Akihito Endo

List of Publications by Year in descending order

89 papers	4,072 citations	126708 33 h-index	133063 59 g-index
102 all docs	102 docs citations	102 times ranked	3437 citing authors

#	Article	IF	Citations
1	The International Scientific Association of Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of postbiotics. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 649-667.	8.2	701
2	Fermented foods in a global age: East meets West. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 184-217.	5.9	312
3	Isolation and characterization of fructophilic lactic acid bacteria from fructose-rich niches. Systematic and Applied Microbiology, 2009, 32, 593-600.	1.2	164
4	Honeybees and beehives are rich sources for fructophilic lactic acid bacteria. Systematic and Applied Microbiology, 2013, 36, 444-448.	1.2	162
5	Reclassification of the genus Leuconostoc and proposals of Fructobacillus fructosus gen. nov., comb. nov., Fructobacillus durionis comb. nov., Fructobacillus ficulneus comb. nov. and Fructobacillus pseudoficulneus comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2195-2205.	0.8	146
6	Safety of Novel Microbes for Human Consumption: Practical Examples of Assessment in the European Union. Frontiers in Microbiology, 2017, 8, 1725.	1.5	125
7	Microbiota and probiotics in canine and feline welfare. Anaerobe, 2015, 34, 14-23.	1.0	105
8	Compositional Development of Bifidobacterium and Lactobacillus Microbiota Is Linked with Crying and Fussing in Early Infancy. PLoS ONE, 2012, 7, e32495.	1.1	90
9	Recommended minimal standards for description of new taxa of the genera Bifidobacterium, Lactobacillus and related genera. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1434-1451.	0.8	90
10	Monitoring the lactic acid bacterial diversity during shochu fermentation by PCR-denaturing gradient gel electrophoresis. Journal of Bioscience and Bioengineering, 2005, 99, 216-221.	1.1	81
11	Comparison of homo- and heterofermentative lactic acid bacteria for implementation of fermented wheat bran in bread. Food Microbiology, 2015, 49, 211-219.	2.1	81
12	Characterization and emended description of Lactobacillus kunkeei as a fructophilic lactic acid bacterium. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 500-504.	0.8	80
13	Fructophilic Lactic Acid Bacteria, a Unique Group of Fructose-Fermenting Microbes. Applied and Environmental Microbiology, 2018, 84, .	1.4	79
14	Lactobacillus satsumensis sp. nov., isolated from mashes of shochu, a traditional Japanese distilled spirit made from fermented rice and other starchy materials. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 83-85.	0.8	78
15	Fructophilic Lactobacillus kunkeei and Lactobacillus brevis Isolated from Fresh Flowers, Bees and Bee-hives. Current Microbiology, 2012, 65, 507-515.	1.0	78
16	Oenococcus kitaharae sp. nov., a non-acidophilic and non-malolactic-fermenting oenococcus isolated from a composting distilled shochu residue. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2345-2348.	0.8	72
17	Lactobacillus florum sp. nov., a fructophilic species isolated from flowers. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2478-2482.	0.8	70
18	Fructobacillus tropaeoli sp. nov., a fructophilic lactic acid bacterium isolated from a flower. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 898-902.	0.8	70

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19	Bifidobacterium reuteri sp. nov., Bifidobacterium callitrichos sp. nov., Bifidobacterium saguini sp. nov., Bifidobacterium stellenboschense sp. nov. and Bifidobacterium biavatii sp. nov. isolated from faeces of common marmoset (Callithrix jacchus) and red-handed tamarin (Saguinus midas). Systematic and Applied Microbiology, 2012, 35, 92-97.	1.2	69
20	The ability of human intestinal anaerobes to metabolize different oligosaccharides: Novel means for microbiota modulation?. Anaerobe, 2018, 51, 110-119.	1.0	55
21	Comparative genomics of Fructobacillus spp. and Leuconostoc spp. reveals niche-specific evolution of Fructobacillus spp.. BMC Genomics, 2015, 16, 1117.	1.2	53
22	Genomic characterization of a fructophilic bee symbiont Lactobacillus kunkeei reveals its niche-specific adaptation. Systematic and Applied Microbiology, 2016, 39, 516-526.	1.2	51
23	Lactobacillus farraginis sp. nov. and Lactobacillus parafarraginis sp. nov., heterofermentative lactobacilli isolated from a compost of distilled shochu residue. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 708-712.	0.8	49
24	Photorhabdus heterorhabditis sp. nov., a symbiont of the entomopathogenic nematode Heterorhabditis zealandica. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1540-1545.	0.8	49
25	Variations in prebiotic oligosaccharide fermentation by intestinal lactic acid bacteria. International Journal of Food Sciences and Nutrition, 2016, 67, 125-132.	1.3	48
26	Lactobacillus paragasseri sp. nov., a sister taxon of Lactobacillus gasseri, based on whole-genome sequence analyses. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 3512-3517.	0.8	43
27	Diversity of Lactobacillus and Bifidobacterium in feces of herbivores, omnivores and carnivores. Anaerobe, 2010, 16, 590-596.	1.0	42
28	Description of Xenorhabdus khoisanae sp. nov., the symbiont of the entomopathogenic nematode Steinernema khoisanae. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3220-3224.	0.8	42
29	An Alteration in the Cecal Microbiota Composition by Feeding of 1-Kestose Results in a Marked Increase in the Cecal Butyrate Content in Rats. PLoS ONE, 2016, 11, e0166850.	1.1	40
30	A cross-sectional comparative study of gut bacterial community of Indian and Finnish children. Scientific Reports, 2017, 7, 10555.	1.6	37
31	Fructophilic Characteristics of Fructobacillus spp. may be due to the Absence of an Alcohol/Acetaldehyde Dehydrogenase Gene (adhE). Current Microbiology, 2014, 68, 531-535.	1.0	36
32	Long-term monitoring of the human intestinal microbiota from the 2nd week to 13 years of age. Anaerobe, 2014, 28, 149-156.	1.0	36
33	Genome-based, phenotypic and chemotaxonomic classification of Faecalibacterium strains: proposal of three novel species Faecalibacterium duncaniae sp. nov., Faecalibacterium hattorii sp. nov. and Faecalibacterium gallinarum sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	0.8	36
34	Fructophilic lactic acid bacteria inhabit fructose-rich niches in nature. Microbial Ecology in Health and Disease, 2012, 23, .	3.8	35
35	Molecular profiling of Lactobacillus, Streptococcus, and Bifidobacterium species in feces of active racehorses. Journal of General and Applied Microbiology, 2007, 53, 191-200.	0.4	33
36	Lactobacillus equigenerosi sp. nov., a coccoid species isolated from faeces of thoroughbred racehorses. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 914-918.	0.8	33

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37	Early Gut Colonization With Lactobacilli and Staphylococcus in Infants. Journal of Pediatric Gastroenterology and Nutrition, 2016, 62, 80-86.	0.9	32
38	Kunkecin A, a New Nisin Variant Bacteriocin Produced by the Fructophilic Lactic Acid Bacterium, Apilactobacillus kunkeei FF30-6 Isolated From Honey Bees. Frontiers in Microbiology, 2020, 11, 571903.	1.5	32
39	Lactobacillus hayakitensis sp. nov., isolated from intestines of healthy thoroughbreds. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2836-2839.	0.8	30
40	In Vitro Evaluation of Different Prebiotics on the Modulation of Gut Microbiota Composition and Function in Morbid Obese and Normal-Weight Subjects. International Journal of Molecular Sciences, 2020, 21, 906.	1.8	29
41	Reply to: Postbiotics â€" when simplification fails to clarify. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 827-828.	8.2	24
42	Kestose supplementation exerts bifidogenic effect within fecal microbiota and increases fecal butyrate concentration in dogs. Journal of Veterinary Medical Science, 2020, 82, 1-8.	0.3	22
43	Lactobacillus composti sp. nov., a lactic acid bacterium isolated from a compost of distilled shochu residue. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 870-872.	0.8	21
44	Lactobacillus and Bifidobacterium Diversity in Horse Feces, Revealed by PCR-DGGE. Current Microbiology, 2009, 59, 651-655.	1.0	20
45	Lactobacillus faecis sp. nov., isolated from animal faeces. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4502-4507.	0.8	20
46	Introduction of bifunctional alcohol/acetaldehyde dehydrogenase gene (adhE) in Fructobacillus fructosus settled its fructophilic characteristics. Research in Microbiology, 2019, 170, 35-42.	1.0	20
47	Characterization of fructooligosaccharide metabolism and fructooligosaccharide-degrading enzymes in human commensal butyrate producers. Gut Microbes, 2021, 13, 1-20.	4.3	20
48	Gut Microbiome Characteristics in feral and domesticated horses from different geographic locations. Communications Biology, 2022, 5, 172.	2.0	20
49	Unique niche-specific adaptation of fructophilic lactic acid bacteria and proposal of three Apilactobacillus species as novel members of the group. BMC Microbiology, 2021, 21, 41.	1.3	19
50	Food matrices and cell conditions influence survival of Lactobacillus rhamnosus GG under heat stresses and during storage. International Journal of Food Microbiology, 2014, 174, 110-112.	2.1	17
51	<i>Lactobacillus apinorum</i> belongs to the fructophilic lactic acid bacteria. Bioscience of Microbiota, Food and Health, 2017, 36, 147-149.	0.8	17
52	Host-Diet Effect on the Metabolism of Bifidobacterium. Genes, 2021, 12, 609.	1.0	17
53	Characterization of fructooligosaccharide-degrading enzymes in human commensal Bifidobacterium longum and Anaerostipes caccae. Biochemical and Biophysical Research Communications, 2019, 518, 294-298.	1.0	16
54	Lactobacillus durianis Leisner et al. 2002 is a later heterotypic synonym of Lactobacillus vaccinostercus Kozaki and Okada 1983. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1721-1724.	0.8	15

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55	Distinctive Intestinal Lactobacillus Communities in 6â€Monthâ€Old Infants From Rural Malawi and Southwestern Finland. Journal of Pediatric Gastroenterology and Nutrition, 2015, 61, 641-648.	0.9	12
56	Isolation and Identification of Lactic Acid Bacteria from Environmental Samples. Methods in Molecular Biology, 2019, 1887, 3-13.	0.4	11
57	Impact of kestose supplementation on the healthy adult microbiota in inÂvitro fecal batch cultures. Anaerobe, 2020, 61, 102076.	1.0	11
58	Supplementation of 1-Kestose Modulates the Gut Microbiota Composition to Ameliorate Glucose Metabolism in Obesity-Prone Hosts. Nutrients, 2021, 13, 2983.	1.7	11
59	Evaluation of strain-specific primers for identification ofLactobacillus rhamnosusGG. FEMS Microbiology Letters, 2012, 337, 120-125.	0.7	9
60	Species- and Age/Generation-Dependent Adherence of Bifidobacterium bifidum to Human Intestinal Mucus In Vitro. Microorganisms, 2021, 9, 542.	1.6	9
61	The Family Leuconostocaceae. , 2014, , 215-240.		9
62	Revealing the genomic differences between two subgroups in <i>Lactobacillus gasseri</i>. Bioscience of Microbiota, Food and Health, 2017, 36, 155-159.	0.8	8
63	Comparative analysis of probiotic bacteria based on a new definition of core genome. Journal of Bioinformatics and Computational Biology, 2018, 16, 1840012.	0.3	8
64	In vitro and in silico characterisation of Lactobacillus paraplantarum D2-1, a starter culture for soymilk fermentation. International Journal of Food Sciences and Nutrition, 2018, 69, 857-869.	1.3	8
65	Lactic Acid Bacteria: Leuconostoc spp.. , 2022, , 226-232.		8
66	1-Kestose supplementation mitigates the progressive deterioration of glucose metabolism in type 2 diabetes OLETF rats. Scientific Reports, 2020, 10, 15674.	1.6	8
67	Possible clinical outcomes using early enteral nutrition in individuals with allogeneic hematopoietic stem cell transplantation: A single-center retrospective study. Nutrition, 2021, 83, 111093.	1.1	8
68	In vitro Selection of Probiotics for Microbiota Modulation in Normal-Weight and Severely Obese Individuals: Focus on Gas Production and Interaction With Intestinal Epithelial Cells. Frontiers in Microbiology, 2021, 12, 630572.	1.5	8
69	Pseudofructophilic Leuconostoc citreum Strain F192-5, Isolated from Satsuma Mandarin Peel. Applied and Environmental Microbiology, 2019, 85, .	1.4	7
70	Microbial Diversity Profiling of Polysaccharide (gum)-Producing Bacteria Isolated from a South African Sugarcane Processing Factory. Current Microbiology, 2019, 76, 527-535.	1.0	7
71	Phylogenetic analysis of Leuconostoc and Lactobacillus species isolated from sugarcane processing streams. MicrobiologyOpen, 2020, 9, e1065.	1.2	7
72	Oligosaccharide Metabolism and Lipoteichoic Acid Production in Lactobacillus gasseri and Lactobacillus paragasseri. Microorganisms, 2021, 9, 1590.	1.6	7

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73	Viable fructophilic lactic acid bacteria present in honeybee-based food products. FEMS Microbiology Letters, 2021, , .	0.7	7
74	16S rRNA gene sequence diversity in Faecalibacterium prausnitzii-complex taxa has marked impacts on quantitative analysis. FEMS Microbiology Ecology, 2022, 98, .	1.3	7
75	Extracellular fructooligosaccharide degradation in Anaerostipes hadrus for co-metabolism with non-fructooligosaccharide utilizers. Biochemical and Biophysical Research Communications, 2022, 613, 81-86.	1.0	7
76	Characterisation of the bacterial community structures of sunki, a traditional unsalted pickle of fermented turnip leaves. Journal of Bioscience and Bioengineering, 2020, 129, 541-551.	1.1	6
77	Characterization of the microbiota and chemical properties of pork loins during dry aging. MicrobiologyOpen, 2021, 10, e1157.	1.2	6
78	Detection and analysis of Lactobacillus paracasei penicillin-binding proteins revealed the presence of cholate-sensitive penicillin-binding protein 3 and an elongated cell shape in a cholate-sensitive strain. Bioscience of Microbiota, Food and Health, 2017, 36, 65-72.	0.8	5
79	Phylogenetic Analyses of pheS, dnaA and atpA Genes for Identification of Weissella confusa and Weissella cibaria Isolated from a South African Sugarcane Processing Factory. Current Microbiology, 2019, 76, 1138-1146.	1.0	5
80	Niche-specific adaptation of Lactobacillus helveticus strains isolated from malt whisky and dairy fermentations. Microbial Genomics, 2021, 7, .	1.0	5
81	Diversity of lactic acid bacteria in fermented products. Japanese Journal of Lactic Acid Bacteria, 2011, 22, 87-92.	0.1	4
82	PCR-based screening, isolation, and partial characterization of motile lactobacilli from various animal feces. BMC Microbiology, 2020, 20, 142.	1.3	4
83	Genome Sequences of Three Strains of Lactobacillus paracasei of Different Origins and with Different Cholate Sensitivities. Genome Announcements, 2015, 3, .	0.8	3
84	Ribotypeâ€dependent growth inhibition and promotion by erythritol in Cutibacterium acnes. Journal of Cosmetic Dermatology, 2022, 21, 5049-5057.	0.8	3
85	Intracellular localization of sirtuin and cell length analysis of Lactobacillus paracasei suggest possible role of sirtuin in cell division and cell shape regulation. Bioscience, Biotechnology and Biochemistry, 2018, 82, 916-925.	0.6	2
86	Fructophilic Lactic Acid Bacteria. , 2019, , 57-63.		1
87	Lactic Acid Bacteria Inhabited in Brewed Products. Journal of the Brewing Society of Japan, 2012, 107, 92-99.	0.1	0
88	Isolation, Identification and Characterisation of Potential New Probiotics. , 2015, , 3-25.		0
89	Physiological Functions of Kestose and Practical Approaches for Its Commercial Application. Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science, 2020, 73, 123-131.	0.2	0