

# Ilana L Brito

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3472962/publications.pdf>

Version: 2024-02-01

42  
papers

2,582  
citations

318942

23  
h-index

325983

40  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-microbiome protein-protein interactions capture disease-relevant pathways. <i>Genome Biology</i> , 2022, 23, 72.	3.8	10
2	Collective effects of human genomic variation on microbiome function. <i>Scientific Reports</i> , 2022, 12, 3839.	1.6	3
3	Engineering early memory B-cell-like phenotype in hydrogel-based immune organoids. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1435-1447.	2.1	5
4	Structural insight into protein-protein interactions between intestinal microbiome and host. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102354.	2.6	2
5	Obesity and load-induced posttraumatic osteoarthritis in the absence of fracture or surgical trauma. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1007-1016.	1.2	7
6	Examining horizontal gene transfer in microbial communities. <i>Nature Reviews Microbiology</i> , 2021, 19, 442-453.	13.6	136
7	Mobile Gene Sequence Evolution within Individual Human Gut Microbiomes Is Better Explained by Gene-Specific Than Host-Specific Selective Pressures. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	8
8	Biophysical determinants of biofilm formation in the gut. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100275.	1.8	10
9	Linking plasmid-based beta-lactamases to their bacterial hosts using single-cell fusion PCR. <i>ELife</i> , 2021, 10, .	2.8	18
10	The comings and goings of the healthy human gut microbiota. <i>Cell Host and Microbe</i> , 2021, 29, 1163-1164.	5.1	4
11	Geographic differences in gut microbiota composition impact susceptibility to enteric infection. <i>Cell Reports</i> , 2021, 36, 109457.	2.9	33
12	Editorial overview: Engineering human health by means of microbiome manipulation. <i>Current Opinion in Biomedical Engineering</i> , 2021, 20, 100324.	1.8	0
13	A multifaceted cellular damage repair and prevention pathway promotes high-level tolerance to beta-lactam antibiotics. <i>EMBO Reports</i> , 2021, 22, e51790.	2.0	26
14	Functions predict horizontal gene transfer and the emergence of antibiotic resistance. <i>Science Advances</i> , 2021, 7, eabj5056.	4.7	44
15	Highly multiplexed spatial mapping of microbial communities. <i>Nature</i> , 2020, 588, 676-681.	13.7	120
16	Widespread transfer of mobile antibiotic resistance genes within individual gut microbiomes revealed through bacterial Hi-C. <i>Nature Communications</i> , 2020, 11, 4379.	5.8	116
17	Organoid Polymer Functionality and Mode of <i>Klebsiella pneumoniae</i> Membrane Antigen Presentation Regulates Ex Vivo Germinal Center Epigenetics in Young and Aged B Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2001232.	7.8	19
18	What Is Metagenomics Teaching Us, and What Is Missed?. <i>Annual Review of Microbiology</i> , 2020, 74, 117-135.	2.9	54

#	ARTICLE	IF	CITATIONS
19	The internationalization of human microbiome research. <i>Current Opinion in Microbiology</i> , 2019, 50, 50-55.	2.3	25
20	Chemoproteomic Profiling of Gut Microbiota-Associated Bile Salt Hydrolase Activity. <i>ACS Central Science</i> , 2019, 5, 867-873.	5.3	54
21	Transmission of human-associated microbiota along family and social networks. <i>Nature Microbiology</i> , 2019, 4, 964-971.	5.9	149
22	Immunomodulatory nanogels overcome restricted immunity in a murine model of gut microbiome-mediated metabolic syndrome. <i>Science Advances</i> , 2019, 5, eaav9788.	4.7	29
23	Disruption of the Gut Microbiome Increases the Risk of Periprosthetic Joint Infection in Mice. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 2588-2598.	0.7	25
24	Genomic Diversity, Virulence, and Antimicrobial Resistance of <i>Klebsiella pneumoniae</i> Strains from Cows and Humans. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	31
25	An epidemiological model of virus transmission in salmonid fishes of the Columbia River Basin. <i>Ecological Modelling</i> , 2018, 377, 1-15.	1.2	5
26	Beyond Tissue Stiffness and Bioadhesivity: Advanced Biomaterials to Model Tumor Microenvironments and Drug Resistance. <i>Trends in Cancer</i> , 2018, 4, 281-291.	3.8	36
27	The role of the vaginal microbiome in gynaecological cancer. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2018, 125, 309-315.	1.1	114
28	Infectious hematopoietic necrosis virus virological and genetic surveillance 2000-2012. <i>Ecology</i> , 2017, 98, 283-283.	1.5	11
29	Transmission routes maintaining a viral pathogen of steelhead trout within a complex multi-host assemblage. <i>Ecology and Evolution</i> , 2017, 7, 8187-8200.	0.8	10
30	Tracking Strains in the Microbiome: Insights from Metagenomics and Models. <i>Frontiers in Microbiology</i> , 2016, 7, 712.	1.5	44
31	Virtual microfluidics for digital quantification and single-cell sequencing. <i>Nature Methods</i> , 2016, 13, 759-762.	9.0	79
32	Mobile genes in the human microbiome are structured from global to individual scales. <i>Nature</i> , 2016, 535, 435-439.	13.7	233
33	Potential drivers of virulence evolution in aquaculture. <i>Evolutionary Applications</i> , 2016, 9, 344-354.	1.5	81
34	Massively parallel sequencing of single cells by epicPCR links functional genes with phylogenetic markers. <i>ISME Journal</i> , 2016, 10, 427-436.	4.4	184
35	Detection of low-abundance bacterial strains in metagenomic datasets by eigengenome partitioning. <i>Nature Biotechnology</i> , 2015, 33, 1053-1060.	9.4	144
36	Computational Methods for High-Throughput Comparative Analyses of Natural Microbial Communities. <i>Methods in Enzymology</i> , 2013, 531, 353-370.	0.4	38

#	ARTICLE	IF	CITATIONS
37	Aneuploidy Drives Genomic Instability in Yeast. <i>Science</i> , 2011, 333, 1026-1030.	6.0	367
38	Condensins Promote Coorientation of Sister Chromatids During Meiosis I in Budding Yeast. <i>Genetics</i> , 2010, 185, 55-64.	1.2	39
39	The Lrs4-Csm1 monopolin complex associates with kinetochores during anaphase and is required for accurate chromosome segregation. <i>Cell Cycle</i> , 2010, 9, 3611-3618.	1.3	19
40	Degradation of Postsynaptic Scaffold GKAP and Regulation of Dendritic Spine Morphology by the TRIM3 Ubiquitin Ligase in Rat Hippocampal Neurons. <i>PLoS ONE</i> , 2010, 5, e9842.	1.1	90
41	Inhibition of homologous recombination by a cohesin-associated clamp complex recruited to the rDNA recombination enhancer. <i>Genes and Development</i> , 2006, 20, 2887-2901.	2.7	144
42	epicPCR (Emulsion, Paired Isolation, and Concatenation PCR). <i>Protocol Exchange</i> , 0, , .	0.3	3