

# David Berry

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

9,620  
citations

57631

44  
h-index

40881

93  
g-index

107  
all docs

107  
docs citations

107  
times ranked

14401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid synthesis at the trophic base as the source for energy management to build complex structures. <i>Current Opinion in Biotechnology</i> , 2022, 73, 364-373.	3.3	1
2	Persistence of the antagonistic effects of a natural mixture of <i>Alternaria</i> mycotoxins on the estrogen-like activity of human feces after anaerobic incubation. <i>Toxicology Letters</i> , 2022, 358, 88-99.	0.4	4
3	Ecological Processes Shaping Microbiomes of Extremely Low Birthweight Infants. <i>Frontiers in Microbiology</i> , 2022, 13, 812136.	1.5	5
4	Differential Modulation of the European Sea Bass Gut Microbiota by Distinct Insect Meals. <i>Frontiers in Microbiology</i> , 2022, 13, 831034.	1.5	17
5	Individuality of the Extremely Premature Infant Gut Microbiota Is Driven by Ecological Drift. <i>MSystems</i> , 2022, 7, e0016322.	1.7	4
6	Next-generation biomonitoring of the early-life chemical exposome in neonatal and infant development. <i>Nature Communications</i> , 2022, 13, 2653.	5.8	23
7	Targeting Gut Bacteria Using Inulin- $\alpha$ -Conjugated Mesoporous Silica Nanoparticles ( <i>Adv. Mater.</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.9	1.9	1
8	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber. <i>Microbiome</i> , 2022, 10, 77.	4.9	31
9	Individual Sweet Taste Perception Influences Salivary Characteristics After Orosensory Stimulation With Sucrose and Noncaloric Sweeteners. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	1
10	Early-life chemical exposome and gut microbiome development: African research perspectives within a global environmental health context. <i>Trends in Microbiology</i> , 2022, 30, 1084-1100.	3.5	13
11	SRS-FISH: A high-throughput platform linking microbiome metabolism to identity at the single-cell level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	17
12	Optofluidic Raman-activated cell sorting for targeted genome retrieval or cultivation of microbial cells with specific functions. <i>Nature Protocols</i> , 2021, 16, 634-676.	5.5	41
13	Reduced alpha diversity of the oral microbiome correlates with short progression-free survival in patients with relapsed/refractory multiple myeloma treated with ixazomib-based therapy (AGMT MM 1.) Tj ETQq1 1 0.784314 rgBT /Overlock 1.9	1.9	1
14	Transkingdom interactions between <i>Lactobacilli</i> and hepatic mitochondria attenuate western diet-induced diabetes. <i>Nature Communications</i> , 2021, 12, 101.	5.8	86
15	Polyphenol Exposure, Metabolism, and Analysis: A Global Exposomics Perspective. <i>Annual Review of Food Science and Technology</i> , 2021, 12, 461-484.	5.1	17
16	In vitro interactions of <i>Alternaria</i> mycotoxins, an emerging class of food contaminants, with the gut microbiota: a bidirectional relationship. <i>Archives of Toxicology</i> , 2021, 95, 2533-2549.	1.9	12
17	An Economical and Flexible Dual Barcoding, Two-Step PCR Approach for Highly Multiplexed Amplicon Sequencing. <i>Frontiers in Microbiology</i> , 2021, 12, 669776.	1.5	48
18	Anaerobic Sulfur Oxidation Underlies Adaptation of a Chemosynthetic Symbiont to Oxic-Anoxic Interfaces. <i>MSystems</i> , 2021, 6, e0118620.	1.7	10

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19	Combined hormonal contraceptives are associated with minor changes in composition and diversity in gut microbiota of healthy women. <i>Environmental Microbiology</i> , 2021, 23, 3037-3047.	1.8	20
20	Handling of spurious sequences affects the outcome of high-throughput 16S rRNA gene amplicon profiling. <i>ISME Communications</i> , 2021, 1, .	1.7	60
21	Gilbert's Syndrome and the Gut Microbiota – Insights From the Case-Control BILIHEALTH Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 701109.	1.8	4
22	Aberrant gut-microbiota-immune-brain axis development in premature neonates with brain damage. <i>Cell Host and Microbe</i> , 2021, 29, 1558-1572.e6.	5.1	80
23	Mucosal Biofilms Are an Endoscopic Feature of Irritable Bowel Syndrome and Ulcerative Colitis. <i>Gastroenterology</i> , 2021, 161, 1245-1256.e20.	0.6	55
24	Long-Term Consumption of Anthocyanin-Rich Fruit Juice: Impact on Gut Microbiota and Antioxidant Markers in Lymphocytes of Healthy Males. <i>Antioxidants</i> , 2021, 10, 27.	2.2	11
25	A Mixed-Lipid Emulsion Containing Fish Oil for the Parenteral Nutrition of Preterm Infants: No Impact on Visual Neuronal Conduction. <i>Nutrients</i> , 2021, 13, 4241.	1.7	0
26	Raman microspectroscopy for microbiology. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	57
27	The role of gut microbiota, butyrate and proton pump inhibitors in amyotrophic lateral sclerosis: a systematic review. <i>International Journal of Neuroscience</i> , 2020, 130, 727-735.	0.8	14
28	Rational design of a microbial consortium of mucosal sugar utilizers reduces <i>Clostridiodes difficile</i> colonization. <i>Nature Communications</i> , 2020, 11, 5104.	5.8	177
29	Conversion of Rutin, a Prevalent Dietary Flavonol, by the Human Gut Microbiota. <i>Frontiers in Microbiology</i> , 2020, 11, 585428.	1.5	47
30	STILLLEBEN with Symbionts. <i>Performance Research</i> , 2020, 25, 83-87.	0.2	0
31	Gut microbiota and undigested food constituents modify toxin composition and suppress the genotoxicity of a naturally occurring mixture of <i>Alternaria</i> toxins in vitro. <i>Archives of Toxicology</i> , 2020, 94, 3541-3552.	1.9	13
32	Crypt residing bacteria and proximal colonic carcinogenesis in a mouse model of Lynch syndrome. <i>International Journal of Cancer</i> , 2020, 147, 2316-2326.	2.3	20
33	Transparent soil microcosms for live-cell imaging and non-destructive stable isotope probing of soil microorganisms. <i>ELife</i> , 2020, 9, .	2.8	36
34	Spotlight on how microbes influence their host's behavior. <i>Environmental Microbiology</i> , 2019, 21, 3185-3187.	1.8	2
35	Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota. <i>Nutrients</i> , 2019, 11, 2634.	1.7	22
36	A fiber-deprived diet disturbs the fine-scale spatial architecture of the murine colon microbiome. <i>Nature Communications</i> , 2019, 10, 4366.	5.8	82

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37	Antioxidative activity and health benefits of anthocyanin-rich fruit juice in healthy volunteers. <i>Free Radical Research</i> , 2019, 53, 1045-1055.	1.5	74
38	<i>Mucispirillum schaedleri</i> Antagonizes <i>Salmonella</i> Virulence to Protect Mice against Colitis. <i>Cell Host and Microbe</i> , 2019, 25, 681-694.e8.	5.1	205
39	An automated Raman-based platform for the sorting of live cells by functional properties. <i>Nature Microbiology</i> , 2019, 4, 1035-1048.	5.9	170
40	Up-close and personal with the human microbiome. <i>Environmental Microbiology Reports</i> , 2019, 11, 17-19.	1.0	0
41	Microbial nitrogen limitation in the mammalian large intestine. <i>Nature Microbiology</i> , 2018, 3, 1441-1450.	5.9	107
42	Fluorinated Gold Nanoparticles for Nanostructure Imaging Mass Spectrometry. <i>ACS Nano</i> , 2018, 12, 6938-6948.	7.3	37
43	Stable-Isotope Probing of Human and Animal Microbiome Function. <i>Trends in Microbiology</i> , 2018, 26, 999-1007.	3.5	57
44	Long-distance electron transport in individual, living cable bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5786-5791.	3.3	104
45	Lifestyle and Horizontal Gene Transfer-Mediated Evolution of <i>Mucispirillum schaedleri</i> , a Core Member of the Murine Gut Microbiota. <i>MSystems</i> , 2017, 2, .	1.7	148
46	HuR Small-Molecule Inhibitor Elicits Differential Effects in Adenomatosis Polyposis and Colorectal Carcinogenesis. <i>Cancer Research</i> , 2017, 77, 2424-2438.	0.4	75
47	A 12-week intervention with nonivamide, a TRPV1 agonist, prevents a dietary-induced body fat gain and increases peripheral serotonin in moderately overweight subjects. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600731.	1.5	31
48	Microbial nutrient niches in the gut. <i>Environmental Microbiology</i> , 2017, 19, 1366-1378.	1.8	258
49	Hidden potential: diet-driven changes in redox level shape the rumen microbiome. <i>Environmental Microbiology</i> , 2017, 19, 19-20.	1.8	4
50	Vitamin and Amino Acid Auxotrophy in Anaerobic Consortia Operating under Methanogenic Conditions. <i>MSystems</i> , 2017, 2, .	1.7	28
51	Pediatric obesity is associated with an altered gut microbiota and discordant shifts in <i>Firmicutes</i> populations. <i>Environmental Microbiology</i> , 2017, 19, 95-105.	1.8	326
52	The unexpected versatility of the cellulosome. <i>Environmental Microbiology</i> , 2017, 19, 13-14.	1.8	2
53	Genome-guided design of a defined mouse microbiota that confers colonization resistance against <i>Salmonella enterica</i> serovar Typhimurium. <i>Nature Microbiology</i> , 2017, 2, 16215.	5.9	313
54	Allspice and Clove As Source of Triterpene Acids Activating the G Protein-Coupled Bile Acid Receptor TGR5. <i>Frontiers in Pharmacology</i> , 2017, 8, 468.	1.6	24

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55	Members of the Oral Microbiota Are Associated with IL-8 Release by Gingival Epithelial Cells in Healthy Individuals. <i>Frontiers in Microbiology</i> , 2017, 08, 416.	1.5	17
56	Vibrational Spectroscopy for Imaging Single Microbial Cells in Complex Biological Samples. <i>Frontiers in Microbiology</i> , 2017, 8, 675.	1.5	51
57	Evaluating the Detection of Hydrocarbon-Degrading Bacteria in 16S rRNA Gene Sequencing Surveys. <i>Frontiers in Microbiology</i> , 2017, 8, 896.	1.5	25
58	Bottled aqua incognita: microbiota assembly and dissolved organic matter diversity in natural mineral waters. <i>Microbiome</i> , 2017, 5, 126.	4.9	26
59	Enrichment of Fusobacteria in Sea Surface Oil Slicks from the Deepwater Horizon Oil Spill. <i>Microorganisms</i> , 2016, 4, 24.	1.6	23
60	760 Bacterial Translocation Into the Mucus of Crypts Is Associated With Proximal Colonic Tumorigenesis in IL-10 <sup>-/-</sup> x MSH2loxP/loxP Vill-cre (DKO) Mice. <i>Gastroenterology</i> , 2016, 150, S154.	0.6	0
61	Making It Stick: A Compelling Case for Precision Microbiome Reconstitution. <i>Cell Host and Microbe</i> , 2016, 20, 415-417.	5.1	4
62	Bacterial nutrient foraging in a mouse model of enteral nutrient deprivation: insight into the gut origin of sepsis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G734-G743.	1.6	25
63	Response of the bacterial community associated with a cosmopolitan marine diatom to crude oil shows a preference for the biodegradation of aromatic hydrocarbons. <i>Environmental Microbiology</i> , 2016, 18, 1817-1833.	1.8	68
64	The emerging view of Firmicutes as key fibre degraders in the human gut. <i>Environmental Microbiology</i> , 2016, 18, 2081-2083.	1.8	35
65	Activity and community structures of sulfate-reducing microorganisms in polar, temperate and tropical marine sediments. <i>ISME Journal</i> , 2016, 10, 796-809.	4.4	85
66	Editorial: Bifidobacteria and Their Role in the Human Gut Microbiota. <i>Frontiers in Microbiology</i> , 2016, 7, 2148.	1.5	17
67	A flexible and economical barcoding approach for highly multiplexed amplicon sequencing of diverse target genes. <i>Frontiers in Microbiology</i> , 2015, 6, 731.	1.5	164
68	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. <i>Frontiers in Microbiology</i> , 2015, 6, 1408.	1.5	106
69	Tracking heavy water (D <sub>2</sub> O) incorporation for identifying and sorting active microbial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E194-203.	3.3	359
70	Cyanate as an energy source for nitrifiers. <i>Nature</i> , 2015, 524, 105-108.	13.7	231
71	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. <i>Journal of Immunology</i> , 2015, 195, 5011-5024.	0.4	40
72	Removal of Pharmaceuticals and Personal Care Products during Water Recycling: Microbial Community Structure and Effects of Substrate Concentration. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2440-2450.	1.4	37

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73	Deciphering microbial interactions and detecting keystone species with co-occurrence networks. <i>Frontiers in Microbiology</i> , 2014, 5, 219.	1.5	1,109
74	Type I interferons have opposing effects during the emergence and recovery phases of colitis. <i>European Journal of Immunology</i> , 2014, 44, 2749-2760.	1.6	39
75	Endospores of thermophilic bacteria as tracers of microbial dispersal by ocean currents. <i>ISME Journal</i> , 2014, 8, 1153-1165.	4.4	139
76	<i>nxB</i> encoding the beta subunit of nitrite oxidoreductase as functional and phylogenetic marker for nitrite-oxidizing <i>Nitrospira</i> . <i>Environmental Microbiology</i> , 2014, 16, 3055-3071.	1.8	280
77	High-fat diet alters gut microbiota physiology in mice. <i>ISME Journal</i> , 2014, 8, 295-308.	4.4	583
78	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. <i>ISME Journal</i> , 2014, 8, 1101-1114.	4.4	174
79	Intestinal Microbiota Reduces Genotoxic Endpoints Induced By High-Energy Protons. <i>Radiation Research</i> , 2014, 181, 45-53.	0.7	26
80	Polycyclic Aromatic Hydrocarbon Degradation of Phytoplankton-Associated <i>Arenibacter</i> spp. and Description of <i>Arenibacter algicola</i> sp. nov., an Aromatic Hydrocarbon-Degrading Bacterium. <i>Applied and Environmental Microbiology</i> , 2014, 80, 618-628.	1.4	81
81	Colonization resistance and microbial ecophysiology: using gnotobiotic mouse models and single-cell technology to explore the intestinal jungle. <i>FEMS Microbiology Reviews</i> , 2013, 37, 793-829.	3.9	85
82	Hydrocarbon-degrading bacteria enriched by the <i>Deepwater Horizon</i> oil spill identified by cultivation and DNA-SIP. <i>ISME Journal</i> , 2013, 7, 2091-2104.	4.4	278
83	Temporal Bacterial Community Dynamics Vary Among Ulcerative Colitis Patients After Fecal Microbiota Transplantation. <i>American Journal of Gastroenterology</i> , 2013, 108, 1620-1630.	0.2	298
84	Host-compound foraging by intestinal microbiota revealed by single-cell stable isotope probing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4720-4725.	3.3	210
85	A dynamic and complex monochloramine stress response in <i>Escherichia coli</i> revealed by transcriptome analysis. <i>Water Research</i> , 2013, 47, 4978-4985.	5.3	26
86	Intestinal microbiota: A source of novel biomarkers in inflammatory bowel diseases?. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2013, 27, 47-58.	1.0	127
87	Intestinal Bacteria Modify Lymphoma Incidence and Latency by Affecting Systemic Inflammatory State, Oxidative Stress, and Leukocyte Genotoxicity. <i>Cancer Research</i> , 2013, 73, 4222-4232.	0.4	68
88	Role of Bacterial Exopolysaccharides (EPS) in the Fate of the Oil Released during the Deepwater Horizon Oil Spill. <i>PLoS ONE</i> , 2013, 8, e67717.	1.1	135
89	Barcoded Primers Used in Multiplex Amplicon Pyrosequencing Bias Amplification. <i>Applied and Environmental Microbiology</i> , 2012, 78, 612-612.	1.4	146
90	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. <i>ISME Journal</i> , 2012, 6, 2091-2106.	4.4	291

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91	Barcoded Primers Used in Multiplex Amplicon Pyrosequencing Bias Amplification. Applied and Environmental Microbiology, 2011, 77, 7846-7849.	1.4	514
92	Systematic Spatial Bias in DNA Microarray Hybridization Is Caused by Probe Spot Position-Dependent Variability in Lateral Diffusion. PLoS ONE, 2011, 6, e23727.	1.1	18
93	Development of reactive thin film polymer brush membranes to prevent biofouling. Journal of Membrane Science, 2010, 350, 361-370.	4.1	67
94	<i>Mycobacterium avium</i> Infections of <i>Acanthamoeba</i> Strains: Host Strain Variability, Grazing-Acquired Infections, and Altered Dynamics of Inactivation with Monochloramine. Applied and Environmental Microbiology, 2010, 76, 6685-6688.	1.4	29
95	Impact of microfiltration treatment of secondary wastewater effluent on biofouling of reverse osmosis membranes. Water Research, 2010, 44, 167-176.	5.3	76
96	Comparative transcriptomics of the response of <i>Escherichia coli</i> to the disinfectant monochloramine and to growth conditions inducing monochloramine resistance. Water Research, 2010, 44, 4924-4931.	5.3	19
97	Effect of Growth Conditions on Inactivation of <i>Escherichia coli</i> with Monochloramine. Environmental Science & Technology, 2009, 43, 884-889.	4.6	23
98	Effect of an Ionic Air Cleaner on Indoor/Outdoor Particle Ratios in a Residential Environment. Aerosol Science and Technology, 2007, 41, 315-328.	1.5	24
99	Microbial ecology of drinking water distribution systems. Current Opinion in Biotechnology, 2006, 17, 297-302.	3.3	372
100	Design and performance of a single-pass bubbling bioaerosol generator. Atmospheric Environment, 2005, 39, 3521-3533.	1.9	49
101	Targeting Gut Bacteria Using Inulin-Conjugated Mesoporous Silica Nanoparticles. Advanced Materials Interfaces, 0, , 2102558.	1.9	4