

# Elena Biagi

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

8,439  
citations

94433

37  
h-index

91884

69  
g-index

73  
all docs

73  
docs citations

73  
times ranked

11959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Through Ageing, and Beyond: Gut Microbiota and Inflammatory Status in Seniors and Centenarians. PLoS ONE, 2010, 5, e10667.	2.5	1,107
2	Gut microbiome of the Hadza hunter-gatherers. Nature Communications, 2014, 5, 3654.	12.8	1,067
3	Global and Deep Molecular Analysis of Microbiota Signatures in Fecal Samples From Patients With Irritable Bowel Syndrome. Gastroenterology, 2011, 141, 1792-1801.	1.3	885
4	Gut Microbiota and Extreme Longevity. Current Biology, 2016, 26, 1480-1485.	3.9	668
5	Ageing of the human metaorganism: the microbial counterpart. Age, 2012, 34, 247-267.	3.0	324
6	The effect of short-chain fatty acids on human monocyte-derived dendritic cells. Scientific Reports, 2015, 5, 16148.	3.3	269
7	Functional metagenomic profiling of intestinal microbiome in extreme ageing. Aging, 2013, 5, 902-912.	3.1	263
8	Ageing and gut microbes: Perspectives for health maintenance and longevity. Pharmacological Research, 2013, 69, 11-20.	7.1	226
9	Metabolic Signatures of Extreme Longevity in Northern Italian Centenarians Reveal a Complex Remodeling of Lipids, Amino Acids, and Gut Microbiota Metabolism. PLoS ONE, 2013, 8, e56564.	2.5	205
10	Behçet's syndrome patients exhibit specific microbiome signature. Autoimmunity Reviews, 2015, 14, 269-276.	5.8	195
11	Gut microbiota changes in the extreme decades of human life: a focus on centenarians. Cellular and Molecular Life Sciences, 2018, 75, 129-148.	5.4	190
12	Modulation of gut microbiota dysbioses in type 2 diabetic patients by macrobiotic Ma-Pi 2 diet. British Journal of Nutrition, 2016, 116, 80-93.	2.3	181
13	Inflammation and colorectal cancer, when microbiota-host mutualism breaks. World Journal of Gastroenterology, 2014, 20, 908.	3.3	176
14	Intestinal microbiota is a plastic factor responding to environmental changes. Trends in Microbiology, 2012, 20, 385-391.	7.7	152
15	Gut microbiota, metabolome and immune signatures in patients with uncomplicated diverticular disease. Gut, 2017, 66, 1252-1261.	12.1	138
16	Infant and Adult Gut Microbiome and Metabolome in Rural Bassa and Urban Settlers from Nigeria. Cell Reports, 2018, 23, 3056-3067.	6.4	128
17	Elevated gut microbiome abundance of <i>Christensenellaceae</i> , <i>Porphyromonadaceae</i> and <i>Rikenellaceae</i> is associated with reduced visceral adipose tissue and healthier metabolic profile in Italian elderly. Gut Microbes, 2021, 13, 1-19.	9.8	127
18	The gut microbiota of centenarians: Signatures of longevity in the gut microbiota profile. Mechanisms of Ageing and Development, 2017, 165, 180-184.	4.6	125

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19	ViromeScan: a new tool for metagenomic viral community profiling. <i>BMC Genomics</i> , 2016, 17, 165.	2.8	118
20	The Bacterial Ecosystem of Mother's Milk and Infant's Mouth and Gut. <i>Frontiers in Microbiology</i> , 2017, 8, 1214.	3.5	118
21	Bifidobacterial enolase, a cell surface receptor for human plasminogen involved in the interaction with the host. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3294-3303.	1.8	110
22	The aging gut microbiota: New perspectives. <i>Ageing Research Reviews</i> , 2011, 10, 428-429.	10.9	104
23	Shotgun Metagenomics of Gut Microbiota in Humans with up to Extreme Longevity and the Increasing Role of Xenobiotic Degradation. <i>MSystems</i> , 2020, 5, .	3.8	91
24	Temporal dynamics of the gut microbiota in people sharing a confined environment, a 520-day ground-based space simulation, MARS500. <i>Microbiome</i> , 2017, 5, 39.	11.1	89
25	Fecal metabolome of the Hadza hunter-gatherers: a host-microbiome integrative view. <i>Scientific Reports</i> , 2016, 6, 32826.	3.3	88
26	Maintenance of a healthy trajectory of the intestinal microbiome during aging: A dietary approach. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 70-75.	4.6	72
27	Microbiomes other than the gut: inflammaging and age-related diseases. <i>Seminars in Immunopathology</i> , 2020, 42, 589-605.	6.1	65
28	Enteral Nutrition in Pediatric Patients Undergoing Hematopoietic SCT Promotes the Recovery of Gut Microbiome Homeostasis. <i>Nutrients</i> , 2019, 11, 2958.	4.1	63
29	Microbial Community Dynamics in Mother's Milk and Infant's Mouth and Gut in Moderately Preterm Infants. <i>Frontiers in Microbiology</i> , 2018, 9, 2512.	3.5	62
30	Gut microbiome response to a modern Paleolithic diet in a Western lifestyle context. <i>PLoS ONE</i> , 2019, 14, e0220619.	2.5	62
31	Comparative analysis of the gut microbiota in centenarians and young adults shows a common signature across genotypically non-related populations. <i>Mechanisms of Ageing and Development</i> , 2019, 179, 23-35.	4.6	59
32	Tissue-scale microbiota of the Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ) and its relationship with the environment. <i>Science of the Total Environment</i> , 2020, 717, 137209.	8.0	59
33	Short-term treatment with eicosapentaenoic acid improves inflammation and affects colonic differentiation markers and microbiota in patients with ulcerative colitis. <i>Scientific Reports</i> , 2017, 7, 7458.	3.3	54
34	The Rootstock Regulates Microbiome Diversity in Root and Rhizosphere Compartments of <i>Vitis vinifera</i> Cultivar Lambrusco. <i>Frontiers in Microbiology</i> , 2018, 9, 2240.	3.5	54
35	Gut Microbiome in Down Syndrome. <i>PLoS ONE</i> , 2014, 9, e112023.	2.5	51
36	Early gut microbiota signature of aGvHD in children given allogeneic hematopoietic cell transplantation for hematological disorders. <i>BMC Medical Genomics</i> , 2019, 12, 49.	1.5	50

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37	Unraveling the gut microbiome of the long-lived naked mole-rat. <i>Scientific Reports</i> , 2017, 7, 9590.	3.3	46
38	Faecal bacterial communities from Mediterranean loggerhead sea turtles ( <i>Caretta caretta</i> ). <i>Environmental Microbiology Reports</i> , 2019, 11, 361-371.	2.4	43
39	The bottlenose dolphin ( <i>Tursiops truncatus</i> ) faecal microbiota. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw055.	2.7	38
40	Insights into the role of intestinal microbiota in hematopoietic stem-cell transplantation. <i>Therapeutic Advances in Hematology</i> , 2020, 11, 204062071989696.	2.5	36
41	Dynamic efficiency of the human intestinal microbiota. <i>Critical Reviews in Microbiology</i> , 2015, 41, 165-171.	6.1	32
42	Characterization of the human DNA gut virome across populations with different subsistence strategies and geographical origin. <i>Environmental Microbiology</i> , 2017, 19, 4728-4735.	3.8	32
43	Human Milk's Hidden Gift: Implications of the Milk Microbiome for Preterm Infants' Health. <i>Nutrients</i> , 2019, 11, 2944.	4.1	30
44	Components of a Neanderthal gut microbiome recovered from fecal sediments from El Salt. <i>Communications Biology</i> , 2021, 4, 169.	4.4	28
45	A Mediterranean Diet Mix Has Chemopreventive Effects in a Murine Model of Colorectal Cancer Modulating Apoptosis and the Gut Microbiota. <i>Frontiers in Oncology</i> , 2019, 9, 140.	2.8	26
46	Enteral nutrition protects children undergoing allogeneic hematopoietic stem cell transplantation from blood stream infections. <i>Nutrition Journal</i> , 2020, 19, 29.	3.4	26
47	Microbiota and lifestyle interactions through the lifespan. <i>Trends in Food Science and Technology</i> , 2016, 57, 265-272.	15.1	24
48	Impact of Plastic Debris on the Gut Microbiota of <i>Caretta caretta</i> From Northwestern Adriatic Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	23
49	Early-life gut microbiota and neurodevelopment in preterm infants: any role for <i>Bifidobacterium</i> ?. <i>European Journal of Pediatrics</i> , 2022, 181, 1773-1777.	2.7	22
50	HumanMycobiomeScan: a new bioinformatics tool for the characterization of the fungal fraction in metagenomic samples. <i>BMC Genomics</i> , 2019, 20, 496.	2.8	21
51	Variation of Carbohydrate-Active Enzyme Patterns in the Gut Microbiota of Italian Healthy Subjects and Type 2 Diabetes Patients. <i>Frontiers in Microbiology</i> , 2017, 8, 2079.	3.5	20
52	Development of a Microarray-Based Tool To Characterize Vaginal Bacterial Fluctuations and Application to a Novel Antibiotic Treatment for Bacterial Vaginosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2825-2834.	3.2	19
53	Gut resistome plasticity in pediatric patients undergoing hematopoietic stem cell transplantation. <i>Scientific Reports</i> , 2019, 9, 5649.	3.3	19
54	Patterns in microbiome composition differ with ocean acidification in anatomic compartments of the Mediterranean coral <i>Astroides calycularis</i> living at CO <sub>2</sub> vents. <i>Science of the Total Environment</i> , 2020, 724, 138048.	8.0	19

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55	Design and validation of a DNA-microarray for phylogenetic analysis of bacterial communities in different oral samples and dental implants. <i>Scientific Reports</i> , 2017, 7, 6280.	3.3	17
56	Early modifications of the gut microbiome in children with hepatic sinusoidal obstruction syndrome after hematopoietic stem cell transplantation. <i>Scientific Reports</i> , 2021, 11, 14307.	3.3	15
57	Variations in the Post-weaning Human Gut Metagenome Profile As Result of Bifidobacterium Acquisition in the Western Microbiome. <i>Frontiers in Microbiology</i> , 2016, 07, 1058.	3.5	14
58	Gut microbiome response to short-term dietary interventions in reactive hypoglycemia subjects. <i>Diabetes/Metabolism Research and Reviews</i> , 2017, 33, e2927.	4.0	14
59	Joint Data Analysis in Nutritional Epidemiology: Identification of Observational Studies and Minimal Requirements. <i>Journal of Nutrition</i> , 2018, 148, 285-297.	2.9	13
60	Effects of Vitamin B2 Supplementation in Broilers Microbiota and Metabolome. <i>Microorganisms</i> , 2020, 8, 1134.	3.6	12
61	Impact of Marine Aquaculture on the Microbiome Associated with Nearby Holobionts: The Case of <i>Patella caerulea</i> Living in Proximity of Sea Bream Aquaculture Cages. <i>Microorganisms</i> , 2021, 9, 455.	3.6	12
62	The gut microbiome buffers dietary adaptation in Bronze Age domesticated dogs. <i>IScience</i> , 2021, 24, 102816.	4.1	7
63	Particulate matter emission sources and meteorological parameters combine to shape the airborne bacteria communities in the Ligurian coast, Italy. <i>Scientific Reports</i> , 2021, 11, 175.	3.3	6
64	G2S: A New Deep Learning Tool for Predicting Stool Microbiome Structure From Oral Microbiome Data. <i>Frontiers in Genetics</i> , 2021, 12, 644516.	2.3	5
65	Searching for New Microbiome-Targeted Therapeutics through a Drug Repurposing Approach. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17277-17286.	6.4	4
66	Do the human gut metagenomic species possess the minimal set of core functionalities necessary for life?. <i>BMC Genomics</i> , 2020, 21, 678.	2.8	3
67	The Gut Microbiota of an Individual Varies With Intercontinental Four-Month Stay Between Italy and Nigeria: A Pilot Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 725769.	3.9	2
68	Fecal Microbiota Monitoring in Elite Soccer Players Along the 2019-2020 Competitive Season. <i>International Journal of Sports Medicine</i> , 2022, 43, 1137-1147.	1.7	1
69	A Trait of Longevity: The Microbiota of Centenarians. , 2022, , 97-104.		0
70	Metabonomics and Gut Microbial Paradigm in Healthy Aging. <i>Molecular and Integrative Toxicology</i> , 2015, , 169-184.	0.5	0