

Daisuke Honda

List of Publications by Year in descending order

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56
papers

2,833
citations

186209

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h-index

175177

52
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59
all docs

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docs citations

59
times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of docosahexaenoic acid production by <i>Schizochytrium limacinum</i> SR21. <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 72-76.	1.7	291
2	Detection of Seven Major Evolutionary Lineages in Cyanobacteria Based on the 16S rRNA Gene Sequence Analysis with New Sequences of Five Marine <i>Synechococcus</i> Strains. <i>Journal of Molecular Evolution</i> , 1999, 48, 723-739.	0.8	227
3	Molecular Phylogeny of Labyrinthulids and Thraustochytrids Based On the Sequencing of 18s Ribosomal Rna Gene. <i>Journal of Eukaryotic Microbiology</i> , 1999, 46, 637-647.	0.8	164
4	Taxonomic rearrangement of the genus <i>Schizochytrium</i> sensu lato based on morphology, chemotaxonomic characteristics, and 18S rRNA gene phylogeny (Thraustochytriaceae, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,622 Td (La Oblongichytrium gen. nov.. <i>Mycoscience</i> , 2007, 48, 199-211.	0.3	164
5	Production of docosahexaenoic and docosapentaenoic acids by <i>Schizochytrium</i> sp. isolated from Yap Islands. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1996, 73, 1421-1426.	0.8	162
6	Thraustochytrid <i>Aurantiochytrium</i> sp. 18W-13a Accumulates High Amounts of Squalene. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 2246-2248.	0.6	123
7	<i>Schizochytrium limacinum</i> sp. nov., a new thraustochytrid from a mangrove area in the west Pacific Ocean. <i>Mycological Research</i> , 1998, 102, 439-448.	2.5	115
8	Labyrinthulomycetes phylogeny and its implications for the evolutionary loss of chloroplasts and gain of ectoplasmic gliding. <i>Molecular Phylogenetics and Evolution</i> , 2009, 50, 129-140.	1.2	104
9	Optimization of culture conditions of the thraustochytrid <i>Aurantiochytrium</i> sp. strain 18W-13a for squalene production. <i>Bioresource Technology</i> , 2012, 109, 287-291.	4.8	83
10	Taxonomic rearrangement of the genus <i>Ulkenia</i> sensu lato based on morphology, chemotaxonomical characteristics, and 18S rRNA gene phylogeny (Thraustochytriaceae, Labyrinthulomycetes): emendation for <i>Ulkenia</i> and erection of <i>Botryochytrium</i> , <i>Parietichytrium</i> , and <i>Sicyoidochytrium</i> gen. nov. <i>Mycoscience</i> , 2007, 48, 329-341.	0.3	80
11	Taxonomy, molecular phylogeny, and ultrastructural morphology of <i>Olpidiopsis porphyrae</i> sp. nov. (Oomycetes, straminipiles), a unicellular obligate endoparasite of <i>Bangia</i> and <i>Porphyra</i> spp. (Bangiales, Tj ETQq1 1 0 5 7 8 4 3 1 4 rgBT /Ole	0.3	79
12	Grouping Newly Isolated Docosahexaenoic Acid-Producing Thraustochytrids Based on Their Polyunsaturated Fatty Acid Profiles and Comparative Analysis of 18S rRNA Genes. <i>Marine Biotechnology</i> , 2003, 5, 450-457.	1.1	69
13	Optimization of Culture Conditions for Growth and Docosahexaenoic Acid Production by a Marine Thraustochytrid, <i>Aurantiochytrium limacinum</i> mh0186. <i>Journal of Oleo Science</i> , 2009, 58, 623-628.	0.6	66
14	Versatile Transformation System That Is Applicable to both Multiple Transgene Expression and Gene Targeting for Thraustochytrids. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3193-3202.	1.4	62
15	TLC screening of thraustochytrid strains for squalene production. <i>Journal of Applied Phycology</i> , 2014, 26, 29-41.	1.5	60
16	Increase of Eicosapentaenoic Acid in Thraustochytrids through Thraustochytrid Ubiquitin Promoter-Driven Expression of a Fatty Acid Δ^5 Desaturase Gene. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3870-3876.	1.4	58
17	The Development, Ultrastructural Cytology, and Molecular Phylogeny of the Basal Oomycete <i>Eurychasma dicksonii</i> , Infecting the Filamentous Phaeophyte Algae <i>Ectocarpus siliculosus</i> and <i>Pylaiella littoralis</i> . <i>Protist</i> , 2008, 159, 299-318.	0.6	57
18	3 Systematics of the Straminipila: Labyrinthulomycota, Hyphochytriomycota, and Oomycota. , 2014, , 39-97.		56

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19	Analysis of Δ^{12} -fatty acid desaturase function revealed that two distinct pathways are active for the synthesis of PUFAs in <i>T. aureum</i> ATCC 34304. <i>Journal of Lipid Research</i> , 2012, 53, 1210-1222.	2.0	54
20	The Distribution of Extracellular Cellulase Activity in Marine Eukaryotes, Thraustochytrids. <i>Marine Biotechnology</i> , 2011, 13, 133-136.	1.1	53
21	The Pinguiphyceae classis nova, a new class of photosynthetic stramenopiles whose members produce large amounts of omega-3 fatty acids. <i>Phycological Research</i> , 2002, 50, 31-47.	0.8	49
22	Isolation and Characterization of a Novel Single-Stranded RNA Virus Infectious to a Marine Fungoid Protist, <i>Schizochytrium</i> sp. (Thraustochytriaceae, Labyrinthulea). <i>Applied and Environmental Microbiology</i> , 2005, 71, 4516-4522.	1.4	48
23	Complete nucleotide sequence and genome organization of a single-stranded RNA virus infecting the marine fungoid protist <i>Schizochytrium</i> sp.. <i>Journal of General Virology</i> , 2006, 87, 723-733.	1.3	43
24	Molecular phylogeny of an unidentified Haliphthoros-like marine oomycete and <i>Haliphthoros milfordensis</i> inferred from nuclear-encoded small- and large-subunit rRNA genes and mitochondrial-encoded <i>cox2</i> gene. <i>Mycoscience</i> , 2007, 48, 212-221.	0.3	40
25	Proposal of <i>Pseudochattonella verruculosa</i> gen. nov., comb. nov. (Dictyochophyceae) for a former raphidophycean alga <i>Chattonella verruculosa</i> , based on 18S rDNA phylogeny and ultrastructural characteristics. <i>Phycological Research</i> , 2007, 55, 185-192.	0.8	37
26	<i>Olpidiopsis bostrychia</i> sp. nov.: an endoparasitic oomycete that infects <i>Bostrychia</i> and other red algae (Rhodophyta). <i>Phycologia</i> , 2009, 48, 460-472.	0.6	37
27	Detection of Genes Involved in Fatty Acid Elongation and Desaturation in Thraustochytrid Marine Eukaryotes. <i>Journal of Oleo Science</i> , 2011, 60, 475-481.	0.6	37
28	<i>Bacillus ligniniphilus</i> sp. nov., an alkaliphilic and halotolerant bacterium isolated from sediments of the South China Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1712-1717.	0.8	37
29	Phylogenetic analyses of the polycystine Radiolaria based on the 18s rDNA sequences of the Spumellarida and the Nassellarida. <i>European Journal of Protistology</i> , 2005, 41, 287-298.	0.5	29
30	Homologs of the Sexually Induced Gene 1 (<i>sig1</i>) Product constitute the Stramenopile Mastigonemes. <i>Protist</i> , 2007, 158, 77-88.	0.6	29
31	Nutritional intake of <i>Aplanochytrium</i> (Labyrinthulea, Stramenopiles) from living diatoms revealed by culture experiments suggesting the new prey-predator interactions in the grazing food web of the marine ecosystem. <i>PLoS ONE</i> , 2019, 14, e0208941.	1.1	28
32	MORPHOLOGICAL AND PHYLOGENETIC STUDIES ON UNICELLULAR DIAZOTROPHIC CYANOBACTERIA (CYANOPHYTES) ISOLATED FROM THE COASTAL WATERS AROUND SINGAPORE. <i>Journal of Phycology</i> , 2008, 44, 142-151.	1.0	24
33	Effect of trace elements on growth of marine eukaryotes, thraustochytrids. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 337-339.	1.1	24
34	Ultrastructure and reconstruction of the flagellar apparatus architecture in <i>Ankylochrysis lutea</i> (Chrysophyceae, Sarcinochrysidales). <i>Phycologia</i> , 1995, 34, 215-227.	0.6	22
35	Optimization of Biomass and Fatty Acid Production by <i>Aurantiochytrium</i> sp. Strain 4W-1b. <i>Procedia Environmental Sciences</i> , 2012, 15, 27-33.	1.3	20
36	Molecular phylogeny of solitary shell-bearing Polycystinea (Radiolaria). <i>Revue De Micropaleontologie</i> , 2004, 47, 111-118.	0.8	19

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37	A New Labyrinthulid Isolate That Produces Only Docosahexaenoic Acid. <i>Marine Biotechnology</i> , 2006, 8, 170-177.	1.1	17
38	Proposal of <i>Monorhizochytrium globosum</i> gen. nov., comb. nov. (<i>Stramenopiles</i> , <i>Labyrinthulomycetes</i>) for former <i>Thraustochytrium globosum</i> based on morphological features and phylogenetic relationships. <i>Phycological Research</i> , 2017, 65, 188-201.	0.8	17
39	Ultrastructure and taxonomy of a marine photosynthetic stramenopile <i>Phaeomonas parva</i> gen. et sp. nov. (<i>Pinguicophyceae</i>) with emphasis on the flagellar apparatus architecture. <i>Phycological Research</i> , 2002, 50, 75-89.	0.8	17
40	<i>Sulcochrysis biplastida</i> gen. et sp. nov.: Cell structure and absolute configuration of the flagellar apparatus of an enigmatic chromophyte alga. <i>Phycological Research</i> , 1995, 43, 1-16.	0.8	16
41	Fluorescence in situ hybridization using 18S rRNA-targeted probe for specific detection of thraustochytrids (<i>Labyrinthulomycetes</i>). <i>Plankton and Benthos Research</i> , 2007, 2, 91-97.	0.2	14
42	Novel Lysophospholipid Acyltransferase PLAT1 of <i>Aurantiochytrium limacinum</i> F26-b Responsible for Generation of Palmitate-Docosahexaenoate-Phosphatidylcholine and Phosphatidylethanolamine. <i>PLoS ONE</i> , 2014, 9, e102377.	1.1	14
43	Bothrosome Formation in <i>Schizochytrium aggregatum</i> (<i>Labyrinthulomycetes</i> , <i>Stramenopiles</i>) during Zoospore Settlement. <i>Protist</i> , 2017, 168, 206-219.	0.6	12
44	Possible aplanochytrid (<i>Labyrinthulea</i>) prey detected using 18S metagenetic diet analysis in the key copepod species <i>Calanus sinicus</i> ; in the coastal waters of the subtropical western North Pacific. <i>Plankton and Benthos Research</i> , 2018, 13, 75-82.	0.2	12
45	PUFA synthase-independent DHA synthesis pathway in <i>Parietichytrium</i> sp. and its modification to produce EPA and n-3DPA. <i>Communications Biology</i> , 2021, 4, 1378.	2.0	12
46	A deeply branched novel phylotype found in Japanese paddy soils The GenBank/EMBL/DDBJ accession numbers for the sequences of the novel soil clones and their aligned data set are D88480 and ds36901, respectively. <i>Microbiology (United Kingdom)</i> , 2000, 146, 2309-2315.	0.7	11
47	Nutritional Intake by Ectoplasmic Nets of <i>Schizochytrium aggregatum</i> (<i>Labyrinthulomycetes</i>). <i>Journal of Eukaryotic Microbiology</i> , 2019, 10, 107-110.	0.8	10
48	Taming chlorophylls by early eukaryotes underpinned algal interactions and the diversification of the eukaryotes on the oxygenated Earth. <i>ISME Journal</i> , 2019, 13, 1899-1910.	4.4	10
49	Isolation and Characterization of a Δ^5 -Desaturase from <i>Oblongichytrium</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 2224-2227.	0.6	8
50	Elemental composition and ultrafine structure of the skeleton in shell-bearing protists: A case study of phaeodarians and radiolarians. <i>Journal of Structural Biology</i> , 2018, 204, 45-51.	1.3	6
51	Molecular phylogeny of solitary shell-bearing Polycystinea (<i>Radiolaria</i>). <i>Revue De Micropaleontologie</i> , 2004, 47, 111-118.	0.8	4
52	Ecological Dynamics of Two Distinct Viruses Infecting Marine Eukaryotic Decomposer Thraustochytrids (<i>Labyrinthulomycetes</i> , <i>Stramenopiles</i>). <i>PLoS ONE</i> , 2015, 10, e0133395.	1.1	4
53	The early detection of <i>Olpidiopsis</i> sp. (<i>Oomycetes</i> , <i>Chromista</i>) which causes damage to Nori cultivation using a PCR. <i>Nippon Suisan Gakkaishi</i> , 2005, 71, 917-922.	0.0	2
54	Draft Genome Sequence of <i>Sicyoidochytrium minutum</i> DNA Virus Strain 001. <i>Microbiology Resource Announcements</i> , 2021, 10, e0041821.	0.3	1

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55	ãããããã. Nippon Suisan Gakkaishi, 2009, 75, 907.	0.0	0
56	Taxonomy of <i>Olpidiopsis porphyrae</i> sp. nov. and development of detection method of <i>O. porphyrae</i> in the nori cultivation ground. Nippon Suisan Gakkaishi, 2009, 75, 908-909.	0.0	0