Kenneth G Karol

List of Publications by Year
in descending order

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42 papers	2,939 citations	279798 23 h-index	265206 42 g-index
42 all docs	42 docs citations	42 times ranked	3357 citing authors

#	Article	IF	Citations
1	Global high-throughput genotyping of organellar genomes reveals insights into the origin and spread of invasive starry stonewort (Nitellopsis obtusa). Biological Invasions, 2021, 23, 3471-3482.	2.4	5
2	Order, please! Uncertainty in the ordinal-level classification of Chlorophyceae. PeerJ, 2019, 7, e6899.	2.0	25
3	Biology, ecology, and management of starry stonewort (Nitellopsis obtusa; Characeae): A Red-listed Eurasian green alga invasive in North America. Aquatic Botany, 2018, 148, 15-24.	1.6	35
4	New records of the rare North American endemic Chara brittonii (Characeae), with comments on its distribution. Brittonia, 2018, 70, 277-288.	0.2	4
5	Organellar phylogenomics inform systematics in the green algal family Hydrodictyaceae (Chlorophyceae) and provide clues to the complex evolutionary history of plastid genomes in the green algal tree of life. American Journal of Botany, 2018, 105, 315-329.	1.7	23
6	Untangling climate and water chemistry to predict changes in freshwater macrophyte distributions. Ecology and Evolution, 2018, 8, 2802-2811.	1.9	19
7	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. Cell, 2018, 174, 448-464.e24.	28.9	420
8	Prediction of starry stonewort (Nitellopsis obtusa) invasion risk in upper Midwest (USA) lakes using ecological niche models. Aquatic Botany, 2018, 151, 43-50.	1.6	6
9	Phylogenetic congruence of ribosomal operon and plastid gene sequences for the Characeae with an emphasis on Tolypella (Characeae, Charophyceae). Phycologia, 2017, 56, 230-237.	1.4	8
10	Plastome sequences of an ancient fern lineage reveal remarkable changes in gene content and architecture. American Journal of Botany, 2017, 104, 1008-1018.	1.7	25
11	First discovery of the charophycean green alga Lychnothamnus barbatus (Charophyceae) extant in the New World. American Journal of Botany, 2017, 104, 1108-1116.	1.7	16
12	Discovery of the oldest record of Nitellopsis obtusa (Charophyceae, Charophyta) in North America. Journal of Phycology, 2017, 53, 1106-1108.	2.3	18
13	Plastomes of the green algae Hydrodictyon reticulatum and Pediastrum duplex (Sphaeropleales, Chlorophyceae). PeerJ, 2017, 5, e3325.	2.0	8
14	Chloroplast phylogenomic analyses reveal the deepest-branching lineage of the Chlorophyta, Palmophyllophyceae class. nov.. Scientific Reports, 2016, 6, 25367.	3.3	98
15	An inventory of the algae (excluding diatoms) of lakes and ponds of Harriman and Bear Mountain State Parks (Rockland and Orange Counties, New York, U.S.A.). Brittonia, 2016, 68, 148-169.	0.2	2
16	Oospore dimensions and morphology in North American Tolypella (Charophyceae, Charophyta). Journal of Phycology, 2015, 51, 310-320.	2.3	4
17	Distribution of Nitellopsis obtusa (Characeae) in New York, U.S.A.. Brittonia, 2015, 67, 166-172.	0.2	29
18	A revision of Chara sect. Protochara, comb. et stat. nov. (Characeae: Charophyceae). Australian Systematic Botany, 2014, 27, 23.	0.9	18

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19	Phylogeny of <scp>N</scp>orth <scp>A</scp>merican <scp>T</scp>olypella (<scp>C</scp>harophyceae, <scp>C</scp>harophyta) based on plastid <scp>DNA</scp> sequences with a description of <scp>T</scp>olypella ramosissima sp. nov.. Journal of Phycology, 2014, 50, 776-789.	2.3	35
20	Reply to J. Samuels: Taxonomic notes on several wild relatives of Solanum melongena L.. Molecular Phylogenetics and Evolution, 2013, 69, 306-307.	2.7	2
21	Phylogeographic relationships among Asian eggplants and new perspectives on eggplant domestication. Molecular Phylogenetics and Evolution, 2012, 63, 685-701.	2.7	149
22	Plastomes of Bryophytes, Lycophytes and Ferns. Advances in Photosynthesis and Respiration, 2012, , 89-102.	1.0	8
23	Foreword: A Festschrift on the occasion of Dennis Wm. Stevensonâ€™s 70th birthday. Botanical Review, The, 2012, 78, 307-309.	3.9	1
24	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
25	Complete plastome sequences of Equisetum arvense and Isoetes flaccida: implications for phylogeny and plastid genome evolution of early land plant lineages. BMC Evolutionary Biology, 2010, 10, 321.	3.2	120
26	Chloroplast genome sequence of the moss Tortula ruralis: gene content, polymorphism, and structural arrangement relative to other green plant chloroplast genomes. BMC Genomics, 2010, 11, 143.	2.8	64
27	Monoecious Nitella species (Characeae, Charophyta) from south-eastern mainland Australia, including Nitella paludigena sp. nov.. Australian Systematic Botany, 2008, 21, 201.	0.9	6
28	PHYLOGENY OF THE CONJUGATING GREEN ALGAE BASED ON CHLOROPLAST AND MITOCHONDRIAL NUCLEOTIDE SEQUENCE DATA¹. Journal of Phycology, 2008, 44, 467-477.	2.3	80
29	The Complete Plastid Genome Sequence of Angiopteris evecta (G. Forst.) Hoffm. (Marattiaceae). American Fern Journal, 2007, 97, 95-106.	0.3	44
30	Origin and Evolution of the Chloroplast trnK (matK) Intron: A Model for Evolution of Group II Intron RNA Structures. Molecular Biology and Evolution, 2006, 23, 380-391.	8.9	92
31	PHYLOGENY OF SPIROGYRA AND SIROGONIUM (ZYGNEMATOPHYCEAE) BASED ON RBCL SEQUENCE DATA1. Journal of Phycology, 2005, 41, 1055-1064.	2.3	26
32	The first complete chloroplast genome sequence of a lycophyte, Huperzia lucidula (Lycopodiaceae). Gene, 2005, 350, 117-128.	2.2	101
33	Charophyte algae and land plant origins. Trends in Ecology and Evolution, 2004, 19, 661-666.	8.7	233
34	Occurrence of matK in a trnK group II intron in charophyte green algae and phylogeny of the Characeae. American Journal of Botany, 2003, 90, 628-633.	1.7	22
35	PHYLOGENY OF THE GENUS COLEOCHAETE (COLEOCHAETALES, CHAROPHYTA) AND RELATED TAXA INFERRED BY ANALYSIS OF THE CHLOROPLAST GENE rbcL 1. Journal of Phycology, 2002, 38, 394-403.	2.3	60
36	PHYLOGENY OF THE CONJUGATING GREEN ALGAE (ZYGNEMOPHYCEAE) BASED ON rbc â€ƒâ€ƒL SEQUENCES. Journal of Phycology, 2000, 36, 747-758.	2.3	105

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37	Monophyly of Genera and Species of Characeae based on rbcL Sequences, with Special Reference to Australian and European Lychnothamnus barbatus (Characeae: Charophyceae). Australian Journal of Botany, 1999, 47, 361.	0.6	37
38	Nucleotide sequence of rbc L and phylogenetic relationships of Setchellanthus caeruleus (Setchellanthaceae). Taxon, 1999, 48, 303-315.	0.7	32
39	Taxonomic affinities ofPhysena (Physenaceae) andAsteropeia (Theaceae). Botanical Review, The, 1997, 63, 231-239.	3.9	40
40	Phylogeny ofGonatozygonandGenicularia(Gonatozygaceae, Desmidiales) based onrbcL sequences. European Journal of Phycology, 1996, 31, 309-313.	2.0	14
41	Phylogeny of extant genera in the family Characeae (Charales, Charophyceae) based on rbcL, sequences and morphology. American Journal of Botany, 1996, 83, 125-131.	1.7	66
42	USING rbcL SEQUENCES TO TEST HYPOTHESES OF CHLOROPLAST AND THALLUS EVOLUTION IN CONJUGATING GREEN ALGAE (ZYGNEMATALES, CHAROPHYCEAE)1. Journal of Phycology, 1995, 31, 989-995.	2.3	45