

Tatsuya Unno

List of Publications by Year in descending order

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85
papers

3,087
citations

159358

30
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168136

53
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87
all docs

87
docs citations

87
times ranked

4901
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Sex Differences in Gut Microbiota. <i>World Journal of Men's Health</i> , 2020, 38, 48. | 1.7 | 340 |
| 2 | High-throughput DNA sequence analysis reveals stable engraftment of gut microbiota following transplantation of previously frozen fecal bacteria. <i>Gut Microbes</i> , 2013, 4, 125-135. | 4.3 | 262 |
| 3 | Dynamic changes in short- and long-term bacterial composition following fecal microbiota transplantation for recurrent <i>Clostridium difficile</i> infection. <i>Microbiome</i> , 2015, 3, 10. | 4.9 | 218 |
| 4 | Application of Illumina next-generation sequencing to characterize the bacterial community of the Upper Mississippi River. <i>Journal of Applied Microbiology</i> , 2013, 115, 1147-1158. | 1.4 | 209 |
| 5 | Comparative genomics of the core and accessory genomes of 48 <i>Sinorhizobium</i> strains comprising five genospecies. <i>Genome Biology</i> , 2013, 14, R17. | 13.9 | 164 |
| 6 | Prevalence of antibiotic resistance genes from effluent of coastal aquaculture, South Korea. <i>Environmental Pollution</i> , 2018, 233, 1049-1057. | 3.7 | 127 |
| 7 | Use of Barcoded Pyrosequencing and Shared OTUs To Determine Sources of Fecal Bacteria in Watersheds. <i>Environmental Science & Technology</i> , 2010, 44, 7777-7782. | 4.6 | 108 |
| 8 | Species and genus level resolution analysis of gut microbiota in <i>Clostridium difficile</i> patients following fecal microbiota transplantation. <i>Microbiome</i> , 2014, 2, 13. | 4.9 | 98 |
| 9 | Current understanding of microbiota- and dietary-therapies for treating inflammatory bowel disease. <i>Journal of Microbiology</i> , 2018, 56, 189-198. | 1.3 | 97 |
| 10 | Laminarin favorably modulates gut microbiota in mice fed a high-fat diet. <i>Food and Function</i> , 2016, 7, 4193-4201. | 2.1 | 74 |
| 11 | Metagenomic analysis reveals the prevalence and persistence of antibiotic- and heavy metal-resistance genes in wastewater treatment plant. <i>Journal of Microbiology</i> , 2018, 56, 408-415. | 1.3 | 69 |
| 12 | Analysis of swine fecal microbiota at various growth stages. <i>Archives of Microbiology</i> , 2015, 197, 753-759. | 1.0 | 68 |
| 13 | Changes in human gut microbiota influenced by probiotic fermented milk ingestion. <i>Journal of Dairy Science</i> , 2015, 98, 3568-3576. | 1.4 | 60 |
| 14 | Baicalein Suppresses Stem Cell-Like Characteristics in Radio- and Chemoresistant MDA-MB-231 Human Breast Cancer Cells through Up-Regulation of IFIT2. <i>Nutrients</i> , 2019, 11, 624. | 1.7 | 57 |
| 15 | Fecal pollution: new trends and challenges in microbial source tracking using next-generation sequencing. <i>Environmental Microbiology</i> , 2018, 20, 3132-3140. | 1.8 | 56 |
| 16 | Higher abundance of core antimicrobial resistant genes in effluent from wastewater treatment plants. <i>Water Research</i> , 2022, 208, 117882. | 5.3 | 51 |
| 17 | Absence of <i>Escherichia coli</i> Phylogenetic Group B2 Strains in Humans and Domesticated Animals from Jeonnam Province, Republic of Korea. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5659-5666. | 1.4 | 46 |
| 18 | The occurrence of virulence traits among high-level aminoglycosides resistant <i>Enterococcus</i> isolates obtained from feces of humans, animals, and birds in South Korea. <i>International Journal of Food Microbiology</i> , 2011, 144, 387-392. | 2.1 | 45 |

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|----|--|-----|-----------|
| 19 | Pathogenic <i>Escherichia coli</i> Strains Producing Extended-Spectrum β -Lactamases in the Yeongsan River Basin of South Korea. <i>Environmental Science & Technology</i> , 2013, 47, 1128-1136. | 4.6 | 42 |
| 20 | Emergence of <i>Klebsiella variicola</i> positive for NDM-9, a variant of New Delhi metallo- β -lactamase, in an urban river in South Korea. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, dkw547. | 1.3 | 42 |
| 21 | Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide. <i>Genes</i> , 2017, 8, 350. | 1.0 | 41 |
| 22 | Influence of seawater intrusion on microbial communities in groundwater. <i>Science of the Total Environment</i> , 2015, 532, 337-343. | 3.9 | 38 |
| 23 | Probiotic <i>Lactobacillus fermentum</i> strain JDFM216 improves cognitive behavior and modulates immune response with gut microbiota. <i>Scientific Reports</i> , 2020, 10, 21701. | 1.6 | 38 |
| 24 | A Korean-Style Balanced Diet Has a Potential Connection with Ruminococcaceae Enterotype and Reduction of Metabolic Syndrome Incidence in Korean Adults. <i>Nutrients</i> , 2021, 13, 495. | 1.7 | 36 |
| 25 | Effects of Antibiotic Growth Promoter and Characterization of Ecological Succession in Swine Gut Microbiota. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 431-438. | 0.9 | 36 |
| 26 | Effects of the Antibiotics Growth Promoter Tylosin on Swine Gut Microbiota. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 876-882. | 0.9 | 35 |
| 27 | Integrated Online System for a Pyrosequencing-Based Microbial Source Tracking Method that Targets Bacteroidetes 16S rDNA. <i>Environmental Science & Technology</i> , 2012, 46, 93-98. | 4.6 | 34 |
| 28 | Nobiletin Enhances Chemosensitivity to Adriamycin through Modulation of the Akt/GSK3 β /Catenin/MYCN/MRP1 Signaling Pathway in A549 Human Non-Small-Cell Lung Cancer Cells. <i>Nutrients</i> , 2018, 10, 1829. | 1.7 | 34 |
| 29 | Metabolic Characterization of Newly Isolated <i>Pseudomonas nitroreducens</i> Jin1 Growing on Eugenol and Isoeugenol. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8556-8561. | 2.4 | 33 |
| 30 | Metagenomic exploration of antibiotic resistome in treated wastewater effluents and their receiving water. <i>Science of the Total Environment</i> , 2021, 765, 142755. | 3.9 | 33 |
| 31 | Dietary intervention using (1,3)/(1,6)- β -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model. <i>European Journal of Nutrition</i> , 2020, 59, 2617-2629. | 1.8 | 32 |
| 32 | Fish farm effluents as a source of antibiotic resistance gene dissemination on Jeju Island, South Korea. <i>Environmental Pollution</i> , 2021, 276, 116764. | 3.7 | 31 |
| 33 | <i>Codium fragile</i> Ameliorates High-Fat Diet-Induced Metabolism by Modulating the Gut Microbiota in Mice. <i>Nutrients</i> , 2020, 12, 1848. | 1.7 | 27 |
| 34 | Anti-Inflammatory Properties and Gut Microbiota Modulation of <i>Porphyra tenera</i> Extracts in Dextran Sodium Sulfate-Induced Colitis in Mice. <i>Antioxidants</i> , 2020, 9, 988. | 2.2 | 26 |
| 35 | High diversity and abundance of antibiotic-resistant <i>Escherichia coli</i> isolated from humans and farm animal hosts in Jeonnam Province, South Korea. <i>Science of the Total Environment</i> , 2010, 408, 3499-3506. | 3.9 | 22 |
| 36 | Intervention with kimchi microbial community ameliorates obesity by regulating gut microbiota. <i>Journal of Microbiology</i> , 2020, 58, 859-867. | 1.3 | 19 |

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|----|---|-----|-----------|
| 37 | Effects of β -glucan, probiotics, and synbiotics on obesity-associated colitis and hepatic manifestations in C57BL/6J mice. <i>European Journal of Nutrition</i> , 2022, 61, 793-807. | 1.8 | 19 |
| 38 | Seasonal and Genotypic Changes in <i>Escherichia coli</i> Phylogenetic Groups in the Yeongsan River Basin of South Korea. <i>PLoS ONE</i> , 2014, 9, e100585. | 1.1 | 19 |
| 39 | Isoeugenol monooxygenase and its putative regulatory gene are located in the eugenol metabolic gene cluster in <i>Pseudomonas nitroreducens</i> Jin1. <i>Archives of Microbiology</i> , 2010, 192, 201-209. | 1.0 | 18 |
| 40 | Bacterial Communities in Ground-and Surface Water Mixing Zone Induced by Seasonal Heavy Extraction of Groundwater. <i>Geomicrobiology Journal</i> , 2018, 35, 768-774. | 1.0 | 17 |
| 41 | Prevalence of season-specific <i>Escherichia coli</i> strains in the Yeongsan River Basin of South Korea. <i>Environmental Microbiology</i> , 2011, 13, 3103-3113. | 1.8 | 15 |
| 42 | Genotypic and Phenotypic Trends in Antibiotic Resistant Pathogenic <i>Escherichia coli</i> Isolated from Humans and Farm Animals in South Korea. <i>Microbes and Environments</i> , 2011, 26, 198-204. | 0.7 | 14 |
| 43 | Microbial source tracking using metagenomics and other new technologies. <i>Journal of Microbiology</i> , 2021, 59, 259-269. | 1.3 | 13 |
| 44 | Impacts of Initial Fertilizers and Irrigation Systems on Paddy Methanogens and Methane Emission. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1. | 1.1 | 12 |
| 45 | <i>Dendropanax morbifera</i> Leaf Extracts Improved Alcohol Liver Injury in Association with Changes in the Gut Microbiota of Rats. <i>Antioxidants</i> , 2020, 9, 911. | 2.2 | 12 |
| 46 | Effects of digested Cheonggukjang on human microbiota assessed by in vitro fecal fermentation. <i>Journal of Microbiology</i> , 2021, 59, 217-227. | 1.3 | 12 |
| 47 | Comparison of the Fecal Microbiota of Horses with Intestinal Disease and Their Healthy Counterparts. <i>Veterinary Sciences</i> , 2021, 8, 113. | 0.6 | 12 |
| 48 | Application of laser-induced breakdown spectroscopy to Arctic sediments in the Chukchi Sea. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 146, 84-92. | 1.5 | 11 |
| 49 | Korean Traditional Medicine (Jakyakgamcho-tang) Ameliorates Colitis by Regulating Gut Microbiota. <i>Metabolites</i> , 2019, 9, 226. | 1.3 | 11 |
| 50 | Synbiotic supplementation with prebiotic <i>Schizophyllum commune</i> derived β -(1,3/1,6)-glucan and probiotic concoction benefits gut microbiota and its associated metabolic activities. <i>Applied Biological Chemistry</i> , 2021, 64, . | 0.7 | 11 |
| 51 | Differences in the Effects of Calcium and Magnesium Ions on the Anammox Granular Properties to Alleviate Salinity Stress. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 19. | 1.3 | 11 |
| 52 | Dietary regulations for microbiota dysbiosis among post-menopausal women with type 2 diabetes. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 9961-9976. | 5.4 | 11 |
| 53 | <i>Schizophyllum commune</i> -derived β -glucan improves intestinal health demonstrating protective effects against constipation and common metabolic disorders. <i>Applied Biological Chemistry</i> , 2022, 65, . | 0.7 | 10 |
| 54 | Vertical and Horizontal Distribution of Bacterial Communities in Alluvial Groundwater of the Nakdong River Bank. <i>Geomicrobiology Journal</i> , 2018, 35, 74-80. | 1.0 | 9 |

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|----|---|-----|-----------|
| 55 | Survey of Bacterial Phylogenetic Diversity During the Glacier Melting Season in an Arctic Fjord. <i>Microbial Ecology</i> , 2021, 81, 579-591. | 1.4 | 9 |
| 56 | Tetracycline-resistant bacteria and ribosomal protection protein genes in soils from selected agricultural fields and livestock farms. <i>Applied Biological Chemistry</i> , 2021, 64, . | 0.7 | 9 |
| 57 | Cupriavidus sp. strain Ni-2 resistant to high concentration of nickel and its genes responsible for the tolerance by genome comparison. <i>Archives of Microbiology</i> , 2019, 201, 1323-1331. | 1.0 | 8 |
| 58 | Comparison of Fecal Microbial Communities between White and Black Pigs. <i>Journal of Applied Biological Chemistry</i> , 2015, 58, 369-375. | 0.2 | 8 |
| 59 | Dynamic changes in the population structure of <i>Escherichia coli</i> in the Yeongsan River basin of South Korea. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv127. | 1.3 | 6 |
| 60 | Comparison of de-novo assembly tools for plasmid metagenome analysis. <i>Genes and Genomics</i> , 2019, 41, 1077-1083. | 0.5 | 6 |
| 61 | In-situ microbial colonization and its potential contribution on biofilm formation in subsurface sediments. <i>Journal of Applied Biological Chemistry</i> , 2019, 62, 51-56. | 0.2 | 6 |
| 62 | Anti-viral activity of blue chanterelle (<i>Polyozellus multiplex</i>) that inhibits β -glucosidase. <i>Food Science and Biotechnology</i> , 2013, 22, 747-750. | 1.2 | 5 |
| 63 | Seasonal Mixing-Driven System in Estuarine Coastal Zone Triggers an Ecological Shift in Bacterial Assemblages Involved in Phytoplankton-Derived DMSP Degradation. <i>Microbial Ecology</i> , 2020, 79, 12-20. | 1.4 | 5 |
| 64 | Effect of mushroom (<i>Schizophyllum</i> spp.) derived β -glucan on low-fiber diet induced gut dysbiosis. <i>Journal of Applied Biological Chemistry</i> , 2019, 62, 211-217. | 0.2 | 5 |
| 65 | Metagenomic investigation of the seasonal distribution of bacterial community and antibiotic-resistant genes in Day River Downstream, Ninh Binh, Vietnam. <i>Applied Biological Chemistry</i> , 2022, 65, . | 0.7 | 5 |
| 66 | Comparison of the Gut Microbiota of Jeju and Thoroughbred Horses in Korea. <i>Veterinary Sciences</i> , 2021, 8, 81. | 0.6 | 4 |
| 67 | High genetic diversity of <i>Vibrio parahaemolyticus</i> isolated from tidal water and mud of southern coast of South Korea. <i>FEMS Microbiology Ecology</i> , 2019, 95, . | 1.3 | 3 |
| 68 | Investigation of microbial communities in water dispensers. <i>Applied Biological Chemistry</i> , 2017, 60, 667-672. | 0.7 | 2 |
| 69 | <i>In vitro</i> investigation of food effects on human gut microbiota. <i>Journal of Applied Biological Chemistry</i> , 2021, 64, 75-81. | 0.2 | 2 |
| 70 | Investigation of MiSeq reproducibility on biomarker identification. <i>Applied Biological Chemistry</i> , 2019, 62, . | 0.7 | 2 |
| 71 | Comparison of gut microbiome between low fiber and high fat diet fed mice. <i>Journal of Applied Biological Chemistry</i> , 2018, 61, 165-172. | 0.2 | 2 |
| 72 | Differences in swine gut microbiota in southern region of Republic of Korea. <i>Korean Journal of Microbiology</i> , 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. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6841. | 1.3 | 1 |
| 74 | A hybrid DNA sequencing approach is needed to properly link genotype to phenotype in multi-drug resistant bacteria. <i>Environmental Pollution</i> , 2021, 289, 117856. | 3.7 | 1 |
| 75 | Effects of fermented coffee on human gut microbiota. <i>Journal of Applied Biological Chemistry</i> , 2020, 63, 83-87. | 0.2 | 1 |
| 76 | Dichloromethane fraction of <i>Citrus grandis</i> induces apoptosis in a human colorectal cancer cell lines via apoptotic signaling pathway. <i>Journal of Functional Foods</i> , 2022, 88, 104903. | 1.6 | 1 |
| 77 | Use of Pyrosequencing for Characterizing Microbial Community at Phylum Level in Yeongsan River Watershed during Early Summer. <i>Korean Journal of Microbiology</i> , 2013, 49, 150-155. | 0.2 | 0 |
| 78 | Toward The Fecal Microbiome Project. <i>Korean Journal of Microbiology</i> , 2013, 49, 415-418. | 0.2 | 0 |
| 79 | Comparison Analysis of Swine Gut Microbiota between Landrace and Yorkshire at Various Growth Stages. <i>Korean Journal of Microbiology</i> , 2014, 50, 308-312. | 0.2 | 0 |
| 80 | Metagenomics analysis of methane metabolisms in manure fertilized paddy soil. <i>Korean Journal of Microbiology</i> , 2016, 52, 157-165. | 0.2 | 0 |
| 81 | Freeze-drying feces reduces illumina-derived artefacts on 16S rRNA-based microbial community analysis. <i>Journal of Applied Biological Chemistry</i> , 2016, 59, 299-304. | 0.2 | 0 |
| 82 | Isolation of salt-tolerant bacteria from rhizosphere and rhizoplane of halophyte plant <i>Suaeda japonica</i> in Gochang-Buan tidal flat. <i>Journal of Applied Biological Chemistry</i> , 2017, 60, 125-131. | 0.2 | 0 |
| 83 | Comparison of mice gut microbiota before and after fasting for a day. <i>Journal of Applied Biological Chemistry</i> , 2019, 62, 333-337. | 0.2 | 0 |
| 84 | Differences in fecal and cecal microbiota in C57BL/6J mice fed normal and high fat diet. <i>Journal of Applied Biological Chemistry</i> , 2021, 64, 399-405. | 0.2 | 0 |
| 85 | Improvement effect of cooked soybeans on HFD-deteriorated large intestinal health in rat model. <i>Journal of Applied Biological Chemistry</i> , 2021, 64, 383-389. | 0.2 | 0 |