Carlotta De Filippo

List of Publications by Year
in descending order

80	9,122	117453 34	71532 76
papers	citations	h-index	g-index

82	82	82	14695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of diet in shaping gut microbiota revealed by a comparative study in children from Europe and rural Africa. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14691-14696.	3.3	4,561
2	New evidences on the altered gut microbiota in autism spectrum disorders. Microbiome, 2017, 5, 24.	4.9	668
3	Red wine polyphenols influence carcinogenesis, intestinal microflora, oxidative damage and gene expression profiles of colonic mucosa in F344 rats. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 591, 237-246.	0.4	269
4	Role of social wasps in Saccharomyces cerevisiae ecology and evolution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13398-13403.	3.3	259
5	MICCA: a complete and accurate software for taxonomic profiling of metagenomic data. Scientific Reports, 2015, 5, 9743.	1.6	228
6	Diet, Environments, and Gut Microbiota. A Preliminary Investigation in Children Living in Rural and Urban Burkina Faso and Italy. Frontiers in Microbiology, 2017, 8, 1979.	1.5	222
7	Characterization of cervico-vaginal microbiota in women developing persistent high-risk Human Papillomavirus infection. Scientific Reports, 2017, 7, 10200.	1.6	188
8	Habitat fragmentation is associated to gut microbiota diversity of an endangered primate: implications for conservation. Scientific Reports, 2015, 5, 14862.	1.6	170
9	Age and Gender Affect the Composition of Fungal Population of the Human Gastrointestinal Tract. Frontiers in Microbiology, 2016, 7, 1227.	1.5	170
10	Effects of black tea, green tea and wine extracts on intestinal carcinogenesis induced by azoxymethane in F344 rats. Carcinogenesis, 2000, 21, 1965-1969.	1.3	123
11	Altered gut microbiota in Rett syndrome. Microbiome, 2016, 4, 41.	4.9	120
12	Gut Microbiota Dysbiosis as Risk and Premorbid Factors of IBD and IBS Along the Childhoodâ€“Adulthood Transition. Inflammatory Bowel Diseases, 2016, 22, 487-504.	0.9	117
13	Fungal Chitin Induces Trained Immunity in Human Monocytes during Cross-talk of the Host with Saccharomyces cerevisiae. Journal of Biological Chemistry, 2016, 291, 7961-7972.	1.6	90
14	Evaluation of the effects of intrapartum antibiotic prophylaxis on newborn intestinal microbiota using a sequencing approach targeted to multi hypervariable 16S rDNA regions. Applied Microbiology and Biotechnology, 2016, 100, 5537-5546.	1.7	84
15	Richness and diversity of mammalian fungal communities shape innate and adaptive immunity in health and disease. European Journal of Immunology, 2014, 44, 3166-3181.	1.6	75
16	Bioinformatic approaches for functional annotation and pathway inference in metagenomics data. Briefings in Bioinformatics, 2012, 13, 696-710.	3.2	70
17	Effect of complex polyphenols and tannins from red wine on DNA oxidative damage of rat colon mucosa in vivo. European Journal of Nutrition, 2000, 39, 207-212.	1.8	69
18	Legal immigrants: invasion of alien microbial communities during winter occurring desert dust storms. Microbiome, 2017, 5, 32.	4.9	69

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19	Uncovering oral Neisseria tropism and persistence using metagenomic sequencing. Nature Microbiology, 2016, 1, 16070.	5.9	68
20	Host: Microbiome co-metabolic processing of dietary polyphenols â€“ An acute, single blinded, cross-over study with different doses of apple polyphenols in healthy subjects. Food Research International, 2018, 112, 108-128.	2.9	67
21	Alteration of Fecal Microbiota Profiles in Juvenile Idiopathic Arthritis. Associations with HLA-B27 Allele and Disease Status. Frontiers in Microbiology, 2016, 7, 1703.	1.5	65
22	Differential IL-17 Production and Mannan Recognition Contribute to Fungal Pathogenicity and Commensalism. Journal of Immunology, 2010, 184, 4258-4268.	0.4	59
23	Detection of somatic DNA alterations in azoxymethane-induced F344 rat colon tumors by random amplified polymorphic DNA analysis. Carcinogenesis, 2000, 21, 1753-1756.	1.3	57
24	Dynamic changes in microbiota and mycobiota during spontaneous â€˜<scp>V</scp>ino <scp>S</scp>anto <scp>T</scp>rentinoâ€™ fermentation. Microbial Biotechnology, 2016, 9, 195-208.	2.0	52
25	Mutations of the Apc gene in experimental colorectal carcinogenesis induced by azoxymethane in F344 rats. British Journal of Cancer, 1998, 77, 2148-2151.	2.9	45
26	Inhibition of 1,2-dimethylhydrazine-induced oxidative DNA damage in rat colon mucosa by black tea complex polyphenols. Food and Chemical Toxicology, 2000, 38, 1085-1088.	1.8	44
27	Large-scale genetic variation of the symbiosis-required megaplasmid pSymA revealed by comparative genomic analysis of Sinorhizobium meliloti natural strains. BMC Genomics, 2005, 6, 158.	1.2	44
28	The seed endosphere of Anadenanthera colubrina is inhabited by a complex microbiota, including Methylobacteriumspp. and Staphylococcus spp. with potential plant-growth promoting activities. Plant and Soil, 2018, 422, 81-99.	1.8	44
29	Bioinformatic methods for integrating whole-genome expression results into cellular networks. Drug Discovery Today, 2005, 10, 727-734.	3.2	42
30	Defining best practice for microarray analyses in nutrigenomic studies. British Journal of Nutrition, 2005, 93, 425-432.	1.2	39
31	Analysis of Gene Expression Profiles Reveals Novel Correlations With the Clinical Course of Colorectal Cancer. Oncology Research, 2007, 16, 535-548.	0.6	39
32	Oleoylethanolamide treatment affects gut microbiota composition and the expression of intestinal cytokines in Peyerâ€™s patches of mice. Scientific Reports, 2018, 8, 14881.	1.6	39
33	Gut microbiota in children and altered profiles in juvenile idiopathic arthritis. Journal of Autoimmunity, 2019, 98, 1-12.	3.0	39
34	Extremely Low-Frequency Electromagnetic Fields do not Affect DNA Damage and Gene Expression Profiles of Yeast and Human Lymphocytes. Radiation Research, 2005, 164, 277-285.	0.7	38
35	Isolation, Identification and Characterization of Yeasts from Fermented Goat Milk of the Yaghnob Valley in Tajikistan. Frontiers in Microbiology, 2016, 7, 1690.	1.5	38
36	Genomics approach to the analysis of bacterial communities dynamics in Hirschsprungâ€™s disease-associated enterocolitis: a pilot study. Pediatric Surgery International, 2010, 26, 465-471.	0.6	36

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37	Antioxidant and pro-oxidant capacity of catecholamines and related compounds. Effects of hydrogen peroxide on glutathione and sphingomyelinase activity in pheochromocytoma PC12 cells: potential relevance to age-related diseases. Journal of Neural Transmission, 2001, 108, 541-557.	1.4	31
38	Gut microbiota profiles and characterization of cultivable fungal isolates in IBS patients. Applied Microbiology and Biotechnology, 2021, 105, 3277-3288.	1.7	31
39	Population genomics reveals evolution and variation of <scp>Saccharomyces cerevisiae</scp> in the human and insects gut. Environmental Microbiology, 2019, 21, 50-71.	1.8	30
40	Slow-release pellets of sodium butyrate do not modify azoxymethane (AOM)-induced intestinal carcinogenesis in F344 rats. Carcinogenesis, 2001, 22, 525-527.	1.3	29
41	Mutations of the APC Gene in Human Sporadic Colorectal Cancers. Scandinavian Journal of Gastroenterology, 2002, 37, 1048-1053.	0.6	29
42	Different carbon sources affect lifespan and protein redox state during Saccharomyces cerevisiae chronological ageing. Cellular and Molecular Life Sciences, 2009, 66, 933-947.	2.4	28
43	Smokers and passive smokers gene expression profiles: Correlation with the DNA oxidation damage. Free Radical Biology and Medicine, 2007, 43, 415-422.	1.3	26
44	Early melanoma invasivity correlates with gut fungal and bacterial profiles. British Journal of Dermatology, 2022, 186, 106-116.	1.4	26
45	Nod2 Deficiency in mice is Associated with Microbiota Variation Favouring the Expansion of mucosal CD4+ LAP+ Regulatory Cells. Scientific Reports, 2018, 8, 14241.	1.6	25
46	IL-13 mRNA Tissue Content Identifies Two Subsets of Adult Ulcerative Colitis Patients With Different Clinical and Mucosa-Associated Microbiota Profiles. Journal of Crohn's and Colitis, 2020, 14, 369-380.	0.6	25
47	Bifidobacterium callitrichidarum sp. nov. from the faeces of the emperor tamarin (Saguinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.8	25
48	Explaining Diversity in Metagenomic Datasets by Phylogenetic-Based Feature Weighting. PLoS Computational Biology, 2015, 11, e1004186.	1.5	24
49	Comparative immunophenotyping of Saccharomyces cerevisiae and Candida spp. strains from Crohnâ€™s disease patients and their interactions with the gut microbiome. Journal of Translational Autoimmunity, 2020, 3, 100036.	2.0	24
50	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. Immunome Research, 2010, 6, 10.	0.1	23
51	Genomic and Phenotypic Variation in Morphogenetic Networks of Two Candida albicans Isolates Subtends Their Different Pathogenic Potential. Frontiers in Immunology, 2018, 8, 1997.	2.2	23
52	An integrated analysis of the effects of Esculentin 1â€“21 on Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 688-700.	1.1	22
53	DNA copy number alterations, gene expression changes and disease-free survival in patients with colorectal cancer: a 10 year follow-up. Cellular Oncology (Dordrecht), 2016, 39, 545-558.	2.1	22
54	The endophytic microbiota of Citrus limon is transmitted from seed to shoot highlighting differences of bacterial and fungal community structures. Scientific Reports, 2021, 11, 7078.	1.6	22

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55	<scp>Hsp12p</scp> and <scp>PAU</scp> genes are involved in ecological interactions between natural yeast strains. Environmental Microbiology, 2015, 17, 3069-3081.	1.8	21
56	Influence of essential oils in diet and life-stage on gut microbiota and fillet quality of rainbow trout (Oncorhynchus mykiss). International Journal of Food Sciences and Nutrition, 2018, 69, 318-333.	1.3	19
57	A Metagenomics Study on Hirschsprung's Disease Associated Enterocolitis: Biodiversity and Gut Microbial Homeostasis Depend on Resection Length and Patient's Clinical History. Frontiers in Pediatrics, 2019, 7, 326.	0.9	19
58	The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. Nutrients, 2022, 14, 2872.	1.7	16
59	Prenatal exposure to carbon monoxide delays postnatal cardiac maturation. Laboratory Investigation, 2010, 90, 1582-1593.	1.7	14
60	Fecal microbiome as determinant of the effect of diet on colorectal cancer risk: comparison of meat-based versus pesco-vegetarian diets (the MeaTIc study). Trials, 2019, 20, 688.	0.7	14
61	Clinicopathologic Features andFHITGene Expression in Sporadic Colorectal Adenocarcinomas. Scandinavian Journal of Gastroenterology, 2000, 35, 637-641.	0.6	13
62	Systems biology of hostâ€“mycobiota interactions: Dissecting Dectin-1 and Dectin-2 signalling in immune cells with DC-ATLAS. Immunobiology, 2013, 218, 1428-1437.	0.8	13
63	Identification of Vaginal Microbial Communities Associated with Extreme Cervical Shortening in Pregnant Women. Journal of Clinical Medicine, 2020, 9, 3621.	1.0	12
64	Composition and geographic variation of the bacterial microbiota associated with the coelomic fluid of the sea urchin Paracentrotus lividus. Scientific Reports, 2020, 10, 21443.	1.6	12
65	Study on a Fermented Whole Wheat: Phenolic Content, Activity on PTP1B Enzyme and In Vitro Prebiotic Properties. Molecules, 2019, 24, 1120.	1.7	11
66	Intestinal Candida parapsilosis isolates from Rett syndrome subjects bear potential virulent traits and capacity to persist within the host. BMC Gastroenterology, 2018, 18, 57.	0.8	9
67	Effects of Alcohol Binge Drinking and Oleoylethanolamide Pretreatment in the Gut Microbiota. Frontiers in Cellular and Infection Microbiology, 2021, 11, 731910.	1.8	9
68	Intestinal microbiota profiles in a genetic model of colon tumorigenesis correlates with colon cancer biomarkers. Scientific Reports, 2022, 12, 1432.	1.6	9
69	Microsatellite instability in a population of sporadic colorectal cancers correlation between genetic and pathological profiles. Digestive and Liver Disease, 2002, 34, 553-559.	0.4	8
70	DNA damage in colon mucosa of Pirc rats, an Apc-driven model of colon tumorigenesis. Toxicology Letters, 2020, 324, 12-19.	0.4	8
71	Gut microbiota composition in Himalayan and Andean populations and its relationship with diet, lifestyle and adaptation to the high-altitude environment. Journal of Anthropological Sciences, 2019, 96, 189-208.	0.4	7
72	Diet and the Gut Microbiota â€“ How the Gut. , 2015, , 225-245.		6

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73	Identification and Characterization of Human Observational Studies in Nutritional Epidemiology on Gut Microbiomics for Joint Data Analysis. Nutrients, 2021, 13, 3292.	1.7	6
74	DETECTION OF GENETIC VARIABILITY IN STYGOBITIC ISOPODS USING RAPD MARKERS. Crustaceana, 1999, 72, 625-634.	0.1	5
75	SaccharomycesIDentifier, SID: strain-level analysis of Saccharomyces cerevisiae populations by using microsatellite meta-patterns. Scientific Reports, 2017, 7, 15343.	1.6	5
76	Letter in response to article in journal of infection: Impact of routine infant BCG vaccination on COVID-19. Journal of Infection, 2021, 82, e41-e43.	1.7	5
77	Semantics of Dairy Fermented Foods: A Microbiologistâ€™s Perspective. Foods, 2022, 11, 1939.	1.9	2
78	A Nutritional Anthropology of the Human Gut Microbiota. , 2015, , 17-26.		0
79	Comparison of meat-based versus pesco-vegetarian diets harmful metabolite content in faeces: preliminary results from the MeaTIc Study. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 3254-3255.	1.1	0
80	The Effect of Diet on Gut Microbiota in Humans Living in Different Environments: A Metagenomic Approach. Advances in Microbial Ecology, 2012, , 279-294.	0.1	0