

Hirofumi Hara

List of Publications by Year in descending order

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108
papers

4,547
citations

126907

33
h-index

106344

65
g-index

111
all docs

111
docs citations

111
times ranked

5118
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Bio-Coke from spent mushroom substrate for a sustainable solid fuel. Biomass Conversion and Biorefinery, 2022, 12, 4095-4104.	4.6	12
2	Isolation and characterization of Lignin-derived monomer degraders under acidic conditions from tropical peatland. Journal of General and Applied Microbiology, 2022, , .	0.7	0
3	Artificial Neural Network (ANN) Modelling for Biogas Production in Pre-Commercialized Integrated Anaerobic-Aerobic Bioreactors (IAAB). Water (Switzerland), 2022, 14, 1410.	2.7	9
4	Isolation and characterization of acid-tolerant Stichococcus-like Microalga (Tetrastichococcus) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.8	4
5	Isolation and Characterization of Six Vibrio parahaemolyticus Lytic Bacteriophages From Seafood Samples. Frontiers in Microbiology, 2021, 12, 616548.	3.5	30
6	Draft Genome Sequence of the Prazosin-Degrading Bacillus sp. Strain PR5, Isolated from a River Receiving Hospital and Urban Wastewater in Malaysia. Microbiology Resource Announcements, 2021, 10, .	0.6	0
7	Draft Genome Sequences of Three Multidrug-Resistant Staphylococcus spp. Isolated from Hospital Wastewater in Malaysia. Microbiology Resource Announcements, 2021, 10, .	0.6	0
8	Draft Genome Sequence of Lignin-Degrading <i>Agrobacterium</i> sp. Strain S2, Isolated from a Decaying Oil Palm Empty Fruit Bunch. Microbiology Resource Announcements, 2021, 10, .	0.6	2
9	Enhancement of astaxanthin accumulation using black light in Coelastrum and Monoraphidium isolated from Malaysia. Scientific Reports, 2021, 11, 11708.	3.3	18
10	The effectiveness of biological pretreatment of oil palm empty fruit bunch on its conversion into Bio-Coke. Bioresource Technology Reports, 2021, 15, 100765.	2.7	5
11	Bulk Chemical and Optical Spectroscopy Characterisations of Dissolved Organic Matter Extracted from the Tropical Coastal Sediment. Journal of Marine Science and Engineering, 2021, 9, 997.	2.6	1
12	Improvement and screening of astaxanthin producing mutants of newly isolated Coelastrum sp. using ethyl methane sulfonate induced mutagenesis technique. Biotechnology Reports (Amsterdam,) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 29	2.8	10
13	Development of Enokitake (Flammulina velutipes) mushroom cultivation technology using spent mushroom substrate anaerobic digestion residue. Environmental Technology and Innovation, 2021, 24, 102046.	6.1	6
14	Comparing GHG Emissions from Drained Oil Palm and Recovering Tropical Peatland Forests in Malaysia. Water (Switzerland), 2021, 13, 3372.	2.7	3
15	Cytotoxicity assay of plant-mediated synthesized iron oxide nanoparticles using Juglans regia green husk extract. Arabian Journal of Chemistry, 2020, 13, 2011-2023.	4.9	111
16	Elucidation of prazosin biodegradation by isolated <i>Bacillus</i> spp. from the tropical environment. Journal of General and Applied Microbiology, 2020, 66, 8-14.	0.7	2
17	Delivery, impact and approach of household food waste reduction campaigns. Journal of Cleaner Production, 2020, 246, 118969.	9.3	70
18	Conversion and characterization of Bio-Coke from abundant biomass waste in Malaysia. Renewable Energy, 2020, 162, 1017-1025.	8.9	27

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19	Chemical-Free Extraction and Identification of Sugar Components from Oil Palm Biomass Through a Hydrothermal Process. <i>Waste and Biomass Valorization</i> , 2020, 12, 4253.	3.4	1
20	Complete Genome Sequence of Lignin-Degrading <i>Streptomyces</i> sp. Strain S6, Isolated from an Oil Palm Plantation in Malaysia. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
21	Extraction and intensive conversion of lignocellulose from oil palm solid waste into lignin monomer by the combination of hydrothermal pretreatment and biological treatment. <i>Bioresource Technology Reports</i> , 2020, 11, 100456.	2.7	10
22	Enzymatic and genetic characterization of lignin depolymerization by <i>Streptomyces</i> sp. S6 isolated from a tropical environment. <i>Scientific Reports</i> , 2020, 10, 7813.	3.3	56
23	Prevalence and antibiotic resistance patterns of <i>Vibrio parahaemolyticus</i> isolated from different types of seafood in Selangor, Malaysia. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1602-1608.	3.8	62
24	Enhanced astaxanthin production by oxidative stress using methyl viologen as a reactive oxygen species (ROS) reagent in green microalgae <i>Coelastrum</i> sp.. <i>Indonesian Journal of Biotechnology</i> , 2020, 25, 95.	0.4	6
25	The use of soil cooling for growing temperate crops under tropical climate. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 1449-1456.	3.5	4
26	Evaluation of Pretreatment Effect for Spent Mushroom Substrate on Methane Production. <i>Journal of Water and Environment Technology</i> , 2019, 17, 174-179.	0.7	5
27	Depolymerization of lignocellulose of oil palm empty fruit bunch by thermophilic microorganisms from tropical climate. <i>Bioresource Technology</i> , 2019, 279, 174-180.	9.6	15
28	Microbial Diversity in Decaying Oil Palm Empty Fruit Bunches (OPEFB) and Isolation of Lignin-degrading Bacteria from a Tropical Environment. <i>Microbes and Environments</i> , 2019, 34, 161-168.	1.6	17
29	Whole gene transcriptomic analysis of PCB/biphenyl degrading <i>Rhodococcus jostii</i> RHA1. <i>Journal of General and Applied Microbiology</i> , 2019, 65, 173-179.	0.7	6
30	Removal efficiency of Gram-positive and Gram-negative bacteria using a natural coagulant during coagulation, flocculation, and sedimentation processes. <i>Water Science and Technology</i> , 2019, 80, 1787-1795.	2.5	20
31	A TonB-dependent receptor constitutes the outer membrane transport system for a lignin-derived aromatic compound. <i>Communications Biology</i> , 2019, 2, 432.	4.4	35
32	Utilization of distillation waste of sweet potato Shochu lees for <i>Lentinula edodes</i> cultivation. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 336-344.	3.0	5
33	Cultivation of oyster mushroom (<i>Pleurotus ostreatus</i>) on fermented moso bamboo sawdust. <i>Journal of King Saud University - Science</i> , 2019, 31, 490-494.	3.5	29
34	Development of Renewable Resources Based on Biomass Waste in Malaysia. <i>Journal of Smart Processing</i> , 2019, 8, 243-252.	0.1	0
35	Production of γ -linolenic Acid by an Oleaginous Green Algae <i>Acutodesmus obliquus</i> Isolated from Malaysia. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 1297-1306.	0.9	9
36	Environmentally sustainable applications of agro-based spent mushroom substrate (SMS): an overview. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1383-1396.	3.0	122

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37	A new and simple method for measuring in situ field-saturated hydraulic conductivity using a falling-head single cylinder. <i>Paddy and Water Environment</i> , 2018, 16, 81-87.	1.8	2
38	Cytotoxicity assay of biosynthesis gold nanoparticles mediated by walnut (<i>Juglans regia</i>) green husk extract. <i>Journal of Molecular Structure</i> , 2018, 1151, 97-105.	3.6	44
39	Elucidation and Characterization of New Chlorinated By-Products after Electrochemical Degradation of Hydrochlorothiazide Using Graphite/Poly Vinyl Chloride Electrode. <i>Catalysts</i> , 2018, 8, 540.	3.5	6
40	Lipid production enhancement in tropically isolated microalgae by azide and its effect on fatty acid composition. <i>Journal of Applied Phycology</i> , 2018, 30, 3063-3073.	2.8	6
41	Importance of Soil Temperature for the Growth of Temperate Crops under a Tropical Climate and Functional Role of Soil Microbial Diversity. <i>Microbes and Environments</i> , 2018, 33, 144-150.	1.6	24
42	Molecular characterization of multi-drug resistant <i>Escherichia coli</i> isolates from tropical environments in Southeast Asia. <i>Journal of General and Applied Microbiology</i> , 2018, 64, 284-292.	0.7	9
43	Green synthesis of silver nanoparticles in biopolymer stabilizer and their application as antibacterial efficacy. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
44	Recombinant protein expression of <i>Moringa oleifera</i> lectin in methylotrophic yeast as active coagulant for sustainable high turbid water treatment. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1642-1649.	1.3	4
45	An Eco-Friendly Means of Biosynthesis of Superparamagnetic Magnetite Nanoparticles via Marine Polymer. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 1047-1052.	2.0	44
46	Gold Nanoparticles Biosynthesis: A Simple Route for Control Size Using Waste Peel Extract. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 954-957.	2.0	11
47	Co-composting of palm empty fruit bunch and palm oil mill effluent: Microbial diversity and potential mitigation of greenhouse gas emission. <i>Journal of Cleaner Production</i> , 2017, 146, 94-100.	9.3	59
48	Characterization of Musty Odor-Producing Actinomycetes from Tropics and Effects of Temperature on the Production of Musty Odor Compounds. <i>Microbes and Environments</i> , 2017, 32, 352-357.	1.6	13
49	A Green Approach for the Synthesis of Silver Nanoparticles Using Ultrasonic Radiation's Times in Sodium Alginate Media: Characterization and Antibacterial Evaluation. <i>Journal of Nanomaterials</i> , 2016, 1-11.	2.7	32
50	Abundance of sulfur-degrading bacteria in a benthic bacterial community of shallow sea sediment in the off-Terengganu coast of the South China Sea. <i>MicrobiologyOpen</i> , 2016, 5, 967-978.	3.0	8
51	Synthesis of silver nanoparticles via green method using ultrasound irradiation in seaweed <i>Kappaphycus alvarezii</i> media. <i>Research on Chemical Intermediates</i> , 2016, 42, 7991-8004.	2.7	27
52	Identification of novel extracellular protein for PCB/biphenyl metabolism in <i>Rhodococcus jostii</i> RHA1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1012-1019.	1.3	10
53	Phenotypic and genetic characterization of multidrug-resistant <i>Staphylococcus aureus</i> in the tropics of Southeast Asia. <i>Microbiology (United Kingdom)</i> , 2016, 162, 2064-2074.	1.8	9
54	SIMULATION STUDY ON ENHANCING HYDROGEN PRODUCTION IN AN OCEAN THERMAL ENERGY (OTEC) SYSTEM UTILIZING A SOLAR COLLECTOR. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, .	0.4	1

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73	0602 Responses of <i>Pseudomonas</i> Hosts to Carriage of a Mobile Genetic Element. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2010, 2009.22, 87.	0.0	0
74	DNA microarray analysis of global gene regulation by A-factor in <i>Streptomyces griseus</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 2197-2210.	1.8	47
75	Colonic Ulcers in a Patient Taking Low-Dose Aspirin. <i>Digestion</i> , 2009, 79, 251-251.	2.3	1
76	Identification and Gene Disruption of Small Noncoding RNAs in <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , 2009, 191, 4896-4904.	2.2	23
77	Dynamic changes in the extracellular proteome caused by absence of a pleiotropic regulator AdpA in <i>Streptomyces griseus</i> . <i>Molecular Microbiology</i> , 2009, 73, 898-912.	2.5	37
78	Dissecting Intramural Hematoma of the Esophagus in a Kendo Player Taking Low-Dose Aspirin. <i>Internal Medicine</i> , 2009, 48, 2153-2154.	0.7	1
79	Genome Sequence of the Streptomycin-Producing Microorganism <i>Streptomyces griseus</i> IFO 13350. <i>Journal of Bacteriology</i> , 2008, 190, 4050-4060.	2.2	534
80	A gene cluster encoding cholesterol catabolism in a soil actinomycete provides insight into <i>Mycobacterium tuberculosis</i> survival in macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1947-1952.	7.1	480
81	Transcriptomic Analysis Reveals a Bifurcated Terephthalate Degradation Pathway in <i>Rhodococcus</i> sp. Strain RHA1. <i>Journal of Bacteriology</i> , 2007, 189, 1641-1647.	2.2	76
82	Characterization of <i>ligV</i> Essential for Catabolism of Vanillin by <i>Sphingomonas paucimobilis</i> SYK-6. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2487-2492.	1.3	57
83	The complete genome of <i>Rhodococcus</i> sp. RHA1 provides insights into a catabolic powerhouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15582-15587.	7.1	586
84	Characterization of the Terephthalate Degradation Genes of <i>Comamonas</i> sp. Strain E6. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1825-1832.	3.1	94
85	Transcriptomic Assessment of Isozymes in the Biphenyl Pathway of <i>Rhodococcus</i> sp. Strain RHA1. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6183-6193.	3.1	83
86	Characterization of the 4-Carboxy-4-Hydroxy-2-Oxoadipate Aldolase Gene and Operon Structure of the Protocatechuate 4,5-Cleavage Pathway Genes in <i>Sphingomonas paucimobilis</i> SYK-6. <i>Journal of Bacteriology</i> , 2003, 185, 41-50.	2.2	52
87	Contribution of the Cecum and Colon to Zinc Absorption in Rats. <i>Journal of Nutrition</i> , 2000, 130, 83-89.	2.9	56
88	Genetic and Biochemical Characterization of 4-Carboxy-2-Hydroxy-2-Hydroxy-6-Semialdehyde Dehydrogenase and Its Role in the Protocatechuate 4,5-Cleavage Pathway in <i>Sphingomonas paucimobilis</i> SYK-6. <i>Journal of Bacteriology</i> , 2000, 182, 6651-6658.	2.2	57
89	The 4-Oxalomesaconate Hydratase Gene, Involved in the Protocatechuate 4,5-Cleavage Pathway, Is Essential to Vanillate and Syringate Degradation in <i>Sphingomonas paucimobilis</i> SYK-6. <i>Journal of Bacteriology</i> , 2000, 182, 6950-6957.	2.2	71
90	Ingestion of Guar Gum Hydrolysate, a Soluble Fiber, Increases Calcium Absorption in Totally Gastrectomized Rats. <i>Journal of Nutrition</i> , 1999, 129, 39-45.	2.9	39

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91	Short-Chain Fatty Acids Suppress Cholesterol Synthesis in Rat Liver and Intestine. <i>Journal of Nutrition</i> , 1999, 129, 942-948.	2.9	247
92	Genetic and Biochemical Characterization of a 2-Pyrone-4,6-Dicarboxylic Acid Hydrolase Involved in the Protocatechuate 4,5-Cleavage Pathway of <i>Sphingomonas paucimobilis</i> SYK-6. <i>Journal of Bacteriology</i> , 1999, 181, 55-62.	2.2	104
93	Ingestion of guar-gum hydrolysate partially restores calcium absorption in the large intestine lowered by suppression of gastric acid secretion in rats. <i>British Journal of Nutrition</i> , 1999, 81, 315-21.	2.3	7
94	Bile-Pancreatic Juice-Independent Increases in Pancreatic Proteases and Intestinal Cholecystokinin by Dietary Protein in Rats. <i>Experimental Biology and Medicine</i> , 1998, 217, 173-179.	2.4	6
95	Fermentation products of sugar-beet fiber by cecal bacteria lower plasma cholesterol concentration in rats. <i>Journal of Nutrition</i> , 1998, 128, 688-93.	2.9	59
96	Changes in Messenger RNA of Pancreatic Enzymes and Intestinal Cholecystokinin after a 7-Day Bile-pancreatic Juice Diversion from the Proximal Small Intestine in Rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 1997, 61, 1002-1006.	1.3	1
97	CK-independent increases in pancreatic secretion induced by dietary protein in chronic BPJ-diverted rats. <i>American Journal of Physiology - Renal Physiology</i> , 1996, 271, G501-G508.	3.4	4
98	Increases in calcium absorption with ingestion of soluble dietary fibre, guar-gum hydrolysate, depend on the caecum in partially nephrectomized and normal rats. <i>British Journal of Nutrition</i> , 1996, 76, 773-784.	2.3	67
99	Lack of Response to Dietary Protein in Pancreatic Secretion by Chronic Deprivation of Jejunal Chyme in Rats. <i>Scandinavian Journal of Gastroenterology</i> , 1996, 31, 1132-1135.	1.5	11
100	Lack of response to dietary protein in pancreatic secretion by chronic deprivation of jejunal chyme in rats. <i>Scandinavian Journal of Gastroenterology</i> , 1996, 31, 1125-31.	1.5	0
101	Gastric Acid-Independent Enhancement of Exocrine Pancreatic Secretion by Dietary Protein in Chronic Bile-Pancreatic Juice Diverted Rats. <i>Pancreas</i> , 1995, 11, 173-178.	1.1	3
102	A Protein Less Sensitive to Trypsin, Guanidinated Casein, Is a Potent Stimulator of Exocrine Pancreas in Rats. <i>Experimental Biology and Medicine</i> , 1995, 210, 278-284.	2.4	15
103	Induction of pancreatic growth and proteases by feeding a high amino acid diet does not depend on cholecystokinin in rats. <i>Journal of Nutrition</i> , 1995, 125, 1143-9.	2.9	20
104	Artificial Fiber Complexes Composed of Cellulose and Guar Gum or Psyllium May Be Better Sources of Soluble Fiber for Rats than Comparable Fiber Mixtures. <i>Journal of Nutrition</i> , 1994, 124, 1238-1247.	2.9	12
105	Evaluation of fermentability of acid-treated maize husk by rat caecal bacteria in vivo and in vitro. <i>British Journal of Nutrition</i> , 1994, 71, 719-729.	2.3	30
106	Enhancement of Pancreatic Secretion by Dietary Protein in Rats with Chronic Diversion of Bile-Pancreatic Juice from the Proximal Small Intestine. <i>Pancreas</i> , 1994, 9, 275-279.	1.1	14
107	Role of Gastric Digestion in the Absorption of Slowly Digestible Peptide, Oligo-L-Methionine, in Rats. <i>Experimental Biology and Medicine</i> , 1993, 202, 315-319.	2.4	1
108	Draft Genome Sequences of Multidrug-Resistant <i>Escherichia coli</i> Strains Isolated from River Water in Malaysia. <i>Microbiology Resource Announcements</i> , 0, , .	0.6	0