

Vanni Bucci

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

3,410
citations

21
h-index

58
g-index

59
ext. papers

4,603
ext. citations

8.9
avg, IF

5.08
L-index

#	Paper	IF	Citations
46	Precision microbiome reconstitution restores bile acid mediated resistance to <i>Clostridium difficile</i> . <i>Nature</i> , 2015 , 517, 205-8	50.4	1064
45	A defined commensal consortium elicits CD8 T cells and anti-cancer immunity. <i>Nature</i> , 2019 , 565, 600-605	50.4	417
44	Ecological modeling from time-series inference: insight into dynamics and stability of intestinal microbiota. <i>PLoS Computational Biology</i> , 2013 , 9, e1003388	5	329
43	Intestinal microbiota containing <i>Barnesiella</i> species cures vancomycin-resistant <i>Enterococcus faecium</i> colonization. <i>Infection and Immunity</i> , 2013 , 81, 965-73	3.7	293
42	Alzheimer's Disease Microbiome Is Associated with Dysregulation of the Anti-Inflammatory P-Glycoprotein Pathway. <i>MBio</i> , 2019 , 10,	7.8	134
41	MDSINE: Microbial Dynamical Systems INference Engine for microbiome time-series analyses. <i>Genome Biology</i> , 2016 , 17, 121	18.3	122
40	A bunch of tiny individuals Individual-based modeling for microbes. <i>Ecological Modelling</i> , 2009 , 220, 8-22	3	116
39	Emergence of spatial structure in the tumor microenvironment due to the Warburg effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19402-7	11.5	96
38	Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. <i>Scientific Reports</i> , 2017 , 7, 10767	4.9	94
37	Cutting through the complexity of cell collectives. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20122770	4.4	88
36	Towards predictive models of the human gut microbiome. <i>Journal of Molecular Biology</i> , 2014 , 426, 3907-16	6.6	70
35	Phage mobility is a core determinant of phage-bacteria coexistence in biofilms. <i>ISME Journal</i> , 2018 , 12, 531-543	11.9	60
34	Extrathymically Generated Regulatory T Cells Establish a Niche for Intestinal Border-Dwelling Bacteria and Affect Physiologic Metabolite Balance. <i>Immunity</i> , 2018 , 48, 1245-1257.e9	32.3	59
33	The evolution of bacteriocin production in bacterial biofilms. <i>American Naturalist</i> , 2011 , 178, E162-73	3.7	55
32	Engineered Probiotic for the Inhibition of Salmonella via Tetrathionate-Induced Production of Microcin H47. <i>ACS Infectious Diseases</i> , 2018 , 4, 39-45	5.5	50
31	Computer-guided design of optimal microbial consortia for immune system modulation. <i>ELife</i> , 2018 , 7,	8.9	44
30	The nursing home elder microbiome stability and associations with age, frailty, nutrition and physical location. <i>Journal of Medical Microbiology</i> , 2018 , 67, 40-51	3.2	41

29	Social interaction, noise and antibiotic-mediated switches in the intestinal microbiota. <i>PLoS Computational Biology</i> , 2012 , 8, e1002497	5	35
28	Mucosal-associated invariant and Γ cell subsets respond to initial Mycobacterium tuberculosis infection. <i>JCI Insight</i> , 2018 , 3,	9.9	34
27	Microscale patchiness leads to large and important intraspecific internal nutrient heterogeneity in phytoplankton. <i>Aquatic Ecology</i> , 2012 , 46, 101-118	1.9	22
26	Heterogeneity of intracellular polymer storage states in enhanced biological phosphorus removal (EBPR)--observation and modeling. <i>Environmental Science & Technology</i> , 2012 , 46, 3244-52	10.3	22
25	Biofilm Structure Promotes Coexistence of Phage-Resistant and Phage-Susceptible Bacteria. <i>MSystems</i> , 2020 , 5,	7.6	19
24	Inflammation-type dysbiosis of the oral microbiome associates with the duration of COVID-19 symptoms and long COVID. <i>JCI Insight</i> , 2021 , 6,	9.9	18
23	Gut Colonization Preceding Mucosal Barrier Injury Bloodstream Infection in Pediatric Hematopoietic Stem Cell Transplantation Recipients. <i>Biology of Blood and Marrow Transplantation</i> , 2019 , 25, 2274-2280	4.7	16
22	Anaerobic Antibiotics and the Risk of Graft-versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2020 , 26, 2053-2060	4.7	14
21	Microcin H47: A Class IIb Microcin with Potent Activity Against Multidrug Resistant. <i>ACS Infectious Diseases</i> , 2020 , 6, 672-679	5.5	9
20	Population Dynamics of Escherichia coli in Surface Water ¹ . <i>Journal of the American Water Resources Association</i> , 2011 , 47, 611-619	2.1	9
19	Modeling Adaptive Mutation of Enteric Bacteria in Surface Water Using Agent-Based Methods. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2035-2049	2.6	8
18	Gastrointestinal microbiota composition predicts peripheral inflammatory state during treatment of human tuberculosis. <i>Nature Communications</i> , 2021 , 12, 1141	17.4	8
17	THE INTESTINAL AND ORAL MICROBIOMES ARE ROBUST PREDICTORS OF COVID-19 SEVERITY THE MAIN PREDICTOR OF COVID-19-RELATED FATALITY		8
16	Treatment of bacterial skin infections in ED observation units: factors influencing prescribing practice. <i>American Journal of Emergency Medicine</i> , 2015 , 33, 1780-5	2.9	7
15	Is the whole the sum of its parts? Agent-based modelling of wastewater treatment systems. <i>Water Science and Technology</i> , 2011 , 63, 1590-8	2.2	6
14	High-dimensional Causal Mediation Analysis with a Large Number of Mediators Clumping at Zero to Assess the Contribution of the Microbiome to the Risk of Bacterial Pathogen Colonization in Older Adults. <i>Current Bioinformatics</i> , 2020 , 15, 671-696	4.7	6
13	Colonization of the live biotherapeutic product VE303 and modulation of the microbiota and metabolites in healthy volunteers.. <i>Cell Host and Microbe</i> , 2022 , 30, 583-598.e8	23.4	6
12	Draft Genome Sequences of Pseudomonas fluorescens Strains SF39a and SF4c, Potential Plant Growth Promotion and Biocontrol Agents. <i>Genome Announcements</i> , 2015 , 3,		5

11	Evolutionary dynamics of phage resistance in bacterial biofilms		5
10	Dietary manipulation of the gut microbiome in inflammatory bowel disease patients: Pilot study.. <i>Gut Microbes</i> , 2022 , 14, 2046244	8.8	4
9	Male aggression varies with consortship rate and habitat in a dolphin social network. <i>Behavioral Ecology and Sociobiology</i> , 2019 , 73, 1	2.5	3
8	Anatomy of an urban waterbody: a case study of Boston's Muddy River. <i>Environmental Pollution</i> , 2011 , 159, 1996-2002	9.3	3
7	Fresh Ideas Bloom in Gut Healthcare to Cross-Fertilize Lake Management. <i>Environmental Science & Technology</i> , 2019 , 53, 14099-14112	10.3	2
6	Proanthocyanidin-enriched cranberry extract induces resilient bacterial community dynamics in a gnotobiotic mouse model. <i>Microbial Cell</i> , 2021 , 8, 131-142	3.9	2
5	Antibiotic-associated diarrhoea in emergency department observation unit patients. <i>Epidemiology and Infection</i> , 2016 , 144, 2176-83	4.3	2
4	The high prevalence of among nursing home elders associates with a dysbiotic microbiome. <i>Gut Microbes</i> , 2021 , 13, 1-15	8.8	2
3	Draft Genome Sequence of sp. Strain SL1, a Putative Polyhydroxyalkanoate-Producing Halophile. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
2	DIETARY MANIPULATION OF THE GUT MICROBIOME IN INFLAMMATORY BOWEL DISEASE PATIENTS: PROOF OF CONCEPT		1
1	The Nursing Home Older Adult Gut Microbiome Composition Shows Time-dependent Dysbiosis and Is Influenced by Medication Exposures, Age, Environment, and Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 1930-1938	6.4	1