Tatsuya Unno

List of Publications by Year
in descending order

85 papers	3,087 citations	159585 30 h-index	168389 53 g-index
87 all docs	87 docs citations	87 times ranked	4901 citing authors

#	Article	IF	Citations
1	Sex Differences in Gut Microbiota. World Journal of Men?s Health, 2020, 38, 48.	3.3	340
2	High-throughput DNA sequence analysis reveals stable engraftment of gut microbiota following transplantation of previously frozen fecal bacteria. Gut Microbes, 2013, 4, 125-135.	9.8	262
3	Dynamic changes in short- and long-term bacterial composition following fecal microbiota transplantation for recurrent Clostridium difficile infection. Microbiome, 2015, 3, 10.	11.1	218
4	Application of Illumina next-generation sequencing to characterize the bacterial community of the Upper Mississippi River. Journal of Applied Microbiology, 2013, 115, 1147-1158.	3.1	209
5	Comparative genomics of the core and accessory genomes of 48 Sinorhizobium strains comprising five genospecies. Genome Biology, 2013, 14, R17.	9.6	164
6	Prevalence of antibiotic resistance genes from effluent of coastal aquaculture, South Korea. Environmental Pollution, 2018, 233, 1049-1057.	7.5	127
7	Use of Barcoded Pyrosequencing and Shared OTUs To Determine Sources of Fecal Bacteria in Watersheds. Environmental Science & Technology, 2010, 44, 7777-7782.	10.0	108
8	Species and genus level resolution analysis of gut microbiota in Clostridium difficile patients following fecal microbiota transplantation. Microbiome, 2014, 2, 13.	11.1	98
9	Current understanding of microbiota- and dietary-therapies for treating inflammatory bowel disease. Journal of Microbiology, 2018, 56, 189-198.	2.8	97
10	Laminarin favorably modulates gut microbiota in mice fed a high-fat diet. Food and Function, 2016, 7, 4193-4201.	4.6	74
11	Metagenomic analysis reveals the prevalence and persistence of antibiotic- and heavy metal-resistance genes in wastewater treatment plant. Journal of Microbiology, 2018, 56, 408-415.	2.8	69
12	Analysis of swine fecalÂmicrobiota at various growth stages. Archives of Microbiology, 2015, 197, 753-759.	2.2	68
13	Changes in human gut microbiota influenced by probiotic fermented milk ingestion. Journal of Dairy Science, 2015, 98, 3568-3576.	3.4	60
14	Baicalein Suppresses Stem Cell-Like Characteristics in Radio- and Chemoresistant MDA-MB-231 Human Breast Cancer Cells through Up-Regulation of IFIT2. Nutrients, 2019, 11, 624.	4.1	57
15	Fecal pollution: new trends and challenges in microbial source tracking using nextâ€generation sequencing. Environmental Microbiology, 2018, 20, 3132-3140.	3.8	56
16	Higher abundance of core antimicrobial resistant genes in effluent from wastewater treatment plants. Water Research, 2022, 208, 117882.	11.3	51
17	Absence of Escherichia coli Phylogenetic Group B2 Strains in Humans and Domesticated Animals from Jeonnam Province, Republic of Korea. Applied and Environmental Microbiology, 2009, 75, 5659-5666.	3.1	46
18	The occurrence of virulence traits among high-level aminoglycosides resistant Enterococcus isolates obtained from feces of humans, animals, and birds in South Korea. International Journal of Food Microbiology, 2011, 144, 387-392.	4.7	45

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19	Pathogenic Escherichia coli Strains Producing Extended-Spectrum Î²-Lactamases in the Yeongsan River Basin of South Korea. Environmental Science & Technology, 2013, 47, 1128-1136.	10.0	42
20	Emergence of Klebsiella variicola positive for NDM-9, a variant of New Delhi metallo-Î²-lactamase, in an urban river in South Korea. Journal of Antimicrobial Chemotherapy, 2017, 72, dkw547.	3.0	42
21	Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide. Genes, 2017, 8, 350.	2.4	41
22	Influence of seawater intrusion on microbial communities in groundwater. Science of the Total Environment, 2015, 532, 337-343.	8.0	38
23	Probiotic Lactobacillus fermentum strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota. Scientific Reports, 2020, 10, 21701.	3.3	38
24	A Korean-Style Balanced Diet Has a Potential Connection with Ruminococcaceae Enterotype and Reduction of Metabolic Syndrome Incidence in Korean Adults. Nutrients, 2021, 13, 495.	4.1	36
25	Effects of Antibiotic Growth Promoter and Characterization of Ecological Succession in Swine Gut Microbiota. Journal of Microbiology and Biotechnology, 2015, 25, 431-438.	2.1	36
26	Effects of the Antibiotics Growth Promoter Tylosin on Swine Gut Microbiota. Journal of Microbiology and Biotechnology, 2016, 26, 876-882.	2.1	35
27	Integrated Online System for a Pyrosequencing-Based Microbial Source Tracking Method that Targets Bacteroidetes 16S rDNA. Environmental Science & Technology, 2012, 46, 93-98.	10.0	34
28	Nobiletin Enhances Chemosensitivity to Adriamycin through Modulation of the Akt/GSK3Î²/Î²â€“Catenin/MYCN/MRP1 Signaling Pathway in A549 Human Non-Small-Cell Lung Cancer Cells. Nutrients, 2018, 10, 1829.	4.1	34
29	Metabolic Characterization of Newly Isolated Pseudomonas nitroreducens Jin1 Growing on Eugenol and Isoeugenol. Journal of Agricultural and Food Chemistry, 2007, 55, 8556-8561.	5.2	33
30	Metagenomic exploration of antibiotic resistome in treated wastewater effluents and their receiving water. Science of the Total Environment, 2021, 765, 142755.	8.0	33
31	Dietary intervention using (1,3)/(1,6)-Î²-glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model. European Journal of Nutrition, 2020, 59, 2617-2629.	3.9	32
32	Fish farm effluents as a source of antibiotic resistance gene dissemination on Jeju Island, South Korea. Environmental Pollution, 2021, 276, 116764.	7.5	31
33	Codium fragile Ameliorates High-Fat Diet-Induced Metabolism by Modulating the Gut Microbiota in Mice. Nutrients, 2020, 12, 1848.	4.1	27
34	Anti-Inflammatory Properties and Gut Microbiota Modulation of Porphyra tenera Extracts in Dextran Sodium Sulfate-Induced Colitis in Mice. Antioxidants, 2020, 9, 988.	5.1	26
35	High diversity and abundance of antibiotic-resistant Escherichia coli isolated from humans and farm animal hosts in Jeonnam Province, South Korea. Science of the Total Environment, 2010, 408, 3499-3506.	8.0	22
36	Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota. Journal of Microbiology, 2020, 58, 859-867.	2.8	19

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37	Effects of Î²-glucan, probiotics, and synbiotics on obesity-associated colitis and hepatic manifestations in C57BL/6J mice. European Journal of Nutrition, 2022, 61, 793-807.	3.9	19
38	Seasonal and Genotypic Changes in Escherichia coli Phylogenetic Groups in the Yeongsan River Basin of South Korea. PLoS ONE, 2014, 9, e100585.	2.5	19
39	Isoeugenol monooxygenase and its putative regulatory gene are located in the eugenol metabolic gene cluster in Pseudomonas nitroreducens Jin1. Archives of Microbiology, 2010, 192, 201-209.	2.2	18
40	Bacterial Communities in Ground-and Surface Water Mixing Zone Induced by Seasonal Heavy Extraction of Groundwater. Geomicrobiology Journal, 2018, 35, 768-774.	2.0	17
41	Prevalence of seasonâ€specific Escherichia coli strains in the Yeongsan River Basin of South Korea. Environmental Microbiology, 2011, 13, 3103-3113.	3.8	15
42	Genotypic and Phenotypic Trends in Antibiotic Resistant Pathogenic Escherichia coli Isolated from Humans and Farm Animals in South Korea. Microbes and Environments, 2011, 26, 198-204.	1.6	14
43	Microbial source tracking using metagenomics and other new technologies. Journal of Microbiology, 2021, 59, 259-269.	2.8	13
44	Impacts of Initial Fertilizers and Irrigation Systems on Paddy Methanogens and Methane Emission. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	12
45	Dendropanax morbifera Leaf Extracts Improved Alcohol Liver Injury in Association with Changes in the Gut Microbiota of Rats. Antioxidants, 2020, 9, 911.	5.1	12
46	Effects of digested Cheonggukjang on human microbiota assessed by in vitro fecal fermentation. Journal of Microbiology, 2021, 59, 217-227.	2.8	12
47	Comparison of the Fecal Microbiota of Horses with Intestinal Disease and Their Healthy Counterparts. Veterinary Sciences, 2021, 8, 113.	1.7	12
48	Application of laser-induced breakdown spectroscopy to Arctic sediments in the Chukchi Sea. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 146, 84-92.	2.9	11
49	Korean Traditional Medicine (Jakyakgamcho-tang) Ameliorates Colitis by Regulating Gut Microbiota. Metabolites, 2019, 9, 226.	2.9	11
50	Synbiotic supplementation with prebiotic Schizophyllum commune derived Î²-(1,3/1,6)-glucan and probiotic concoction benefits gut microbiota and its associated metabolic activities. Applied Biological Chemistry, 2021, 64, .	1.9	11
51	Differences in the Effects of Calcium and Magnesium Ions on the Anammox Granular Properties to Alleviate Salinity Stress. Applied Sciences (Switzerland), 2022, 12, 19.	2.5	11
52	Dietary regulations for microbiota dysbiosis among post-menopausal women with type 2 diabetes. Critical Reviews in Food Science and Nutrition, 2023, 63, 9961-9976.	10.3	11
53	Schizophyllum commune-derived Î²-glucan improves intestinal health demonstrating protective effects against constipation and common metabolic disorders. Applied Biological Chemistry, 2022, 65, .	1.9	10
54	Vertical and Horizontal Distribution of Bacterial Communities in Alluvial Groundwater of the Nakdong River Bank. Geomicrobiology Journal, 2018, 35, 74-80.	2.0	9

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55	Survey of Bacterial Phylogenetic Diversity During the Glacier Melting Season in an Arctic Fjord. Microbial Ecology, 2021, 81, 579-591.	2.8	9
56	Tetracycline-resistant bacteria and ribosomal protection protein genes in soils from selected agricultural fields and livestock farms. Applied Biological Chemistry, 2021, 64, .	1.9	9
57	Cupriavidus sp. strain Ni-2 resistant to high concentration of nickel and its genes responsible for the tolerance by genome comparison. Archives of Microbiology, 2019, 201, 1323-1331.	2.2	8
58	Comparison of Fecal Microbial Communities between White and Black Pigs. Journal of Applied Biological Chemistry, 2015, 58, 369-375.	0.4	8
59	Dynamic changes in the population structure ofEscherichia coliin the Yeongsan River basin of South Korea. FEMS Microbiology Ecology, 2015, 91, fiv127.	2.7	6
60	Comparison of de-novo assembly tools for plasmid metagenome analysis. Genes and Genomics, 2019, 41, 1077-1083.	1.4	6
61	In-situ microbial colonization and its potential contribution on biofilm formation in subsurface sediments. Journal of Applied Biological Chemistry, 2019, 62, 51-56.	0.4	6
62	Anti-viral activity of blue chanterelle (Polyozellus multiplex) that inhibits Î±-glucosidase. Food Science and Biotechnology, 2013, 22, 747-750.	2.6	5
63	Seasonal Mixing-Driven System in Estuarineâ€"Coastal Zone Triggers an Ecological Shift in Bacterial Assemblages Involved in Phytoplankton-Derived DMSP Degradation. Microbial Ecology, 2020, 79, 12-20.	2.8	5
64	Effect of mushroom (Schizophyllum spp.) derived Î²-glucan on low-fiber diet induced gut dysbiosis. Journal of Applied Biological Chemistry, 2019, 62, 211-217.	0.4	5
65	Metagenomic investigation of the seasonal distribution of bacterial community and antibiotic-resistant genes in Day River Downstream, Ninh Binh, Vietnam. Applied Biological Chemistry, 2022, 65, .	1.9	5
66	Comparison of the Gut Microbiota of Jeju and Thoroughbred Horses in Korea. Veterinary Sciences, 2021, 8, 81.	1.7	4
67	High genetic diversity ofVibrio parahaemolyticusisolated from tidal water and mud of southern coast of South Korea. FEMS Microbiology Ecology, 2019, 95, .	2.7	3
68	Investigation of microbial communities in water dispensers. Applied Biological Chemistry, 2017, 60, 667-672.	1.9	2
69	In vitro investigation of food effects on human gut microbiota. Journal of Applied Biological Chemistry, 2021, 64, 75-81.	0.4	2
70	Investigation of MiSeq reproducibility on biomarker identification. Applied Biological Chemistry, 2019, 62, .	1.9	2
71	Comparison of gut microbiome between low fiber and high fat diet fed mice. Journal of Applied Biological Chemistry, 2018, 61, 165-172.	0.4	2
72	Differences in swine gut microbiota in southern region of Republic of Korea. Korean Journal of Microbiology, 2015, 51, 81-85.	0.2	2

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73	Dietary Intervention Induced Distinct Repercussions in Response to the Individual Gut Microbiota as Demonstrated by the In Vitro Fecal Fermentation of Beef. Applied Sciences (Switzerland), 2021, 11, 6841.	2.5	1
74	A hybrid DNA sequencing approach is needed to properly link genotype to phenotype in multi-drug resistant bacteria. Environmental Pollution, 2021, 289, 117856.	7.5	1
75	Effects of fermented coffee on human gut microbiota. Journal of Applied Biological Chemistry, 2020, 63, 83-87.	0.4	1
76	Dichloromethane fraction of Citrus grandis induces apoptosis in a human colorectal cancer cell lines via apoptotic signaling pathway. Journal of Functional Foods, 2022, 88, 104903.	3.4	1
77	Use of Pyrosequencing for Characterizing Microbial Community at Phylum Level in Yeongsan River Watershed during Early Summer. Korean Journal of Microbiology, 2013, 49, 150-155.	0.2	0
78	Toward The Fecal Microbiome Project. Korean Journal of Microbiology, 2013, 49, 415-418.	0.2	0
79	Comparison Analysis of Swine Gut Microbiota between Landrace and Yorkshire at Various Growth Stages. Korean Journal of Microbiology, 2014, 50, 308-312.	0.2	0
80	Metagenomics analysis of methane metabolisms in manure fertilized paddy soil. Korean Journal of Microbiology, 2016, 52, 157-165.	0.2	0
81	Freeze-drying feces reduces illumina-derived artefacts on 16S rRNA-based microbial community analysis. Journal of Applied Biological Chemistry, 2016, 59, 299-304.	0.4	0
82	Isolation of salt-tolerant bacteria from rhizosphere and rhizoplane of halophyte plantSuaeda japonicain GochangÂ·Buan tidal flat. Journal of Applied Biological Chemistry, 2017, 60, 125-131.	0.4	0
83	Comparison of mice gut microbiota before and after fasting for a day. Journal of Applied Biological Chemistry, 2019, 62, 333-337.	0.4	0
84	Differences in fecal and cecal microbiota in C57BL/6J mice fed normal and high fat diet. Journal of Applied Biological Chemistry, 2021, 64, 399-405.	0.4	0
85	Improvement effect of cooked soybeans on HFD-deteriorated large intestinal health in rat model. Journal of Applied Biological Chemistry, 2021, 64, 383-389.	0.4	0