

Joseph F Petrosino

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.

201
papers

21,592
citations

61
h-index

146
g-index

215
ext. papers

28,246
ext. citations

9.1
avg, IF

6.67
L-index

#	Paper	IF	Citations
201	Chimeric 16S rRNA sequence formation and detection in Sanger and 454-pyrosequenced PCR amplicons. <i>Genome Research</i> , 2011 , 21, 494-504	9.7	2174
200	Microbiota modulate behavioral and physiological abnormalities associated with neurodevelopmental disorders. <i>Cell</i> , 2013 , 155, 1451-63	56.2	1963
199	Gut microbiome modulates response to anti-PD-1 immunotherapy in melanoma patients. <i>Science</i> , 2018 , 359, 97-103	33.3	1895
198	The placenta harbors a unique microbiome. <i>Science Translational Medicine</i> , 2014 , 6, 237ra65	17.5	1326
197	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. <i>Nature</i> , 2019 , 569, 655-662	50.4	761
196	Temporal development of the gut microbiome in early childhood from the TEDDY study. <i>Nature</i> , 2018 , 562, 583-588	50.4	619
195	Microbial Reconstitution Reverses Maternal Diet-Induced Social and Synaptic Deficits in Offspring. <i>Cell</i> , 2016 , 165, 1762-1775	56.2	583
194	A catalog of reference genomes from the human microbiome. <i>Science</i> , 2010 , 328, 994-9	33.3	508
193	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIxS) specifications. <i>Nature Biotechnology</i> , 2011 , 29, 415-20	44.5	445
192	The gut microbiome modulates colon tumorigenesis. <i>MBio</i> , 2013 , 4, e00692-13	7.8	437
191	Decade-long bacterial community dynamics in cystic fibrosis airways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5809-14	11.5	431
190	A metagenomic approach to characterization of the vaginal microbiome signature in pregnancy. <i>PLoS ONE</i> , 2012 , 7, e36466	3.7	426
189	Metagenomic pyrosequencing and microbial identification. <i>Clinical Chemistry</i> , 2009 , 55, 856-66	5.5	394
188	Tumor Microbiome Diversity and Composition Influence Pancreatic Cancer Outcomes. <i>Cell</i> , 2019 , 178, 795-806.e12	56.2	389
187	The gut mycobiome of the Human Microbiome Project healthy cohort. <i>Microbiome</i> , 2017 , 5, 153	16.6	324
186	The human gut microbiome in early-onset type 1 diabetes from the TEDDY study. <i>Nature</i> , 2018 , 562, 589-594	50.4	323
185	Metagenomic analyses of alcohol induced pathogenic alterations in the intestinal microbiome and the effect of <i>Lactobacillus rhamnosus</i> GG treatment. <i>PLoS ONE</i> , 2013 , 8, e53028	3.7	317

184	A microbiota signature associated with experimental food allergy promotes allergic sensitization and anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 201-12	11.5	273
183	Microbial community assembly and metabolic function during mammalian corpse decomposition. <i>Science</i> , 2016 , 351, 158-62	33.3	256
182	The complete genome sequence of <i>Escherichia coli</i> DH10B: insights into the biology of a laboratory workhorse. <i>Journal of Bacteriology</i> , 2008 , 190, 2597-606	3.5	248
181	The Human Microbiome Project strategy for comprehensive sampling of the human microbiome and why it matters. <i>FASEB Journal</i> , 2013 , 27, 1012-22	0.9	235
180	Structure and function of the healthy pre-adolescent pediatric gut microbiome. <i>Microbiome</i> , 2015 , 3, 36	16.6	204
179	Alterations in the gut microbiota can elicit hypertension in rats. <i>Physiological Genomics</i> , 2017 , 49, 96-104	3.6	198
178	Altered Mucosal Microbiome Diversity and Disease Severity in Sjögren Syndrome. <i>Scientific Reports</i> , 2016 , 6, 23561	4.9	184
177	Role of the Gut Microbiome in Obstructive Sleep Apnea-Induced Hypertension. <i>Hypertension</i> , 2016 , 67, 469-74	8.5	181
176	IgA-coated enriched in Crohn's disease spondyloarthritis promote T17-dependent inflammation. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	172
175	Gut Microbiome Associates With Lifetime Cardiovascular Disease Risk Profile Among Bogalusa Heart Study Participants. <i>Circulation Research</i> , 2016 , 119, 956-64	15.7	170
174	Amino acid sequence determinants of beta-lactamase structure and activity. <i>Journal of Molecular Biology</i> , 1996 , 258, 688-703	6.5	155
173	The living dead: bacterial community structure of a cadaver at the onset and end of the bloat stage of decomposition. <i>PLoS ONE</i> , 2013 , 8, e77733	3.7	146
172	The genome of th17 cell-inducing segmented filamentous bacteria reveals extensive auxotrophy and adaptations to the intestinal environment. <i>Cell Host and Microbe</i> , 2011 , 10, 260-72	23.4	142
171	Measurement of SOS expression in individual <i>Escherichia coli</i> K-12 cells using fluorescence microscopy. <i>Molecular Microbiology</i> , 2004 , 53, 1343-57	4.1	140
170	Fecal microbiota imbalance in Mexican children with type 1 diabetes. <i>Scientific Reports</i> , 2014 , 4, 3814	4.9	137
169	Mathematical modeling of primary succession of murine intestinal microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 439-44	11.5	130
168	Longitudinal development of the gut microbiome and metabolome in preterm neonates with late onset sepsis and healthy controls. <i>Microbiome</i> , 2017 , 5, 75	16.6	126
167	Metagenomic analysis of nitrate-reducing bacteria in the oral cavity: implications for nitric oxide homeostasis. <i>PLoS ONE</i> , 2014 , 9, e88645	3.7	123

166	Randomised clinical trial: faecal microbiota transplantation for recurrent <i>Clostridium difficile</i> infection - fresh, or frozen, or lyophilised microbiota from a small pool of healthy donors delivered by colonoscopy. <i>Alimentary Pharmacology and Therapeutics</i> , 2017 , 45, 899-908	6.1	116
165	Investigating Colonization of the Healthy Adult Gastrointestinal Tract by Fungi. <i>MSphere</i> , 2018 , 3,	5	108
164	Paradoxical DNA repair and peroxide resistance gene conservation in <i>Bacillus pumilus</i> SAFR-032. <i>PLoS ONE</i> , 2007 , 2, e928	3.7	100
163	Association of nasopharyngeal microbiota profiles with bronchiolitis severity in infants hospitalised for bronchiolitis. <i>European Respiratory Journal</i> , 2016 , 48, 1329-1339	13.6	99
162	Initial insights into bacterial succession during human decomposition. <i>International Journal of Legal Medicine</i> , 2015 , 129, 661-71	3.1	95
161	MHC variation sculpts individualized microbial communities that control susceptibility to enteric infection. <i>Nature Communications</i> , 2015 , 6, 8642	17.4	94
160	Gut Microbiota-Derived Short-Chain Fatty Acids Promote Poststroke Recovery in Aged Mice. <i>Circulation Research</i> , 2020 , 127, 453-465	15.7	91
159	Temporal bacterial and metabolic development of the preterm gut reveals specific signatures in health and disease. <i>Microbiome</i> , 2016 , 4, 67	16.6	91
158	Stabilization of the murine gut microbiome following weaning. <i>Gut Microbes</i> , 2012 , 3, 383-93	8.8	86
157	Antibiotics in neonatal life increase murine susceptibility to experimental psoriasis. <i>Nature Communications</i> , 2015 , 6, 8424	17.4	85
156	The role of the gastrointestinal microbiome in infectious complications during induction chemotherapy for acute myeloid leukemia. <i>Cancer</i> , 2016 , 122, 2186-96	6.4	85
155	Characterization of the human gut microbiome during travelers' diarrhea. <i>Gut Microbes</i> , 2015 , 6, 110-9	8.8	85
154	Prospective virome analyses in young children at increased genetic risk for type 1 diabetes. <i>Nature Medicine</i> , 2019 , 25, 1865-1872	50.5	84
153	beta-Lactamases: protein evolution in real time. <i>Trends in Microbiology</i> , 1998 , 6, 323-7	12.4	82
152	Human milk oligosaccharides, milk microbiome and infant gut microbiome modulate neonatal rotavirus infection. <i>Nature Communications</i> , 2018 , 9, 5010	17.4	82
151	Chromosome rearrangement and diversification of <i>Francisella tularensis</i> revealed by the type B (OSU18) genome sequence. <i>Journal of Bacteriology</i> , 2006 , 188, 6977-85	3.5	81
150	The Gut Microbiome of the Vector <i>Lutzomyia longipalpis</i> Is Essential for Survival of <i>Leishmania infantum</i> . <i>MBio</i> , 2017 , 8,	7.8	80
149	Probiotics stimulate enterocyte migration and microbial diversity in the neonatal mouse intestine. <i>FASEB Journal</i> , 2012 , 26, 1960-9	0.9	78

148	Systematic mutagenesis of the active site omega loop of TEM-1 beta-lactamase. <i>Journal of Bacteriology</i> , 1996 , 178, 1821-8	3.5	78
147	Subspecies Influences Proinflammatory Cytokine Expression and Monocyte Activation in Human Colorectal Tumors. <i>Cancer Prevention Research</i> , 2017 , 10, 398-409	3.2	74
146	Prebiotics, Probiotics, and Acetate Supplementation Prevent Hypertension in a Model of Obstructive Sleep Apnea. <i>Hypertension</i> , 2018 , 72, 1141-1150	8.5	74
145	Stress-induced beta-lactam antibiotic resistance mutation and sequences of stationary-phase mutations in the Escherichia coli chromosome. <i>Journal of Bacteriology</i> , 2009 , 191, 5881-9	3.5	70
144	Adaptive amplification and point mutation are independent mechanisms: evidence for various stress-inducible mutation mechanisms. <i>PLoS Biology</i> , 2004 , 2, e399	9.7	69
143	Transmission event of SARS-CoV-2 delta variant reveals multiple vaccine breakthrough infections. <i>BMC Medicine</i> , 2021 , 19, 255	11.4	68
142	Respiratory syncytial virus and rhinovirus severe bronchiolitis are associated with distinct nasopharyngeal microbiota. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1909-1913.e4	11.5	67
141	Sequence type 1 group B Streptococcus, an emerging cause of invasive disease in adults, evolves by small genetic changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6431-6	11.5	63
140	Characterization of the rat oral microbiome and the effects of dietary nitrate. <i>Free Radical Biology and Medicine</i> , 2014 , 77, 249-57	7.8	61
139	Contributions of aspartate 49 and phenylalanine 142 residues of a tight binding inhibitory protein of beta-lactamases. <i>Journal of Biological Chemistry</i> , 1999 , 274, 2394-400	5.4	61
138	Single Delivery of High-Diversity Fecal Microbiota Preparation by Colonoscopy Is Safe and Effective in Increasing Microbial Diversity in Active Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2017 , 23, 903-911	4.5	60
137	Saturated and Unsaturated Dietary Fats Differentially Modulate Ethanol-Induced Changes in Gut Microbiome and Metabolome in a Mouse Model of Alcoholic Liver Disease. <i>American Journal of Pathology</i> , 2016 , 186, 765-76	5.8	58
136	Associations of Nasopharyngeal Metabolome and Microbiome with Severity among Infants with Bronchiolitis. A Multiomic Analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 882-891	10.2	57
135	Gut microbiota signatures are associated with toxicity to combined CTLA-4 and PD-1 blockade. <i>Nature Medicine</i> , 2021 , 27, 1432-1441	50.5	57
134	The microbiome in precision medicine: the way forward. <i>Genome Medicine</i> , 2018 , 10, 12	14.4	56
133	Decreased microbiota diversity associated with urinary tract infection in a trial of bacterial interference. <i>Journal of Infection</i> , 2015 , 71, 358-367	18.9	54
132	Effects of tobacco smoke and electronic cigarette vapor exposure on the oral and gut microbiota in humans: a pilot study. <i>PeerJ</i> , 2018 , 6, e4693	3.1	54
131	Host response to probiotics determined by nutritional status of rotavirus-infected neonatal mice. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012 , 55, 299-307	2.8	52

130	Dietary fiber and probiotics influence the gut microbiome and melanoma immunotherapy response.. <i>Science</i> , 2021 , 374, 1632-1640	33.3	52
129	Characterization of oral and gut microbiome temporal variability in hospitalized cancer patients. <i>Genome Medicine</i> , 2017 , 9, 21	14.4	51
128	Dietary quality and the colonic mucosa-associated gut microbiome in humans. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 701-712	7	50
127	Microbiome disruption and recovery in the fish following exposure to broad-spectrum antibiotic. <i>Infection and Drug Resistance</i> , 2017 , 10, 143-154	4.2	50
126	Safety and preliminary efficacy of orally administered lyophilized fecal microbiota product compared with frozen product given by enema for recurrent <i>Clostridium difficile</i> infection: A randomized clinical trial. <i>PLoS ONE</i> , 2018 , 13, e0205064	3.7	50
125	Genome sequence of <i>Fusobacterium nucleatum</i> subspecies polymorphum - a genetically tractable fusobacterium. <i>PLoS ONE</i> , 2007 , 2, e659	3.7	47
124	Transmissible microbial and metabolomic remodeling by soluble dietary fiber improves metabolic homeostasis. <i>Scientific Reports</i> , 2015 , 5, 10604	4.9	46
123	Composition and function of the undernourished neonatal mouse intestinal microbiome. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1050-7	6.3	46
122	<i>Francisella tularensis</i> genomics and proteomics. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1105, 98-121	6.5	46
121	The role of gut microbiota in fetal methylmercury exposure: Insights from a pilot study. <i>Toxicology Letters</i> , 2016 , 242, 60-67	4.4	45
120	Impact of enhanced <i>Staphylococcus</i> DNA extraction on microbial community measures in cystic fibrosis sputum. <i>PLoS ONE</i> , 2012 , 7, e33127	3.7	44
119	Metagenomics of the faecal virome indicate a cumulative effect of enterovirus and gluten amount on the risk of coeliac disease autoimmunity in genetically at risk children: the TEDDY study. <i>Gut</i> , 2020 , 69, 1416-1422	19.2	43
118	Frequency of Tongue Cleaning Impacts the Human Tongue Microbiome Composition and Enterosalivary Circulation of Nitrate. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 39	5.9	42
117	Water management impacts rice methylmercury and the soil microbiome. <i>Science of the Total Environment</i> , 2016 , 572, 608-617	10.2	42
116	Implementation of a Pan-Genomic Approach to Investigate Holobiont-Infecting Microbe Interaction: A Case Report of a Leukemic Patient with Invasive Mucormycosis. <i>PLoS ONE</i> , 2015 , 10, e0139851	3.7	42
115	Isolation and concentration of bacteria from blood using microfluidic membraneless dialysis and dielectrophoresis. <i>Lab on A Chip</i> , 2017 , 17, 1340-1348	7.2	41
114	Conjunctival Microbiome Changes Associated With Soft Contact Lens and Orthokeratology Lens Wearing 2017 , 58, 128-136		40
113	Bioactivity and bioavailability of ginsenosides are dependent on the glycosidase activities of the A/J mouse intestinal microbiome defined by pyrosequencing. <i>Pharmaceutical Research</i> , 2013 , 30, 836-46	4.5	40

112	Nasal Airway Microbiota Profile and Severe Bronchiolitis in Infants: A Case-control Study. <i>Pediatric Infectious Disease Journal</i> , 2017 , 36, 1044-1051	3.4	38
111	16S gut community of the Cameron County Hispanic Cohort. <i>Microbiome</i> , 2015 , 3, 7	16.6	38
110	Cesarean or Vaginal Birth Does Not Impact the Longitudinal Development of the Gut Microbiome in a Cohort of Exclusively Preterm Infants. <i>Frontiers in Microbiology</i> , 2017 , 8, 1008	5.7	36
109	MicroRNA-146a constrains multiple parameters of intestinal immunity and increases susceptibility to DSS colitis. <i>Oncotarget</i> , 2015 , 6, 28556-72	3.3	36
108	Human milk oligosaccharide DSLNT and gut microbiome in preterm infants predicts necrotising enterocolitis. <i>Gut</i> , 2021 , 70, 2273-2282	19.2	36
107	Microbiome-Epigenome Interactions and the Environmental Origins of Inflammatory Bowel Diseases. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016 , 62, 208-19	2.8	34
106	Leveraging Human Microbiome Features to Diagnose and Stratify Children with Irritable Bowel Syndrome. <i>Journal of Molecular Diagnostics</i> , 2019 , 21, 449-461	5.1	33
105	The association between anterior nares and nasopharyngeal microbiota in infants hospitalized for bronchiolitis. <i>Microbiome</i> , 2018 , 6, 2	16.6	33
104	Morphine Promotes Colonization of Anastomotic Tissues with Collagenase - Producing <i>Enterococcus faecalis</i> and Causes Leak. <i>Journal of Gastrointestinal Surgery</i> , 2016 , 20, 1744-51	3.3	32
103	ATCC 8483 monotherapy is superior to traditional fecal transplant and multi-strain bacteriotherapy in a murine colitis model. <i>Gut Microbes</i> , 2019 , 10, 504-520	8.8	30
102	Gut microbiota as a source of a surrogate antigen that triggers autoimmunity in an immune privileged site. <i>Gut Microbes</i> , 2017 , 8, 59-66	8.8	29
101	Nasopharyngeal Proteobacteria are associated with viral etiology and acute wheezing in children with severe bronchiolitis. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1220-2	11.5	29
100	Transmission event of SARS-CoV-2 Delta variant reveals multiple vaccine breakthrough infections 2021 ,		29
99	Antibiotic-mediated bacteriome depletion in Apc mice is associated with reduction in mucus-producing goblet cells and increased colorectal cancer progression. <i>Cancer Medicine</i> , 2018 , 7, 2003-2012	4.8	28
98	Young versus aged microbiota transplants to germ-free mice: increased short-chain fatty acids and improved cognitive performance. <i>Gut Microbes</i> , 2020 , 12, 1-14	8.8	28
97	The host effects of <i>Gambusia affinis</i> with an antibiotic-disrupted microbiome. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 178, 163-168	3.2	27
96	Increased <i>Moraxella</i> and <i>Streptococcus</i> species abundance after severe bronchiolitis is associated with recurrent wheezing. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 518-527.e8	11.5	27
95	The gut microbiota is associated with psychiatric symptom severity and treatment outcome among individuals with serious mental illness. <i>Journal of Affective Disorders</i> , 2020 , 264, 98-106	6.6	27

94	Early nasal microbiota and acute respiratory infections during the first years of life. <i>Thorax</i> , 2019 , 74, 592-599	7.3	26
93	Influence of fecal collection conditions and 16S rRNA gene sequencing at two centers on human gut microbiota analysis. <i>Scientific Reports</i> , 2018 , 8, 4386	4.9	26
92	Maximal viral information recovery from sequence data using VirMAP. <i>Nature Communications</i> , 2018 , 9, 3205	17.4	26
91	Rotavirus infection induces glycan availability to promote ileum-specific changes in the microbiome aiding rotavirus virulence. <i>Gut Microbes</i> , 2020 , 11, 1324-1347	8.8	25
90	Successful collection of stool samples for microbiome analyses from a large community-based population of elderly men. <i>Contemporary Clinical Trials Communications</i> , 2017 , 7, 158-162	1.8	24
89	Household siblings and nasal and fecal microbiota in infants. <i>Pediatrics International</i> , 2017 , 59, 473-481	1.2	23
88	Intermittent fasting from dawn to sunset for 30 consecutive days is associated with anticancer proteomic signature and upregulates key regulatory proteins of glucose and lipid metabolism, circadian clock, DNA repair, cytoskeleton remodeling, immune system and cognitive function in healthy subjects. <i>Journal of Proteomics</i> , 2020 , 217, 103645	3.9	23
87	Complete Genome Sequence of <i>Turicibacter</i> sp. Strain H121, Isolated from the Feces of a Contaminated Germ-Free Mouse. <i>Genome Announcements</i> , 2016 , 4,		23
86	Effect of sample storage conditions on culture-independent bacterial community measures in cystic fibrosis sputum specimens. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 3717-8	9.7	22
85	Maternal micronutrients can modify colonic mucosal microbiota maturation in murine offspring. <i>Gut Microbes</i> , 2012 , 3, 426-33	8.8	22
84	Impact of environmental microbiota on human microbiota of workers in academic mouse research facilities: An observational study. <i>PLoS ONE</i> , 2017 , 12, e0180969	3.7	22
83	Gut microbiome diversity is an independent predictor of survival in cervical cancer patients receiving chemoradiation. <i>Communications Biology</i> , 2021 , 4, 237	6.7	22
82	A Lachnospiraceae-dominated bacterial signature in the fecal microbiota of HIV-infected individuals from Colombia, South America. <i>Scientific Reports</i> , 2018 , 8, 4479	4.9	21
81	Development and accuracy of quantitative real-time polymerase chain reaction assays for detection and quantification of enterotoxigenic <i>Escherichia coli</i> (ETEC) heat labile and heat stable toxin genes in travelers' diarrhea samples. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 90, 124-32	3.2	20
80	Impact of Age-Related Mitochondrial Dysfunction and Exercise on Intestinal Microbiota Composition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 571-578	6.4	19
79	Serum cathelicidin, nasopharyngeal microbiota, and disease severity among infants hospitalized with bronchiolitis. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1383-1386.e6	11.5	19
78	Development of the cutaneous microbiome in the preterm infant: A prospective longitudinal study. <i>PLoS ONE</i> , 2017 , 12, e0176669	3.7	19
77	Middle ear microbiome differences in indigenous Filipinos with chronic otitis media due to a duplication in the A2ML1 gene. <i>Infectious Diseases of Poverty</i> , 2016 , 5, 97	10.4	19

76	Oligofructose protects against arsenic-induced liver injury in a model of environment/obesity interaction. <i>Toxicology and Applied Pharmacology</i> , 2015 , 284, 304-14	4.6	18
75	Display of functional beta-lactamase inhibitory protein on the surface of M13 bacteriophage. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 2893-7	5.9	18
74	The relationship between nasopharyngeal CCL5 and microbiota on disease severity among infants with bronchiolitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017 , 72, 1796-1800	9.3	17
73	Murine model of chemotherapy-induced extraintestinal pathogenic Escherichia coli translocation. <i>Infection and Immunity</i> , 2015 , 83, 3243-56	3.7	17
72	Dietary inflammatory potential in relation to the gut microbiome: results from a cross-sectional study. <i>British Journal of Nutrition</i> , 2020 , 124, 931-942	3.6	17
71	Chromosomal system for studying AmpC-mediated beta-lactam resistance mutation in Escherichia coli. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 1535-9	5.9	17
70	Insular resting state functional connectivity is associated with gut microbiota diversity. <i>European Journal of Neuroscience</i> , 2019 , 50, 2446-2452	3.5	17
69	Genetic and Environmental Determinants of Otitis Media in an Indigenous Filipino Population. <i>Otolaryngology - Head and Neck Surgery</i> , 2016 , 155, 856-862	5.5	16
68	Oral microbiota reveals signs of acculturation in Mexican American women. <i>PLoS ONE</i> , 2018 , 13, e0194109	10.9	16
67	Metabolomic signatures distinguish the impact of formula carbohydrates on disease outcome in a preterm piglet model of NEC. <i>Microbiome</i> , 2018 , 6, 111	16.6	15
66	Serum LL-37 Levels Associated With Severity of Bronchiolitis and Viral Etiology. <i>Clinical Infectious Diseases</i> , 2017 , 65, 967-975	11.6	15
65	Monotonous diets protect against acute colitis in mice: epidemiologic and therapeutic implications. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013 , 56, 544-50	2.8	15
64	Generation and validation of a Shewanella oneidensis MR-1 clone set for protein expression and phage display. <i>PLoS ONE</i> , 2008 , 3, e2983	3.7	15
63	Using formalin fixed paraffin embedded tissue to characterize the preterm gut microbiota in necrotising enterocolitis and spontaneous isolated perforation using marginal and diseased tissue. <i>BMC Microbiology</i> , 2019 , 19, 52	4.5	14
62	The changing landscape of type 1 diabetes: recent developments and future frontiers. <i>Current Diabetes Reports</i> , 2013 , 13, 642-50	5.6	14
61	Comparison of Methods To Collect Fecal Samples for Microbiome Studies Using Whole-Genome Shotgun Metagenomic Sequencing. <i>MSphere</i> , 2020 , 5,	5	13
60	Microbial-Derived Metabolites Reflect an Altered Intestinal Microbiota during Catch-Up Growth in Undernourished Neonatal Mice. <i>Journal of Nutrition</i> , 2016 , 146, 940-8	4.1	13
59	Association of Maternal Gestational Weight Gain With the Infant Fecal Microbiota. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017 , 65, 509-515	2.8	12

58	Serum Metabolome Is Associated With the Nasopharyngeal Microbiota and Disease Severity Among Infants With Bronchiolitis. <i>Journal of Infectious Diseases</i> , 2019 , 219, 2005-2014	7	12
57	Arginine Metabolism Is Altered in Adults with A- β -Ketosis-Prone Diabetes. <i>Journal of Nutrition</i> , 2018 , 148, 185-193	4.1	12
56	Enterococcal Adherence to Human Heparan Sulfate Proteoglycans Drives Segment and Host Specific Responses to Infection. <i>PLoS Pathogens</i> , 2020 , 16, e1008851	7.6	12
55	A type VII secretion system of <i>Streptococcus gallolyticus</i> subsp. <i>gallolyticus</i> contributes to gut colonization and the development of colon tumors. <i>PLoS Pathogens</i> , 2021 , 17, e1009182	7.6	12
54	Oral insulin immunotherapy in children at risk for type 1 diabetes in a randomised controlled trial. <i>Diabetologia</i> , 2021 , 64, 1079-1092	10.3	11
53	Longitudinal Changes in Early Nasal Microbiota and the Risk of Childhood Asthma. <i>Pediatrics</i> , 2020 , 146,	7.4	10
52	Restructuring the Gut Microbiota by Intermittent Fasting Lowers Blood Pressure. <i>Circulation Research</i> , 2021 , 128, 1240-1254	15.7	9
51	Houston hurricane Harvey health (Houston-3H) study: assessment of allergic symptoms and stress after hurricane Harvey flooding. <i>Environmental Health</i> , 2021 , 20, 9	6	9
50	Sphingolipid metabolism potential in fecal microbiome and bronchiolitis in infants: a case-control study. <i>BMC Research Notes</i> , 2017 , 10, 325	2.3	8
49	Association of diversity and composition of the gut microbiome with differential responses to PD-1 based therapy in patients with metastatic melanoma.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 2-2	2.2	8
48	Oligonucleotide capture sequencing of the SARS-CoV-2 genome and subgenomic fragments from COVID-19 individuals 2020 ,		8
47	Oligonucleotide capture sequencing of the SARS-CoV-2 genome and subgenomic fragments from COVID-19 individuals. <i>PLoS ONE</i> , 2021 , 16, e0244468	3.7	8
46	Oligonucleotide Capture Sequencing of the SARS-CoV-2 Genome and Subgenomic Fragments from COVID-19 Individuals 2020 ,		7
45	Universal microbial diagnostics using random DNA probes. <i>Science Advances</i> , 2016 , 2, e1600025	14.3	6
44	Fungal cutaneous microbiome and host determinants in preterm and term neonates. <i>Pediatric Research</i> , 2020 , 88, 225-233	3.2	6
43	Alcohol use alters the colonic mucosa-associated gut microbiota in humans. <i>Nutrition Research</i> , 2020 , 83, 119-128	4	6
42	High-Quality Draft Genome Sequence of <i>Francisella tularensis</i> subsp. <i>holarctica</i> Strain OR96-0246. <i>Genome Announcements</i> , 2015 , 3,		5
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