

Eun Chan Yang

List of Publications by Year in descending order

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62
papers

2,771
citations

218381

26
h-index

182168

51
g-index

62
all docs

62
docs citations

62
times ranked

3231
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Cyanophora paradoxa</i> Genome Elucidates Origin of Photosynthesis in Algae and Plants. <i>Science</i> , 2012, 335, 843-847.	6.0	371
2	Single-Cell Genomics Reveals Organismal Interactions in Uncultivated Marine Protists. <i>Science</i> , 2011, 332, 714-717.	6.0	283
3	Minke whale genome and aquatic adaptation in cetaceans. <i>Nature Genetics</i> , 2014, 46, 88-92.	9.4	227
4	Divergence time estimates and the evolution of major lineages in the florideophyte red algae. <i>Scientific Reports</i> , 2016, 6, 21361.	1.6	139
5	Morphology and Molecular Phylogeny of <i>Hypnea flexicaulis</i> (Gigartinales, Rhodophyta) from Korea. <i>Algae</i> , 2006, 21, 417-423.	0.9	121
6	Differential Gene Retention in Plastids of Common Recent Origin. <i>Molecular Biology and Evolution</i> , 2010, 27, 1530-1537.	3.5	102
7	Supermatrix Data Highlight the Phylogenetic Relationships of Photosynthetic Stramenopiles. <i>Protist</i> , 2012, 163, 217-231.	0.6	102
8	Red and Green Algal Monophyly and Extensive Gene Sharing Found in a Rich Repertoire of Red Algal Genes. <i>Current Biology</i> , 2011, 21, 328-333.	1.8	101
9	Mitochondrial <i>cox1</i> and plastid <i>rbcL</i> genes of <i>Gracilaria vermiculophylla</i> (Gracilariaceae.) Tj ETQq1 1 0.784314 rgBT_10 Tf 50	1.5	88
10	Complex phylogeographic patterns in the freshwater alga <i>Synura</i> provide new insights into ubiquity vs. endemism in microbial eukaryotes. <i>Molecular Ecology</i> , 2010, 19, 4328-4338.	2.0	77
11	Highly Conserved Mitochondrial Genomes among Multicellular Red Algae of the Florideophyceae. <i>Genome Biology and Evolution</i> , 2015, 7, 2394-2406.	1.1	76
12	Adaptation through horizontal gene transfer in the cryptoendolithic red alga <i>Galdieria phlegrea</i> . <i>Current Biology</i> , 2013, 23, R865-R866.	1.8	74
13	Evidence of ancient genome reduction in red algae (Rhodophyta). <i>Journal of Phycology</i> , 2015, 51, 624-636.	1.0	71
14	Analysis of the Draft Genome of the Red Seaweed <i>Gracilariopsis chorda</i> Provides Insights into Genome Size Evolution in Rhodophyta. <i>Molecular Biology and Evolution</i> , 2018, 35, 1869-1886.	3.5	71
15	Single cell genome analysis supports a link between phagotrophy and primary plastid endosymbiosis. <i>Scientific Reports</i> , 2012, 2, 356.	1.6	62
16	Single cell genome analysis of an uncultured heterotrophic stramenopile. <i>Scientific Reports</i> , 2014, 4, 4780.	1.6	59
17	Systematics of <i>Hypnea asiatica</i> sp. nov. (Hypneaceae, Rhodophyta) based on morphology and nrDNA SSU, plastid <i>rbcL</i> , and mitochondrial <i>cox1</i> . <i>Taxon</i> , 2009, 58, 606-616.	0.4	50
18	An Ankyrin Repeat Domain of AKR2 Drives Chloroplast Targeting through Coincident Binding of Two Chloroplast Lipids. <i>Developmental Cell</i> , 2014, 30, 598-609.	3.1	49

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19	Reconstructing the complex evolutionary history of mobile plasmids in red algal genomes. <i>Scientific Reports</i> , 2016, 6, 23744.	1.6	42
20	Phylogeography of the seaweed <i>Ishige okamurae</i> (Phaeophyceae): evidence for glacial refugia in the northwest Pacific region. <i>Marine Biology</i> , 2012, 159, 1021-1028.	0.7	40
21	Evidence for two independent lineages of <i>Griffithsia</i> (Ceramiaceae, Rhodophyta) based on plastid protein-coding <i>psaA</i> , <i>psbA</i> , and <i>rbcl</i> gene sequences. <i>Molecular Phylogenetics and Evolution</i> , 2004, 31, 680-688.	1.2	39
22	Recent introduction of <i>Polysiphonia morrowii</i> (Ceramiaceae, Rhodophyta) to Punta Arenas, Chile. <i>Botanica Marina</i> , 2004, 47, .	0.6	36
23	Cyanidiophyceae in Iceland: plastid <i>rbcL</i> gene elucidates origin and dispersal of extremophilic <i>Galdieria sulphuraria</i> and <i>G. maxima</i> (Galdieriaceae, Rhodophyta). <i>Phycologia</i> , 2014, 53, 542-551.	0.6	35
24	Ancient Gene Paralogy May Mislead Inference of Plastid Phylogeny. <i>Molecular Biology and Evolution</i> , 2012, 29, 3333-3343.	3.5	34
25	Extracellular Vesicles of the Hyperthermophilic Archaeon <i>Thermococcus onnurineus</i> NA1. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4591-4599.	1.4	34
26	Taxonomy and biogeography of <i>Agarum</i> and <i>Thalassiosiphon</i> (Laminariales). <i>Journal of Phycology</i> , 2010, 46, 831-840.	0.4	31
27	Diversity of the Photosynthetic <i>Paulinella</i> Species, with the Description of <i>Paulinella micropora</i> sp. nov. and the Chromatophore Genome Sequence for strain KR01. <i>Protist</i> , 2017, 168, 155-170.	0.6	28
28	Taxonomy and phylogeny of flattened species of <i>Gracilaria</i> (Gracilariaceae, Rhodophyta) from Korea based on morphology and protein-coding plastid <i>rbcl</i> and <i>psbA</i> sequences. <i>Phycologia</i> , 2006, 45, 520-528.	0.6	26
29	Ligulate <i>Desmarestia</i> (Desmarestiales, Phaeophyceae) revisited: <i>Desmarestia japonica</i> sp. nov. and <i>Desmarestia adudresnayi</i> differ from <i>Desmarestia ligulata</i> . <i>Journal of Phycology</i> , 2014, 50, 149-166.	1.0	20
30	Molecular evidence for recolonization of <i>Ceramium japonicum</i> (Ceramiaceae, Rhodophyta) on the west coast of Korea after the last glacial maximum. <i>Botanica Marina</i> , 2009, 52, 307-315.	0.6	18
31	Characterization of cetacean Numt and its application into cetacean phylogeny. <i>Genes and Genomics</i> , 2015, 37, 1061-1071.	0.5	17
32	Genetic diversity and haplotype distribution of <i>Pachymeniopsis garguili</i> sp. nov. and <i>Pachymeniopsis lanceolata</i> (<i>Hyalmeniales</i> , Rhodophyta) in Korea, with notes on their non-native distributions. <i>Journal of Phycology</i> , 2014, 50, 885-896.	1.0	16
33	New taxa of the Porphyridiophyceae (Rhodophyta): <i>Timspurckia oligopyrenoides</i> gen. et sp. nov. and <i>Erythrolobus madagascarensis</i> sp. nov. <i>Phycologia</i> , 2010, 49, 604-616.	0.6	14
34	Reinstatement of <i>Gracilariopsis chorda</i> (Gracilariaceae, Rhodophyta) Based on Plastid <i>rbcl</i> nad Mitochondrial <i>cox1</i> Sequences. <i>Algae</i> , 2008, 23, 209-217.	0.9	14
35	Complete mitochondrial genome of biraphid benthic diatom, <i>Navicula ramosissima</i> (Naviculales). <i>Journal of Phycology</i> , 2011, 47, 107-114.	0.2	13
36	Complete mitochondrial genome of <i>Skeletonema marinoi</i> (Mediophyceae, Bacillariophyta), a clonal chain forming diatom in the west coast of Korea. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2017, 28, 19-20.	0.7	13

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37	Potential causes and consequences of rapid mitochondrial genome evolution in thermoacidophilic <i>Galdieria</i> (Rhodophyta). <i>BMC Evolutionary Biology</i> , 2020, 20, 112.	3.2	13
38	On the genus <i>Rhodella</i> , the emended orders Dixoniellales and Rhodellales with a new order Glaucosphaerales (Rhodellophyceae, Rhodophyta). <i>Algae</i> , 2011, 26, 277-288.	0.9	13
39	Complete mitochondrial genome of the marine red alga <i>Grateloupia angusta</i> (Halymeniales). <i>Mitochondrial DNA</i> , 2014, 25, 269-270.	0.6	11
40	Complete mitochondrial genome of a rhodolith, <i>Sporolithon durum</i> (Sporolithales, Rhodophyta). <i>Mitochondrial DNA</i> , 2015, 26, 155-156.	0.6	11
41	Taxonomy and Phylogeny of <i>Neosiphonia japonica</i> (Rhodomelaceae, Rhodophyta) Based on <i>rbcl</i> and <i>cpeA/B</i> Gene Sequences. <i>Algae</i> , 2006, 21, 287-294.	0.9	11
42	A red alga-specific phycoerythrin gene for biodiversity surveys of callithamnioid red algae. <i>Molecular Ecology Notes</i> , 2006, 6, 533-535.	1.7	10
43	Complete mitochondrial genome of the agarophyte red alga <i>Gelidium vagum</i> (Gelidiales). <i>Mitochondrial DNA</i> , 2014, 25, 267-268.	0.6	9
44	Repeat region absent in mitochondrial genome of tube-dwelling diatom <i>Berkeleya fennica</i> (Naviculales, Bacillariophyceae). <i>Mitochondrial DNA</i> , 2016, 27, 1-2.	0.6	9
45	Genetic diversity hotspot of the amphi-Pacific macroalga <i>Gloiopeltis furcata</i> sensu lato (Gigartinales). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.5	9
46	Morphology, Basiphyte Range, and Plastid DNA Phylogeny of <i>Campylaephora borealis</i> stat. nov. (Ceramiaceae, Rhodophyta). <i>Taxon</i> , 2003, 52, 9.	0.4	8
47	RuBisCO cistron sequence variation and phylogeography of <i>Ceramium kondoi</i> (Ceramiaceae). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	0.6	8
48	Complete mitochondrial genome of Pacific abalone (<i>Haliotis discus hannai</i>) from Korea. <i>Mitochondrial DNA</i> , 2015, 26, 917-918.	0.6	8
49	Complete mitochondrial genome of agar-producing red alga <i>Gracilariopsis chorda</i> (Gracilariales). <i>Mitochondrial DNA</i> , 2014, 25, 339-341.	0.6	7
50	Multigene Phylogeny, Morphological Observation and Re-examination of the Literature Lead to the Description of the Phaeosacciophyceae Classis Nova and Four New Species of the Heterokontophyta SI Clade. <i>Protist</i> , 2020, 171, 125781.	0.6	7
51	Morphology, basiphyte range, and plastid DNA phylogeny of <i>Campylaephora borealis</i> stat. nov. (Ceramiaceae, Rhodophyta). <i>Taxon</i> , 2003, 52, 9-19.	0.4	6
52	Why two are not enough: degradation of p-toluenesulfonate by a bacterial community from a pristine site in Moorea, French Polynesia. <i>FEMS Microbiology Letters</i> , 2011, 316, 123-129.	0.7	6
53	<i>Erythrolobus australicus</i> sp. nov. (Porphyridiophyceae, Rhodophyta): a description based on several approaches. <i>Algae</i> , 2011, 26, 167-180.	0.9	6
54	Complete mitochondrial genome of sublittoral macroalga <i>Rhodymenia pseudopalmata</i> (Rhodymeniales). <i>Tj ETQq0 0.0 rgBT /Overlock 10</i>	0.6	5

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55	Further investigations on the PHAEOTHAMNIOPHYCEAE using a multigene phylogeny, with descriptions of five new species. <i>Journal of Phycology</i> , 2020, 56, 358-379.	1.0	4
56	Complete mitochondrial genome of <i>Polyopes lancifolius</i> and comparison with related species in Halymeniales (Rhodophyta). <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 1365-1366.	0.2	4
57	Resurrection of the Family Grateloupiaceae Emend. (Halymeniales, Rhodophyta) Based on a Multigene Phylogeny and Comparative Reproductive Morphology. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	4
58	The Occurrence of <i>Griffithsia okiensis</i> (Ceramiaceae, Rhodophyta) from Korea on the Basis of Morphology and Molecular Data. <i>Algae</i> , 2006, 21, 91-101.	0.9	3
59	Complete mitochondrial genome of <i>Upogebia yokoyai</i> (Decapoda, Crustacea) from Jejudo, Korea. <i>Mitochondrial DNA</i> , 2014, 27, 1-2.	0.6	2
60	Photosynthetic <i>Paulinella</i> : Recapitulation of Primary Plastid Establishment. , 2014, , 151-166.		2
61	Reply to Hu and Duan (Mar Biol): Insufficient geographical sampling could severely influence phylogeographic interpretations; comment on "Phylogeography of the seaweed <i>Ishige okamurae</i> (Phaeophyceae): evidence for glacial refugia in the northwest Pacific region" (Lee et al. 2012). <i>Marine Biology</i> , 2013, 160, 1519-1520.	0.7	1
62	Plastid-encoded gene comparison reveals usefulness of <i>atpB</i> , <i>psaA</i> , and <i>rbcL</i> for identification and phylogeny of plastid-containing cryptophyte clades. <i>Phycologia</i> , 2020, 59, 154-164.	0.6	1