Marek Elias

List of Publications by Year
in descending order

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86	9,007	101543	54911
papers	citations	36 h-index	84 g-index

97	97	97	10580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	When you Like Other Algae: Adglutina synurophila gen. et sp. nov. (Moewusinia, Chlorophyceae), a Clingy Green Microalga Associated with Synura Colonies. Protist, 2022, 173, 125858.	1.5	3
2	A new lineage of non-photosynthetic green algae with extreme organellar genomes. BMC Biology, 2022, 20, 66.	3.8	7
3	Phylogenetic profiling and cellular analyses of ARL16 reveal roles in traffic of IFT140 and INPP5E. Molecular Biology of the Cell, 2022, 33, mbcE21100509T.	2.1	10
4	Evidence for an Independent Hydrogenosome-to-Mitosome Transition in the CL3 Lineage of Fornicates. Frontiers in Microbiology, 2022, 13, .	3.5	3
5	Characiopsis BorzÃ¬ belongs to the Eustigmatophyceae. European Journal of Phycology, 2021, 56, 186-202.	2.0	8
6	The Mastigamoeba balamuthi Genome and the Nature of the Free-Living Ancestor of Entamoeba. Molecular Biology and Evolution, 2021, 38, 2240-2259.	8.9	14
7	Olisthodiscus represents a new class of Ochrophyta. Journal of Phycology, 2021, 57, 1094-1118.	2.3	10
8	Vestiges of the Bacterial Signal Recognition Particle-Based Protein Targeting in Mitochondria. Molecular Biology and Evolution, 2021, 38, 3170-3187.	8.9	8
9	Analysis of diverse eukaryotes suggests the existence of an ancestral mitochondrial apparatus derived from the bacterial type II secretion system. Nature Communications, 2021, 12, 2947.	12.8	19
10	Protist diversity: Novel groups enrich the algal tree of life. Current Biology, 2021, 31, R733-R735.	3.9	6
11	Genomics and transcriptomics yields a system-level view of the biology of the pathogen Naegleria fowleri. BMC Biology, 2021, 19, 142.	3.8	18
12	Expansion and transformation of the minor spliceosomal system in the slime mold Physarum polycephalum. Current Biology, 2021, 31, 3125-3131.e4.	3.9	13
13	A Eukaryote-Wide Perspective on the Diversity and Evolution of the ARF GTPase Protein Family. Genome Biology and Evolution, 2021, 13, .	2.5	18
14	PhyloFisher: A phylogenomic package for resolving eukaryotic relationships. PLoS Biology, 2021, 19, e3001365.	5.6	51
15	Settling the identity and phylogenetic position of the psychrotolerant green algal genus Coleochlamys (Trebouxiophyceae). Phycologia, 2021, 60, 135-147.	1.4	5
16	Monodopsis and Vischeria Genomes Shed New Light on the Biology of Eustigmatophyte Algae. Genome Biology and Evolution, 2021, 13, .	2.5	8
17	Metabolic quirks and the colourful history of the Euglena gracilis secondary plastid. New Phytologist, 2020, 225, 1578-1592.	7.3	65
18	Evolution of the genetic code in the mitochondria of Labyrinthulea (Stramenopiles). Molecular Phylogenetics and Evolution, 2020, 152, 106908.	2.7	2

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19	Returning to the Fold for Lessons in Mitochondrial Crista Diversity and Evolution. Current Biology, 2020, 30, R575-R588.	3.9	53
20	The draft nuclear genome sequence and predicted mitochondrial proteome of Andalucia godoyi, a protist with the most gene-rich and bacteria-like mitochondrial genome. BMC Biology, 2020, 18, 22.	3.8	43
21	Toward Modern Classification of Eustigmatophytes, Including the Description of Neomonodaceae Fam. Nov. and Three New Genera¹. Journal of Phycology, 2020, 56, 630-648.	2.3	16
22	The Cryptic Plastid of Euglena longa Defines a New Type of Nonphotosynthetic Plastid Organelle. MSphere, 2020, 5, .	2.9	14
23	The Oxymonad Genome Displays Canonical Eukaryotic Complexity in the Absence of a Mitochondrion. Molecular Biology and Evolution, 2019, 36, 2292-2312.	8.9	49
24	Evolution and Unprecedented Variants of the Mitochondrial Genetic Code in a Lineage of Green Algae. Genome Biology and Evolution, 2019, 11, 2992-3007.	2.5	17
25	Was the Mitochondrion Necessary to Start Eukaryogenesis?. Trends in Microbiology, 2019, 27, 96-104.	7.7	42
26	Plastid Genomes and Proteins Illuminate the Evolution of Eustigmatophyte Algae and Their Bacterial Endosymbionts. Genome Biology and Evolution, 2019, 11, 362-379.	2.5	29
27	Extensive molecular tinkering in the evolution of the membrane attachment mode of the Rheb GTPase. Scientific Reports, 2018, 8, 5239.	3.3	9
28	Peculiar features of the plastids of the colourless alga Euglena longa and photosynthetic euglenophytes unveiled by transcriptome analyses. Scientific Reports, 2018, 8, 17012.	3.3	35
29	A gene transfer event suggests a long-term partnership between eustigmatophyte algae and a novel lineage of endosymbiotic bacteria. ISME Journal, 2018, 12, 2163-2175.	9.8	57
30	Eustigmatophyceae. , 2017, , 367-406.		19
31	Nuclear genetic codes with a different meaning of the UAG and the UAA codon. BMC Biology, 2017, 15, 8.	3.8	25
32	Extreme genome diversity in the hyper-prevalent parasitic eukaryote Blastocystis. PLoS Biology, 2017, 15, e2003769.	5.6	99
33	The plastid genome of some eustigmatophyte algae harbours a bacteria-derived six-gene cluster for biosynthesis of a novel secondary metabolite. Open Biology, 2016, 6, 160249.	3.6	35
34	Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. Current Biology, 2016, 26, 1577-1584.	3.9	175
35	A Eukaryote without a Mitochondrial Organelle. Current Biology, 2016, 26, 1274-1284.	3.9	302
36	An Unprecedented Non-canonical Nuclear Genetic Code with All Three Termination Codons Reassigned as Sense Codons. Current Biology, 2016, 26, 2364-2369.	3.9	92

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37	Genome of Leptomonas pyrrhocoris: a high-quality reference for monoxenous trypanosomatids and new insights into evolution of Leishmania. Scientific Reports, 2016, 6, 23704.	3.3	74
38	A paneukaryotic genomic analysis of the small GTPase RABL2 underscores the significance of recurrent gene loss in eukaryote evolution. Biology Direct, 2016, 11, 5.	4.6	22
39	A Comparative Analysis of Mitochondrial Genomes in Eustigmatophyte Algae. Genome Biology and Evolution, 2016, 8, 705-722.	2.5	33
40	Eustigmatophyceae. , 2016, , 1-39.		5
41	RuBisCO in Non-Photosynthetic Alga Euglena longa: Divergent Features, Transcriptomic Analysis and Regulation of Complex Formation. PLoS ONE, 2016, 11, e0158790.	2.5	31
42	Bacterial proteins pinpoint a single eukaryotic root. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E693-9.	7.1	159
43	Sex is a ubiquitous, ancient, and inherent attribute of eukaryotic life. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8827-8834.	7.1	236
44	Updating algal evolutionary relationships through plastid genome sequencing: did alveolate plastids emerge through endosymbiosis of an ochrophyte?. Scientific Reports, 2015, 5, 10134.	3.3	102
45	An ancestral bacterial division system is widespread in eukaryotic mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10239-10246.	7.1	70
46	Dissecting a Hidden Gene Duplication: The Arabidopsis thaliana SEC10 Locus. PLoS ONE, 2014, 9, e94077.	2.5	29
47	Contrasting patterns in the evolution of the Rab GTPase family in Archaeplastida. Acta Societatis Botanicorum Poloniae, 2014, 83, 303-315.	0.8	15
48	A small portion of plastid transcripts is polyadenylated in the flagellate Euglena gracilis. FEBS Letters, 2014, 588, 783-788.	2.8	23
49	The diversity and phylogeny of the commercially important algal class Eustigmatophyceae, including the new clade Goniochloridales. Journal of Applied Phycology, 2014, 26, 1773-1782.	2.8	41
50	A Large Number of Nuclear Genes in the Human Parasite Blastocystis Require mRNA Polyadenylation to Create Functional Termination Codons. Genome Biology and Evolution, 2014, 6, 1956-1961.	2.5	11
51	Chloropyrula uraliensis gen. et sp. nov. (<scp>T</scp>rebouxiophyceae, Chlorophyta), a new green coccoid alga with a unique ultrastructure, isolated from soil in South Urals. Journal of Systematics and Evolution, 2013, 51, 476-484.	3.1	14
52	Genome structure and metabolic features in the red seaweed Chondrus crispus shed light on evolution of the Archaeplastida. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5247-5252.	7.1	307
53	The demise of the genus Scotiellopsis Vinatzer (Chlorophyta). Nova Hedwigia, 2013, 97, 415-428.	0.4	35
54	A Broad Phylogenetic Survey Unveils the Diversity and Evolution of Telomeres in Eukaryotes. Genome Biology and Evolution, 2013, 5, 468-483.	2.5	89

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55	Ancient Complexity, Opisthokont Plasticity, and Discovery of the 11th Subfamily of Arf <scp>GAP</scp> Proteins. Traffic, 2013, 14, 636-649.	2.7	36
56	A case of taxonomic inflation in coccoid algae: Ellipsoidion parvum and Neocystis vischeri are conspecific with Neocystis (=Nephrodiella) brevis (Chlorophyta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 506 697 Td (Tr	0.3	
57	Highly Dynamic Exon Shuffling in Candidate Pathogen Receptors ... What if Brown Algae Were Capable of Adaptive Immunity?. Molecular Biology and Evolution, 2012, 29, 1263-1276.	8.9	31
58	Sculpting the endomembrane system in deep time: High resolution phylogenetics of Rab GTPases. Journal of Cell Science, 2012, 125, 2500-8.	2.0	139
59	Dynamic Evolution of Telomeric Sequences in the Green Algal Order Chlamydomonadales. Genome Biology and Evolution, 2012, 4, 248-264.	2.5	50
60	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	27.8	377
61	The Ectocarpus Genome and Brown Algal Genomics. Advances in Botanical Research, 2012, 64, 141-184.	1.1	18
62	ZOOSPOROGENESIS, MORPHOLOGY, ULTRASTRUCTURE, PIGMENT COMPOSITION, AND PHYLOGENETIC POSITION OF TRACHYDISCUS MINUTUS (EUSTIGMATOPHYCEAE, HETEROKONTOPHYTA)¹. Journal of Phycology, 2012, 48, 231-242.	2.3	45
63	Rho GTPases: Deciphering the Evolutionary History of a Complex Protein Family. Methods in Molecular Biology, 2012, 827, 13-34.	0.9	34
64	Comparative genomics of the social amoebae Dictyostelium discoideum and Dictyostelium purpureum. Genome Biology, 2011, 12, R20.	9.6	141
65	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
66	JENUFA GEN. NOV.: A NEW GENUS OF COCCOID GREEN ALGAE (CHLOROPHYCEAE, INCERTAE SEDIS) PREVIOUSLY RECORDED BY ENVIRONMENTAL SEQUENCING1. Journal of Phycology, 2011, 47, 928-938.	2.3	41
67	The Ras related GTPase Miro is not required for mitochondrial transport in Dictyostelium discoideum. European Journal of Cell Biology, 2011, 90, 342-355.	3.6	41
68	Xylochloris irregularis gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccoid green alga. Phycologia, 2011, 50, 57-66.	1.4	57
69	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. Nature, 2010, 465, 617-621.	27.8	774
70	Hylodesmus singaporensis gen. et sp. nov., a new autosporic subaerial green alga (Scenedesmaceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2010, 60, 1224-1235.	1.7	43
71	Patterns and processes in the evolution of the eukaryotic endomembrane system. Molecular Membrane Biology, 2010, 27, 469-489.	2.0	30
72	Genomic Analysis of the Basal Lineage Fungus Rhizopus oryzae Reveals a Whole-Genome Duplication. PLoS Genetics, 2009, 5, e1000549.	3.5	332

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73	Sizing up the genomic footprint of endosymbiosis. BioEssays, 2009, 31, 1273-1279.	2.5	40
74	The RAB Family GTPase Rab1A from Plasmodium falciparum Defines a Unique Paralog Shared by Chromalveolates and Rhizaria. Journal of Eukaryotic Microbiology, 2009, 56, 348-356.	1.7	25
75	Kalinella bambusicola gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel coccoid Chlorellaâ€like subaerial alga from Southeast Asia. Phycological Research, 2009, 57, 159-169.	1.6	51
76	The RJL family of small GTPases is an ancient eukaryotic invention probably functionally associated with the flagellar apparatus. Gene, 2009, 442, 63-72.	2.2	29
77	Pseudomarvania, gen. nov. (Chlorophyta, Trebouxiophyceae), a new genus for "budding" subaerial green algae Marvania aerophytica NEUSTUPA et ÅEJNOHOVÁ•and Stichococcus ampulliformis HANDA.. Fottea, 2009, 9, 169-177.	0.9	18
78	Elliptochloris bilobata var. corticola var. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccal green alga. Biologia (Poland), 2008, 63, 791-798.	1.5	21
79	cpRAS: a novel circularly permuted RAS-like GTPase domain with a highly scattered phylogenetic distribution. Biology Direct, 2008, 3, 21.	4.6	7
80	The Guanine Nucleotide Exchange Factors Sec2 and PRONE: Candidate Synapomorphies for the Opisthokonta and the Archaeplastida. Molecular Biology and Evolution, 2008, 25, 1526-1529.	8.9	16
81	The Chlamydomonas Genome Reveals the Evolution of Key Animal and Plant Functions. Science, 2007, 318, 245-250.	12.6	2,354
82	AtEXO70A1, a member of a family of putative exocyst subunits specifically expanded in land plants, is important for polar growth and plant development. Plant Journal, 2006, 48, 54-72.	5.7	234
83	Nomenclature for the human Arf family of GTP-binding proteins: ARF, ARL, and SAR proteins. Journal of Cell Biology, 2006, 172, 645-650.	5.2	232
84	A Specific Feature of the Angiosperm Rab Escort Protein (REP) and Evolution of the REP/GDI Superfamily. Journal of Molecular Biology, 2005, 348, 1299-1313.	4.2	27
85	Phosphatidic acid produced by phospholipaseÂD is required for tobacco pollen tube growth. Planta, 2003, 217, 122-130.	3.2	168
86	Molecular diversity of phospholipase D in angiosperms. BMC Genomics, 2002, 3, 2.	2.8	97