016, 7, 2909-2909.	4.6	6
31	Development of a novel bacteriophage based biomagnetic separation method as an aid for sensitive detection of viable <i>Escherichia coli</i> . <i>Analyst, The</i> , 2016, 141, 1009-1016.	3.5	43
32	Microencapsulation of probiotics in hydrogel particles: enhancing <i>Lactococcus lactis</i> subsp. <i>cremoris</i> LM0230 viability using calcium alginate beads. <i>Food and Function</i> , 2016, 7, 1797-1804.	4.6	69
33	Validating bifidobacterial species and subspecies identity in commercial probiotic products. <i>Pediatric Research</i> , 2016, 79, 445-452.	2.3	125
34	Impact of $\hat{\mu}$ -polylysine and pectin on the potential gastrointestinal fate of emulsified lipids: In vitro mouth, stomach and small intestine model. <i>Food Chemistry</i> , 2016, 192, 857-864.	8.2	23
35	Foodâ€“grade antimicrobial Éâ€polylysine transiently perturbs the structure of the murine gut microbiome. <i>FASEB Journal</i> , 2016, 30, 683.3.	0.5	0
36	Comparative transcriptomics reveals key differences in the response to milk oligosaccharides of infant gut-associated bifidobacteria. <i>Scientific Reports</i> , 2015, 5, 13517.	3.3	144

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37	Glycan cross-feeding activities between bifidobacteria under in vitro conditions. <i>Frontiers in Microbiology</i> , 2015, 6, 1030.	3.5	74
38	Phage & phosphatase: a novel phage-based probe for rapid, multi-platform detection of bacteria. <i>Analyst</i> , The, 2015, 140, 7629-7636.	3.5	36
39	Milk bioactives may manipulate microbes to mediate parent-offspring conflict. <i>Evolution, Medicine and Public Health</i> , 2015, 2015, 106-121.	2.5	42
40	The marriage of nutrigenomics with the microbiome: the case of infant-associated bifidobacteria and milk. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 697S-703S.	4.7	36
41	Infant Gut Microbiota: Developmental Influences and Health Outcomes. , 2013, , 233-256.		13
42	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697 α -Fucosidases Are Active on Fucosylated Human Milk Oligosaccharides. <i>Applied and Environmental Microbiology</i> , 2012, 78, 795-803.	3.1	204
43	Bifidobacterial utilization of human milk oligosaccharides. <i>International Journal of Food Microbiology</i> , 2011, 149, 58-64.	4.7	88
44	An infant-associated bacterial commensal utilizes breast milk sialyloligosaccharides.. <i>Journal of Biological Chemistry</i> , 2011, 286, 23620.	3.4	3
45	An Infant-associated Bacterial Commensal Utilizes Breast Milk Sialyloligosaccharides. <i>Journal of Biological Chemistry</i> , 2011, 286, 11909-11918.	3.4	164
46	Broad Conservation of Milk Utilization Genes in <i>Bifidobacterium longum</i> subsp. <i>infantis</i> as Revealed by Comparative Genomic Hybridization. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7373-7381.	3.1	193
47	Nursing our microbiota: molecular linkages between bifidobacteria and milk oligosaccharides. <i>Trends in Microbiology</i> , 2010, 18, 298-307.	7.7	402
48	Glycoprofiling Bifidobacterial Consumption of Galacto-Oligosaccharides by Mass Spectrometry Reveals Strain-Specific, Preferential Consumption of Glycans. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7319-7325.	3.1	78
49	Comparative Analyses of Prophage-Like Elements Present in Bifidobacterial Genomes. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6929-6936.	3.1	45
50	Role of Hypermutability in the Evolution of the Genus <i>Oenococcus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 564-570.	2.2	70
51	The genome sequence of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> reveals adaptations for milk utilization within the infant microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18964-18969.	7.1	748
52	Glycoprofiling of Bifidobacterial Consumption of Human Milk Oligosaccharides Demonstrates Strain Specific, Preferential Consumption of Small Chain Glycans Secreted in Early Human Lactation. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8914-8919.	5.2	313
53	Characterization of the lactococcal group II intron target site in its native host. <i>Plasmid</i> , 2007, 58, 127-139.	1.4	1