

# Ilias Lagkouvardos

## List of Publications by Year in Descending Order

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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.

57  
papers

3,021  
citations

29  
h-index

54  
g-index

64  
ext. papers

4,643  
ext. citations

8.6  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
57	Recent advances in culture-based gut microbiome research. <i>International Journal of Medical Microbiology</i> , <b>2021</b> , 311, 151485	3.7	1
56	Endophytic Bacterial Isolates From Halophytes Demonstrate Phytopathogen Biocontrol and Plant Growth Promotion Under High Salinity. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 681567	5.7	8
55	Pre-digest of unprotected DNA by Benzonase improves the representation of living skin bacteria and efficiently depletes host DNA. <i>Microbiome</i> , <b>2021</b> , 9, 123	16.6	2
54	MiMiC: a bioinformatic approach for generation of synthetic communities from metagenomes. <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 1757-1770	6.3	0
53	Handling of spurious sequences affects the outcome of high-throughput 16S rRNA gene amplicon profiling. <i>ISME Communications</i> , <b>2021</b> , 1,		7
52	Seasonal dynamics in the number and composition of coliform bacteria in drinking water reservoirs. <i>Science of the Total Environment</i> , <b>2021</b> , 787, 147539	10.2	5
51	A collection of bacterial isolates from the pig intestine reveals functional and taxonomic diversity. <i>Nature Communications</i> , <b>2020</b> , 11, 6389	17.4	26
50	An Integrated Metagenome Catalog Reveals New Insights into the Murine Gut Microbiome. <i>Cell Reports</i> , <b>2020</b> , 30, 2909-2922.e6	10.6	44
49	Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. <i>Molecular Metabolism</i> , <b>2020</b> , 42, 101076	8.8	15
48	A Novel Primer Mixture for GH48 Genes: Quantification and Identification of Truly Cellulolytic Bacteria in Biogas Fermenters. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	1
47	Integrated microbiota and metabolite profiles link Crohn's disease to sulfur metabolism. <i>Nature Communications</i> , <b>2020</b> , 11, 4322	17.4	25
46	Impact of Laparoscopic Sleeve Gastrectomy on Gut Permeability in Morbidly Obese Subjects. <i>Obesity Surgery</i> , <b>2019</b> , 29, 2132-2143	3.7	10
45	Synbiotic-driven improvement of metabolic disturbances is associated with changes in the gut microbiome in diet-induced obese mice. <i>Molecular Metabolism</i> , <b>2019</b> , 22, 96-109	8.8	62
44	Sequence and cultivation study of Muribaculaceae reveals novel species, host preference, and functional potential of this yet undescribed family. <i>Microbiome</i> , <b>2019</b> , 7, 28	16.6	202
43	Dysbiotische Verschiebungen der mikrobiellen Gemeinschaft des supragingivalen oralen Biofilms durch häufigen Saccharosekonsum. <i>Oralprophylaxe Und Kinderzahnheilkunde</i> , <b>2019</b> , 41, 157-168	0.1	
42	Acetatifactor <b>2018</b> , 1-8		
41	Increased Pancreatic Protease Activity in Response to Antibiotics Impairs Gut Barrier and Triggers Colitis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2018</b> , 6, 370-388.e3	7.9	13

40	Activated ATF6 Induces Intestinal Dysbiosis and Innate Immune Response to Promote Colorectal Tumorigenesis. <i>Gastroenterology</i> , <b>2018</b> , 155, 1539-1552.e12	13.3	51
39	In-vivo shift of the microbiota in oral biofilm in response to frequent sucrose consumption. <i>Scientific Reports</i> , <b>2018</b> , 8, 14202	4.9	30
38	Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD. <i>Gut</i> , <b>2017</b> , 66, 863-871	19.2	160
37	Draft Genome of <i>Scalindua rubra</i> , Obtained from the Interface Above the Discovery Deep Brine in the Red Sea, Sheds Light on Potential Salt Adaptation Strategies in Anammox Bacteria. <i>Microbial Ecology</i> , <b>2017</b> , 74, 1-5	4.4	53
36	Cultured microbes represent a substantial fraction of the human and mouse gut microbiota. <i>Gut Microbes</i> , <b>2017</b> , 8, 493-503	8.8	57
35	From complex gut communities to minimal microbiomes via cultivation. <i>Current Opinion in Microbiology</i> , <b>2017</b> , 38, 148-155	7.9	17
34	Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. <i>Immunological Reviews</i> , <b>2017</b> , 279, 8-22	11.3	57
33	Effect of caloric restriction on gut permeability, inflammation markers, and fecal microbiota in obese women. <i>Scientific Reports</i> , <b>2017</b> , 7, 11955	4.9	77
32	Randomized controlled trial on the impact of early-life intervention with bifidobacteria on the healthy infant fecal microbiota and metabolome. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 1274-1286	7.2	66
31	Determinants of postprandial plasma bile acid kinetics in human volunteers. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, G300-G312	5.1	25
30	Rhea: a transparent and modular R pipeline for microbial profiling based on 16S rRNA gene amplicons. <i>PeerJ</i> , <b>2017</b> , 5, e2836	3.1	172
29	A Rickettsiales symbiont of amoebae with ancient features. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 2326-2342	4.2	41
28	Dysbiotic gut microbiota causes transmissible Crohn's disease-like ileitis independent of failure in antimicrobial defence. <i>Gut</i> , <b>2016</b> , 65, 225-37	19.2	220
27	Comparative genomics and physiology of the butyrate-producing bacterium <i>Intestinimonas butyriciproducens</i> . <i>Environmental Microbiology Reports</i> , <b>2016</b> , 8, 1024-1037	3.7	52
26	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1162-1174	8.8	108
25	The Mouse Intestinal Bacterial Collection (miBC) provides host-specific insight into cultured diversity and functional potential of the gut microbiota. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16131	26.6	222
24	IMNGS: A comprehensive open resource of processed 16S rRNA microbial profiles for ecology and diversity studies. <i>Scientific Reports</i> , <b>2016</b> , 6, 33721	4.9	192
23	Mining gut microbiome oligopeptides by functional metaproteome display. <i>Scientific Reports</i> , <b>2016</b> , 6, 34337	4.9	11

22	Exclusive enteral nutrition in active pediatric Crohn disease: Effects on intestinal microbiota and immune regulation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 138, 592-6	11.5	39
21	The mouse gut microbiome revisited: From complex diversity to model ecosystems. <i>International Journal of Medical Microbiology</i> , <b>2016</b> , 306, 316-327	3.7	50
20	Gut barrier impairment by high-fat diet in mice depends on housing conditions. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 897-908	5.9	40
19	Microbiome sequencing: challenges and opportunities for molecular medicine. <i>Expert Review of Molecular Diagnostics</i> , <b>2016</b> , 16, 795-805	3.8	25
18	Cyanate as an energy source for nitrifiers. <i>Nature</i> , <b>2015</b> , 524, 105-8	50.4	160
17	Murimonas intestini gen. nov., sp. nov., an acetate-producing bacterium of the family Lachnospiraceae isolated from the mouse gut. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2015</b> , 65, 870-878	2.2	14
16	Physiological relevance of food grade microcapsules: Impact of milk protein based microcapsules on inflammation in mouse models for inflammatory bowel diseases. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 1629-34	5.9	4
15	Gut metabolites and bacterial community networks during a pilot intervention study with flaxseeds in healthy adult men. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 1614-28	5.9	65
14	Surface-Associated Lipoproteins Link Enterococcus faecalis Virulence to Colitogenic Activity in IL-10-Deficient Mice Independent of Their Expression Levels. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004911	7.6	37
13	Signature protein of the PVC superphylum. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 440-5	4.8	18
12	The giant ciliate Zoothamnium niveum and its thiotrophic epibiont Candidatus Thiobios zoothamnocoli: a model system to study interspecies cooperation. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 1455-7	5.7	19
11	Life in an unusual intracellular niche: a bacterial symbiont infecting the nucleus of amoebae. <i>ISME Journal</i> , <b>2014</b> , 8, 1634-44	11.9	32
10	Integrating metagenomic and amplicon databases to resolve the phylogenetic and ecological diversity of the Chlamydiae. <i>ISME Journal</i> , <b>2014</b> , 8, 115-25	11.9	68
9	Endospores of thermophilic bacteria as tracers of microbial dispersal by ocean currents. <i>ISME Journal</i> , <b>2014</b> , 8, 1153-65	11.9	85
8	Improved axenization method reveals complexity of symbiotic associations between bacteria and acanthamoebae. <i>Environmental Microbiology Reports</i> , <b>2014</b> , 6, 383-8	3.7	18
7	Massive expansion of Ubiquitination-related gene families within the Chlamydiae. <i>Molecular Biology and Evolution</i> , <b>2014</b> , 31, 2890-904	8.3	26
6	Interactions of nitrifying bacteria and heterotrophs: identification of a Micavibrio-like putative predator of Nitrospira spp. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 2027-37	4.8	67
5	Genome of Acanthamoeba castellanii highlights extensive lateral gene transfer and early evolution of tyrosine kinase signaling. <i>Genome Biology</i> , <b>2013</b> , 14, R11	18.3	205

4	Depletion of unwanted nucleic acid templates by selective cleavage: LNAzymes, catalytically active oligonucleotides containing locked nucleic acids, open a new window for detecting rare microbial community members. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 1534-44	4.8	9
3	Handling of Spurious Sequences Affects the Outcome of High-Throughput 16S rRNA Gene Amplicon Profiling		2
2	An integrated metagenome catalog reveals novel insights into the murine gut microbiome		5
1	Namco: A microbiome explorer		1