

# Ben D Tall

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7371821/publications.pdf>

Version: 2024-02-01

90  
papers

4,875  
citations

87888

38  
h-index

98798

67  
g-index

92  
all docs

92  
docs citations

92  
times ranked

3459  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | <i>Cronobacter</i> gen. nov., a new genus to accommodate the biogroups of <i>Enterobacter sakazakii</i> , and proposal of <i>Cronobacter sakazakii</i> gen. nov., comb. nov., <i>Cronobacter malonaticus</i> sp. nov., <i>Cronobacter turicensis</i> sp. nov., <i>Cronobacter muytjensii</i> sp. nov., <i>Cronobacter dublinensis</i> sp. nov., <i>Cronobacter genomospecies</i> 1, and of three subspecies, <i>Cronobacter dublinensis</i> subsp. dublinensis subsp. nov., <i>Cronobacter dublinensis</i> subsp. lausannensis subsp. nov. and <i>Cronobacter dublinensis</i> subsp. <i>...</i> | 1.7  | 506       |
| 2  | A DNA Probe to Identify Enterohemorrhagic <i>Escherichia coli</i> of O157:H7 and Other Serotypes That Cause Hemorrhagic Colitis and Hemolytic Uremic Syndrome. <i>Journal of Infectious Diseases</i> , 1987, 156, 175-182.  | 4.0  | 429       |
| 3  | SAFETY, IMMUNOGENICITY, AND EFFICACY OF RECOMBINANT LIVE ORAL CHOLERA VACCINES, CVD 103 AND CVD 103-HgR. <i>Lancet, The</i> , 1988, 332, 467-470.   | 13.7 | 350       |
| 4  | Temperature regulation of virulence factors in the pathogen <i>Vibrio coralliilyticus</i> . <i>ISME Journal</i> , 2012, 6, 835-846.   | 9.8  | 218       |
| 5  | Studies in volunteers to evaluate candidate <i>Shigella</i> vaccines: further experience with a bivalent <i>Salmonella typhi</i> - <i>Shigella sonnei</i> vaccine and protection conferred by previous <i>Shigella sonnei</i> disease. <i>Vaccine</i> , 1990, 8, 353-357.   | 3.8  | 153       |
| 6  | <i>Yersinia pestis</i> pH 6 antigen forms fimbriae and is induced by intracellular association with macrophages. <i>Molecular Microbiology</i> , 1993, 8, 311-324.  | 2.5  | 150       |
| 7  | Re-examination of the taxonomic status of <i>Enterobacter helveticus</i> , <i>Enterobacter pulveris</i> and <i>Enterobacter turicensis</i> as members of the genus <i>Cronobacter</i> and their reclassification in the genera <i>Franconibacter</i> gen. nov. and <i>Siccibacter</i> gen. nov. as <i>Franconibacter helveticus</i> comb. nov., <i>Franconibacter pulveris</i> comb. nov. and <i>Siccibacter turicensis</i> comb. nov., respectively. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2402-2410.   | 1.7  | 136       |
| 8  | <i>Cronobacter</i> species (formerly known as <i>Enterobacter sakazakii</i> ) in powdered infant formula: a review of our current understanding of the biology of this bacterium. <i>Journal of Applied Microbiology</i> , 2012, 113, 1-15.   | 3.1  | 128       |
| 9  | Occurrence and antibiotic resistance of multiple <i>Salmonella</i> serotypes recovered from water, sediment and soil on mid-Atlantic tomato farms. <i>Environmental Research</i> , 2012, 114, 31-39.  | 7.5  | 115       |
| 10 | <i>Salmonella enterica</i> serovar Infantis from Food and Human Infections, Switzerland, 2010-2015: Poultry-Related Multidrug Resistant Clones and an Emerging ESBL Producing Clonal Lineage. <i>Frontiers in Microbiology</i> , 2017, 8, 1322.   | 3.5  | 101       |
| 11 | <i>Cronobacter</i> spp. - opportunistic food-borne pathogens. A review of their virulence and environmental-adaptive traits. <i>Journal of Medical Microbiology</i> , 2014, 63, 1023-1037.  | 1.8  | 100       |
| 12 | Characterization of the Zinc-Containing Metalloprotease Encoded by <i>zpx</i> and Development of a Species-Specific Detection Method for <i>Enterobacter sakazakii</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 4142-4151.   | 3.1  | 99        |
| 13 | Characterization of Putative Virulence Genes on the Related RepFIB Plasmids Harbored by <i>Cronobacter</i> spp. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3255-3267.  | 3.1  | 96        |
| 14 | <i>Shigella flexneri</i> IpaH 7.8 Facilitates Escape of Virulent Bacteria from the Endocytic Vacuoles of Mouse and Human Macrophages. <i>Infection and Immunity</i> , 2000, 68, 3608-3619.  | 2.2  | 93        |
| 15 | Molecular Characterization of <i>Cronobacter</i> Lipopolysaccharide O-Antigen Gene Clusters and Development of Serotype-Specific PCR Assays. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4017-4026.   | 3.1  | 91        |
| 16 | Immunization of rabbits with enterotoxigenic <i>E. coli</i> colonization factor antigen (CFA/I) encapsulated in biodegradable microspheres of poly (lactide-co-glycolide). <i>Vaccine</i> , 1993, 11, 155-158.  | 3.8  | 79        |
| 17 | <i>Cpa</i> , the Outer Membrane Protease of <i>Cronobacter sakazakii</i> , Activates Plasminogen and Mediates Resistance to Serum Bactericidal Activity. <i>Infection and Immunity</i> , 2011, 79, 1578-1587.   | 2.2  | 78        |
| 18 | Pan-genome analysis of the emerging foodborne pathogen <i>Cronobacter</i> spp. suggests a species-level bidirectional divergence driven by niche adaptation. <i>BMC Genomics</i> , 2013, 14, 366.   | 2.8  | 78        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Acute diarrhea in Baltimore children attending an outpatient clinic. <i>Pediatric Infectious Disease Journal</i> , 1988, 7, 753-759.  | 2.0 | 74        |
| 20 | Characterization of <i>Aeromonas hydrophila</i> Wound Pathotypes by Comparative Genomic and Functional Analyses of Virulence Genes. <i>MBio</i> , 2013, 4, e00064-13.   | 4.1 | 71        |
| 21 | Functional Heterogeneity of RpoS in Stress Tolerance of Enterohemorrhagic <i>Escherichia coli</i> Strains. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4978-4986.   | 3.1 | 65        |
| 22 | BACTERIAL ADHERENCE AND VIABILITY ON CUTTING BOARD SURFACES. <i>Journal of Food Safety</i> , 1994, 14, 153-172.   | 2.3 | 61        |
| 23 | Characterization of Enterohemorrhagic <i>Escherichia coli</i> Strains Based on Acid Resistance Phenotypes. <i>Infection and Immunity</i> , 2005, 73, 4993-5003.   | 2.2 | 61        |
| 24 | Multiplex PCR Assay Targeting a Diguanylate Cyclase-Encoding Gene, <i>cgcA</i> , To Differentiate Species within the Genus <i>Cronobacter</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 734-737.  | 3.1 | 61        |
| 25 | Complete genome sequence and phenotype microarray analysis of <i>Cronobacter sakazakii</i> SP291: a persistent isolate cultured from a powdered infant formula production facility. <i>Frontiers in Microbiology</i> , 2013, 4, 256.                              | 3.5 | 61        |
| 26 | <i>Cronobacter</i> spp. (previously <i>Enterobacter sakazakii</i> ) invade and translocate across both cultured human intestinal epithelial cells and human brain microvascular endothelial cells. <i>Microbial Pathogenesis</i> , 2012, 52, 140-147.             | 2.9 | 56        |
| 27 | Genomic and Phenotypic Characterization of <i>Vibrio cholerae</i> Non-O1 Isolates from a US Gulf Coast Cholera Outbreak. <i>PLoS ONE</i> , 2014, 9, e86264.   | 2.5 | 54        |
| 28 | Enhanced Microscopic Definition of <i>Campylobacter jejuni</i> 81-176 Adherence to, Invasion of, Translocation across, and Exocytosis from Polarized Human Intestinal Caco-2 Cells. <i>Infection and Immunity</i> , 2008, 76, 5294-5304.                          | 2.2 | 52        |
| 29 | Hemolysin-Positive Enteroaggregative and Cell-Detaching <i>Escherichia coli</i> Strains Cause Oncosis of Human Monocyte-Derived Macrophages and Apoptosis of Murine J774 Cells. <i>Infection and Immunity</i> , 1998, 66, 3918-3924.                              | 2.2 | 52        |
| 30 | Diversity, distribution and antibiotic resistance of <i>Enterococcus</i> spp. recovered from tomatoes, leaves, water and soil on U.S. Mid-Atlantic farms. <i>Food Microbiology</i> , 2013, 36, 465-474.   | 4.2 | 49        |
| 31 | Osmoregulated periplasmic glucans of <i>Salmonella enterica</i> serovar Typhimurium are required for optimal virulence in mice. <i>Microbiology (United Kingdom)</i> , 2009, 155, 229-237.  | 1.8 | 48        |
| 32 | Purification and Characterization of Enterotoxigenic El Tor-Like Hemolysin Produced by <i>Vibrio fluvialis</i> . <i>Infection and Immunity</i> , 2003, 71, 3213-3220.   | 2.2 | 47        |
| 33 | Analysis of the cellulose synthase operon genes, <i>bcsA</i> , <i>bcsB</i> , and <i>bcsC</i> in <i>Cronobacter</i> species: Prevalence among species and their roles in biofilm formation and cell-cell aggregation. <i>Food Microbiology</i> , 2015, 52, 97-105. | 4.2 | 45        |
| 34 | Identification and Characterization of <i>Cronobacter</i> Iron Acquisition Systems. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6035-6050.  | 3.1 | 44        |
| 35 | <i>Vibrio cholerae</i> Hemolysin Is Required for Lethality, Developmental Delay, and Intestinal Vacuolation in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2010, 5, e11558.   | 2.5 | 43        |
| 36 | <i>Cronobacter</i> : An Emergent Pathogen Causing Meningitis to Neonates through their Feeds. <i>Science Progress</i> , 2014, 97, 154-172.  | 1.9 | 40        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | RNA Sequencing-Based Transcriptional Overview of Xerotolerance in <i>Cronobacter sakazakii</i> SP291. <i>Applied and Environmental Microbiology</i> , 2019, 85, .  | 3.1 | 40        |
| 38 | Identification of foodborne bacteria by infrared spectroscopy using cellular fatty acid methyl esters. <i>Journal of Microbiological Methods</i> , 2003, 55, 709-716.  | 1.6 | 39        |
| 39 | Characterization of <i>Vibrio fluvialis</i> -Like Strains Implicated in Limp Lobster Disease. <i>Applied and Environmental Microbiology</i> , 2003, 69, 7435-7446.   | 3.1 | 39        |
| 40 | Comparative Genotypic and Phenotypic Analysis of <i>Cronobacter</i> Species Cultured from Four Powdered Infant Formula Production Facilities: Indication of Pathoadaptation along the Food Chain. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4388-4402.                 | 3.1 | 39        |
| 41 | Identification and Characterization of Five New Molecular Serogroups of <i>Cronobacter</i> spp.. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 343-352.   | 1.8 | 37        |
| 42 | Purification and Characterization of a <i>Vulnificolysin</i> -Like Cytolysin Produced by <i>Vibrio tubiashii</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 3707-3711.  | 3.1 | 32        |
| 43 | Physical Limitations on <i>Salmonella typhi</i> Entry into Cultured Human Intestinal Epithelial Cells. <i>Infection and Immunity</i> , 1998, 66, 2928-2937.  | 2.2 | 32        |
| 44 | Comparative Genomic Characterization of the Highly Persistent and Potentially Virulent <i>Cronobacter sakazakii</i> ST83, CC65 Strain H322 and Other ST83 Strains. <i>Frontiers in Microbiology</i> , 2017, 8, 1136.   | 3.5 | 31        |
| 45 | The evaluation of a PCR-based method for identification of <i>Salmonella enterica</i> serotypes from environmental samples and various food matrices. <i>Food Microbiology</i> , 2012, 31, 199-209.  | 4.2 | 29        |
| 46 | A proposed harmonized LPS molecular-subtyping scheme for <i>Cronobacter</i> species. <i>Food Microbiology</i> , 2015, 50, 38-43.   | 4.2 | 29        |
| 47 | Draft genomes of <i>Cronobacter sakazakii</i> strains isolated from dried spices bring unique insights into the diversity of plant-associated strains. <i>Standards in Genomic Sciences</i> , 2018, 13, 35.  | 1.5 | 29        |
| 48 | The Secretion of Toxins and Other Exoproteins of <i>Cronobacter</i> : Role in Virulence, Adaption, and Persistence. <i>Microorganisms</i> , 2020, 8, 229.  | 3.6 | 29        |
| 49 | Isolation and characterization of a zinc-containing metalloprotease expressed by <i>Vibrio tubiashii</i> . <i>Canadian Journal of Microbiology</i> , 2003, 49, 525-529.  | 1.7 | 28        |
| 50 | Fabrication of Polymerase Chain Reaction Plastic Lab-on-a-Chip Device for Rapid Molecular Diagnoses. <i>International Neurourology Journal</i> , 2016, 20, S38-48.   | 1.2 | 28        |
| 51 | Analysis and Characterization of Proteins Associated with Outer Membrane Vesicles Secreted by <i>Cronobacter</i> spp.. <i>Frontiers in Microbiology</i> , 2017, 8, 134.  | 3.5 | 28        |
| 52 | Inhibition of Skeletal Muscle Protein Synthesis in Septic Intra-abdominal Abscess. <i>Journal of Trauma</i> , 1988, 28, 981-988.   | 2.3 | 26        |
| 53 | Analysis of enterotoxigenic <i>Bacillus cereus</i> strains from dried foods using whole genome sequencing, multi-locus sequence analysis and toxin gene prevalence and distribution using endpoint PCR analysis. <i>International Journal of Food Microbiology</i> , 2018, 284, 31-39. | 4.7 | 26        |
| 54 | Linking Genomo- and Pathotype: Exploiting the Zebrafish Embryo Model to Investigate the Divergent Virulence Potential among <i>Cronobacter</i> spp.. <i>PLoS ONE</i> , 2016, 11, e0158428.   | 2.5 | 25        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Uptake pathways of clinical isolates of <i>Proteus mirabilis</i> into human epithelial cell lines. <i>Microbial Pathogenesis</i> , 1996, 21, 1-16.   | 2.9 | 24        |
| 56 | Ingested <i>Salmonella enterica</i> , <i>Cronobacter sakazakii</i> , <i>Escherichia coli</i> O157:H7, and <i>Listeria monocytogenes</i> : transmission dynamics from adult house flies to their eggs and first filial (F1) generation adults. <i>BMC Microbiology</i> , 2015, 15, 150. | 3.3 | 22        |
| 57 | Genomic characterization of malonate positive <i>Cronobacter sakazakii</i> serotype O:2, sequence type 64 strains, isolated from clinical, food, and environment samples. <i>Gut Pathogens</i> , 2018, 10, 11.   | 3.4 | 22        |
| 58 | Genome-wide survey of efflux pump-coding genes associated with <i>Cronobacter</i> survival, osmotic adaptation, and persistence. <i>Current Opinion in Food Science</i> , 2019, 30, 32-42.   | 8.0 | 21        |
| 59 | Scanning Electron Microscopy of <i>Cristispira</i> Species in Chesapeake Bay Oysters. <i>Applied and Environmental Microbiology</i> , 1981, 42, 336-343.   | 3.1 | 21        |
| 60 | Genomic Evidence Reveals Numerous <i>Salmonella enterica</i> Serovar Newport Reintroduction Events in Suwannee Watershed Irrigation Ponds. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8243-8253.  | 3.1 | 19        |
| 61 | Whole-Genome Sequences of <i>Cronobacter sakazakii</i> Isolates Obtained from Foods of Plant Origin and Dried-Food Manufacturing Environments. <i>Genome Announcements</i> , 2018, 6, .  | 0.8 | 19        |
| 62 | Analysis of the Molecular Diversity Among <i>Cronobacter</i> Species Isolated From Filth Flies Using Targeted PCR, Pan Genomic DNA Microarray, and Whole Genome Sequencing Analyses. <i>Frontiers in Microbiology</i> , 2020, 11, 561204.  | 3.5 | 17        |
| 63 | Prevalence of <i>Cronobacter</i> spp. and <i>Salmonella</i> in Milk Powder Manufacturing Facilities in the United States. <i>Journal of Food Protection</i> , 2020, 83, 1685-1692.   | 1.7 | 16        |
| 64 | Rugosity in <i>Grimontia hollisae</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 1215-1224.   | 3.1 | 14        |
| 65 | Isolation and Characterization of <i>Vibrio tubiashii</i> Outer Membrane Proteins and Determination of a <i>toxR</i> Homolog. <i>Applied and Environmental Microbiology</i> , 2008, 74, 907-911.   | 3.1 | 12        |
| 66 | The Pathogen-annotated Tracking Resource Network (PATRN) system: A web-based resource to aid food safety, regulatory science, and investigations of foodborne pathogens and disease. <i>Food Microbiology</i> , 2013, 34, 303-318.   | 4.2 | 11        |
| 67 | Genome Sequence of <i>Cronobacter sakazakii</i> Serogroup O:4, Sequence Type 4 Strain CDC 2009-03746, Isolated from a Fatal Case of Infantile Meningitis. <i>Genome Announcements</i> , 2015, 3, .   | 0.8 | 11        |
| 68 | Draft Genome Sequence of <i>Cronobacter sakazakii</i> GP1999, Sequence Type 145, an Epiphytic Isolate Obtained from the Tomato's Rhizoplane/Rhizosphere Continuum. <i>Genome Announcements</i> , 2017, 5, .  | 0.8 | 9         |
| 69 | Prevalence, Distribution, and Phylogeny of Type Two Toxin-Antitoxin Genes Possessed by <i>Cronobacter</i> Species where <i>C. sakazakii</i> Homologs Follow Sequence Type Lineages. <i>Microorganisms</i> , 2019, 7, 554.  | 3.6 | 8         |
| 70 | <i>Cronobacter</i> Species. , 2019, , 389-414.   |     | 8         |
| 71 | Alterations in the Transcriptional Landscape Allow Differential Desiccation Tolerance in Clinical <i>Cronobacter sakazakii</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, e0083021.   | 3.1 | 8         |
| 72 | Increased secretion of exopolysaccharide and virulence potential of a mucoid variant of <i>Salmonella enterica</i> serovar Montevideo under environmental stress. <i>Microbial Pathogenesis</i> , 2017, 103, 107-113.  | 2.9 | 7         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 73 | Environmental risk factors associated with the survival, persistence, and thermal tolerance of <i>Cronobacter sakazakii</i> during the manufacture of powdered infant formula. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 12224-12239.  | 10.3 | 7         |
| 74 | Detection by Immune Electron Microscopy of 27-nm Viral Particles Associated with Community-Acquired Diarrhea in Children. <i>Journal of Infectious Diseases</i> , 1990, 161, 571-573.  | 4.0  | 6         |
| 75 | Use of a Pan-Genomic DNA Microarray in Determination of the Phylogenetic Relatedness among <i>Cronobacter</i> spp. and Its Use as a Data Mining Tool to Understand <i>Cronobacter</i> Biology. <i>Microarrays (Basel, Switzerland)</i> , 2017, 6, 6.   | 1.4  | 6         |
| 76 | Characterization of <i>Cronobacter sakazakii</i> Strains Originating from Plant-Origin Foods Using Comparative Genomic Analyses and Zebrafish Infectivity Studies. <i>Microorganisms</i> , 2022, 10, 1396.   | 3.6  | 6         |
| 77 | Genome Sequence of an <i>Enterobacter helveticus</i> Strain, 1159/04 (LMG 23733), Isolated from Fruit Powder. <i>Genome Announcements</i> , 2013, 1, .   | 0.8  | 5         |
| 78 | Diverse profiles of N-acyl-homoserine lactones in biofilm forming isolates of <i>Cronobacter sakazakii</i> . <i>Virulence</i> , 2017, 8, 246-247.  | 4.4  | 5         |
| 79 | Genome Sequence of <i>Enterobacter turicensis</i> Strain 610/05 (LMG 23731), Isolated from Fruit Powder. <i>Genome Announcements</i> , 2013, 1, .  | 0.8  | 4         |
| 80 | Complete genome sequences and genomic characterization of five plasmids harbored by environmentally persistent <i>Cronobacter sakazakii</i> strains ST83 H322 and ST64 GK1025B obtained from powdered infant formula manufacturing facilities. <i>Gut Pathogens</i> , 2022, 14, .                      | 3.4  | 4         |
| 81 | Influence of iron-chelated growth conditions on outer membrane protein production and virulence of <i>Vibrio tubiashii</i> . <i>Food Microbiology</i> , 2011, 28, 1409-1413.   | 4.2  | 3         |
| 82 | Genome Sequences of Two <i>Enterobacter pulveris</i> Strains, 601/05 T (=LMG 24057 T =DSM 19144 T) and 1160/04 (=LMG 24058 =DSM 19146), Isolated from Fruit Powder. <i>Genome Announcements</i> , 2013, 1, .   | 0.8  | 3         |
| 83 | Advancements in Microarray Utility for Detection and Tracking of Foodborne Microbes in the Genomic Era. <i>Advanced Techniques in Biology &amp; Medicine</i> , 2017, 05, .   | 0.1  | 2         |
| 84 | Cloning and partial characterization of a novel hemolysin gene of <i>Vibrio tubiashii</i> and the development of a PCR-based detection assay. <i>Canadian Journal of Microbiology</i> , 2011, 57, 714-721.   | 1.7  | 1         |
| 85 | <i>Cronobacter</i> species. , 2021, , 265-283.   |      | 1         |
| 86 | A 16S rRNA Sequencing Study Describing the Environmental Microbiota of Two Powdered Infant Formula Built Facilities. <i>Foodborne Pathogens and Disease</i> , 2022, 19, 473-484.   | 1.8  | 1         |
| 87 | Purification and Characterization of a Rabbit Serum Factor That Kills <i>Listeria</i> Species and Other Foodborne Bacterial Pathogens. <i>Foodborne Pathogens and Disease</i> , 2016, 13, 441-447.   | 1.8  | 0         |
| 88 | 38. <i>Cronobacter</i> Species. , 2015, , .  |      | 0         |
| 89 | DETERMINATION OF THE PHYLOGENETIC RELATEDNESS OF <i>CRONOBACTER</i> SPP. ISOLATED FROM POWDERED INFANT FORMULA RETAILED IN NIGERIA USING PAN-GENOMIC DNA MICROARRAY. <i>International Journal of Research -GRANTHAALAYAH</i> , 2018, 6, 327-340.   | 0.1  | 0         |
| 90 | Phylogenomic Analysis of <i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar <i>Bovismorbificans</i> from Clinical and Food Samples Using Whole Genome Wide Core Genes and kmer Binning Methods to Identify Two Distinct Polyphyletic Genome Pathotypes. <i>Microorganisms</i> , 2022, 10, 1199. | 3.6  | 0         |