

# Yukihiro Tashiro

## List of Publications by Year in descending order

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71  
papers

3,896  
citations

172207

29  
h-index

123241

61  
g-index

71  
all docs

71  
docs citations

71  
times ranked

3379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in lactic acid production by microbial fermentation processes. <i>Biotechnology Advances</i> , 2013, 31, 877-902.	6.0	758
2	Lactic acid production from lignocellulose-derived sugars using lactic acid bacteria: Overview and limits. <i>Journal of Biotechnology</i> , 2011, 156, 286-301.	1.9	447
3	Fermentative production of lactic acid from renewable materials: Recent achievements, prospects, and limits. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 10-18.	1.1	234
4	High butanol production by <i>Clostridium saccharoperbutylacetonicum</i> N1-4 in fed-batch culture with pH-Stat continuous butyric acid and glucose feeding method. <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 263-268.	1.1	178
5	Recent advances to improve fermentative butanol production: Genetic engineering and fermentation technology. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 1-9.	1.1	175
6	High production of acetone-butanol-ethanol with high cell density culture by cell-recycling and bleeding. <i>Journal of Biotechnology</i> , 2005, 120, 197-206.	1.9	124
7	Kinetic modeling and sensitivity analysis of acetone-butanol-ethanol production. <i>Journal of Biotechnology</i> , 2007, 131, 45-56.	1.9	118
8	Novel high-efficient butanol production from butyrate by non-growing <i>Clostridium saccharoperbutylacetonicum</i> N1-4 (ATCC 13564) with methyl viologen. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 238-240.	1.1	102
9	Continuous d-lactic acid production by a novel thermotolerant <i>Lactobacillus delbrueckii</i> subsp. <i>lactis</i> QU 41. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1741-1750.	1.7	102
10	Kinetic study of substrate dependency for higher butanol production in acetone-butanol-ethanol fermentation. <i>Process Biochemistry</i> , 2008, 43, 1452-1461.	1.8	78
11	Efficient Homofermentative (+)-Lactic Acid Production from Xylose by a Novel Lactic Acid Bacterium, <i>Enterococcus mundtii</i> QU 25. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1892-1895.	1.4	75
12	Recent advances and future prospects for increased butanol production by acetone-butanol-ethanol fermentation. <i>Engineering in Life Sciences</i> , 2013, 13, 432-445.	2.0	71
13	Continuous butanol fermentation from xylose with high cell density by cell recycling system. <i>Bioresource Technology</i> , 2013, 129, 360-365.	4.8	69
14	Fed-batch fermentation for enhanced lactic acid production from glucose/xylose mixture without carbon catabolite repression. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 153-158.	1.1	66
15	Isolation and characterisation of lactic acid bacterium for effective fermentation of cellobiose into optically pure homo l-(+)-lactic acid. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1039-1049.	1.7	61
16	Efficient conversion of lactic acid to butanol with pH-stat continuous lactic acid and glucose feeding method by <i>Clostridium saccharoperbutylacetonicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1177-1185.	1.7	55
17	Improved lactic acid productivity by an open repeated batch fermentation system using <i>Enterococcus mundtii</i> QU 25. <i>RSC Advances</i> , 2013, 3, 8437.	1.7	54
18	A novel production process for optically pure l-lactic acid from kitchen refuse using a bacterial consortium at high temperatures. <i>Bioresource Technology</i> , 2013, 146, 672-681.	4.8	51

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19	A novel probiotic <i>Bacillus siamensis</i> B44v isolated from Thai pickled vegetables ( <i>Phak-dong</i> ) for potential use as a feed supplement in aquaculture. <i>Journal of General and Applied Microbiology</i> , 2017, 63, 246-253.	0.4	50
20	Feasibility of acetone-butanol ethanol fermentation from eucalyptus hydrolysate without nutrients supplementation. <i>Applied Energy</i> , 2015, 140, 113-119.	5.1	46
21	Membrane-assisted extractive butanol fermentation by <i>Clostridium saccharoperbutylacetonicum</i> N1-4 with 1-dodecanol as the extractant. <i>Bioresource Technology</i> , 2012, 116, 448-452.	4.8	45
22	Efficient butanol production without carbon catabolite repression from mixed sugars with <i>Clostridium saccharoperbutylacetonicum</i> N1-4. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 716-721.	1.1	45
23	New application of <i>Bacillus</i> strains for optically pure l-lactic acid production: general overview and future prospects. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 642-654.	0.6	43
24	l-Lactic acid production from glycerol coupled with acetic acid metabolism by <i>Enterococcus faecalis</i> without carbon loss. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 89-95.	1.1	43
25	<i>Enterococcus faecium</i> QU 50: a novel thermophilic lactic acid bacterium for high-yield l-lactic acid production from xylose. <i>FEMS Microbiology Letters</i> , 2015, 362, 1-7.	0.7	40
26	Highly efficient l-lactic acid production from xylose in cell recycle continuous fermentation using <i>Enterococcus mundtii</i> QU 25. <i>RSC Advances</i> , 2016, 6, 17659-17668.	1.7	40
27	Enhancement of l-lactic acid production via synergism in open co-fermentation of <i>Sophora flavescens</i> residues and food waste. <i>Bioresource Technology</i> , 2017, 225, 159-164.	4.8	40
28	Development of high-speed and highly efficient butanol production systems from butyric acid with high density of living cells of <i>Clostridium saccharoperbutylacetonicum</i> . <i>Journal of Biotechnology</i> , 2012, 157, 605-612.	1.9	34
29	Smart fermentation engineering for butanol production: designed biomass and consolidated bioprocessing systems. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9359-9371.	1.7	32
30	Novel pH control strategy for efficient production of optically active l-lactic acid from kitchen refuse using a mixed culture system. <i>Bioresource Technology</i> , 2016, 216, 52-59.	4.8	31
31	Novel high butanol production from lactic acid and pentose by <i>Clostridium saccharoperbutylacetonicum</i> . <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 526-530.	1.1	30
32	Metabolic analysis of butanol production from acetate in <i>Clostridium saccharoperbutylacetonicum</i> N1-4 using <sup>13</sup> C tracer experiments. <i>RSC Advances</i> , 2015, 5, 8486-8495.	1.7	30
33	l-Lactic acid production by co-fermentation of cellobiose and xylose without carbon catabolite repression using <i>Enterococcus mundtii</i> QU 25. <i>RSC Advances</i> , 2014, 4, 22013-22021.	1.7	29
34	Kinetic modeling and sensitivity analysis of xylose metabolism in <i>Lactococcus lactis</i> IO-1. <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 376-384.	1.1	25
35	Bacterial community shift for monitoring the co-composting of oil palm empty fruit bunch and palm oil mill effluent anaerobic sludge. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 869-877.	1.4	25
36	Unique hyper-thermal composting process in Kagoshima City forms distinct bacterial community structures. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 606-612.	1.1	24

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37	Novel multifunctional plant growth-promoting bacteria in co-compost of palm oil industry waste. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 506-513.	1.1	24
38	Semi-hydrolysis with low enzyme loading leads to highly effective butanol fermentation. <i>Bioresource Technology</i> , 2018, 264, 335-342.	4.8	24
39	High acetone-butanol-ethanol production in pH-stat co-feeding of acetate and glucose. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 176-182.	1.1	23
40	Stillage reflux in food waste ethanol fermentation and its by-product accumulation. <i>Bioresource Technology</i> , 2016, 209, 254-258.	4.8	23
41	Simultaneous production of L-lactic acid with high optical activity and a soil amendment with food waste that demonstrates plant growth promoting activity. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 105-110.	1.1	22
42	Isolation of thermophilic L-lactic acid producing bacteria showing homo-fermentative manner under high aeration condition. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 318-324.	1.1	19
43	Direct starch fermentation to L-lactic acid by a newly isolated thermophilic strain, <i>Bacillus</i> sp. MC-07. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 143-149.	1.4	19
44	Thermotolerant <i>Bacillus kokeshiiformis</i> sp. nov. isolated from marine animal resources compost. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2668-2674.	0.8	18
45	Methane production from food waste via mesophilic anaerobic digestion with ethanol pre-fermentation: Methanogenic pathway and microbial community analyses. <i>Bioresource Technology</i> , 2020, 297, 122450.	4.8	18
46	Mode and Structure of the Bacterial Community on Human Scalp Hair. <i>Microbes and Environments</i> , 2019, 34, 252-259.	0.7	17
47	Pyrosequencing analysis of microbial community and food-borne bacteria on restaurant cutting boards collected in Seri Kembangan, Malaysia, and their correlation with grades of food premises. <i>International Journal of Food Microbiology</i> , 2015, 200, 57-65.	2.1	16
48	Semi-hydrolysate of paper pulp without pretreatment enables a consolidated fermentation system with in situ product recovery for the production of butanol. <i>Bioresource Technology</i> , 2019, 278, 57-65.	4.8	16
49	Discrimination among individuals using terminal restriction fragment length polymorphism profiling of bacteria derived from forensic evidence. <i>International Journal of Legal Medicine</i> , 2015, 129, 425-433.	1.2	15
50	Novel biobutanol fermentation at a large extractant volume ratio using immobilized <i>Clostridium saccharoperbutylacetonicum</i> N1-4. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 750-757.	1.1	15
51	Dynamics of Microbial Populations Responsible for Biodegradation during the Full-Scale Treatment of Palm Oil Mill Effluent. <i>Microbes and Environments</i> , 2019, 34, 121-128.	0.7	15
52	Impact of Land-use Change on Vertical Soil Bacterial Communities in Sabah. <i>Microbial Ecology</i> , 2018, 75, 459-467.	1.4	14
53	Terminal restriction fragment length polymorphism profiling of bacterial flora derived from single human hair shafts can discriminate individuals. <i>Legal Medicine</i> , 2017, 25, 75-82.	0.6	13
54	Dynamic bacterial community changes in the autothermal thermophilic aerobic digestion process with cell lysis activities, shaking and temperature increase. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 196-204.	1.1	12

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55	A Unique Autothermal Thermophilic Aerobic Digestion Process Showing a Dynamic Transition of Physicochemical and Bacterial Characteristics from the Mesophilic to the Thermophilic Phase. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	11
56	Highly efficient continuous acetone-butanol ethanol production from mixed sugars without carbon catabolite repression. <i>Bioresource Technology Reports</i> , 2019, 7, 100185.	1.5	11
57	Reduction in Greenhouse Gas Emission from Seedless Lime Cultivation Using Organic Fertilizer in a Province in Vietnam Mekong Delta Region. <i>Sustainability</i> , 2022, 14, 6102.	1.6	11
58	Non-carbon loss long-term continuous lactic acid production from mixed sugars using thermophilic <i>Enterococcus faecium</i> QU 50. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1673-1683.	1.7	10
59	Enhancement of acetone-butanol-ethanol fermentation from eucalyptus hydrolysate with optimized nutrient supplementation through statistical experimental designs. <i>Renewable Energy</i> , 2017, 113, 580-586.	4.3	9
60	Lab-scale autothermal thermophilic aerobic digestion can maintain and remove nitrogen by controlling shear stress and oxygen supply system. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 293-301.	1.1	7
61	Host factors that shape the bacterial community structure on scalp hair shaft. <i>Scientific Reports</i> , 2021, 11, 17711.	1.6	7
62	<i>Amycolatopsis silviterrae</i> sp. nov., isolated from forest soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1455-1460.	0.8	7
63	Development of a systematic feedback isolation approach for targeted strains from mixed culture systems. <i>Journal of Bioscience and Bioengineering</i> , 2017, 123, 63-70.	1.1	6
64	Meta-fermentation system with a mixed culture for the production of optically pure L-lactic acid can be reconstructed using the minimum isolates with a simplified pH control strategy. <i>Biotechnology Journal</i> , 2021, 16, e2100277.	1.8	6
65	Relationship between the bacterial community structures on human hair and scalp. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2585-2596.	0.6	5
66	Application of autothermal thermophilic aerobic digestion as a sustainable recycling process of organic liquid waste: Recent advances and prospects. <i>Science of the Total Environment</i> , 2022, 828, 154187.	3.9	5
67	Transcriptome profile of carbon catabolite repression in an efficient L-(+)-lactic acid-producing bacterium <i>Enterococcus mundtii</i> QU25 grown in media with combinations of cellobiose, xylose, and glucose. <i>PLoS ONE</i> , 2020, 15, e0242070.	1.1	3
68	Ecological distribution of extremely thermophilic bacteria belonging to the genus <i>Calditerricola</i> using the novel enrichment MPN-PCR method. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 559-563.	1.1	2
69	Biobutanol Production Using High Cell Density Fermentation in a Large Extractant Volume. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 431-437.	1.2	2
70	Clarification of the Dynamic Autothermal Thermophilic Aerobic Digestion Process Using Metagenomic Analysis. <i>Microbiology Spectrum</i> , 2022, , e0056122.	1.2	1
71	Innovative studies on lactic acid bacteria for the new industries. <i>Japanese Journal of Lactic Acid Bacteria</i> , 2014, 25, 155-165.	0.1	0