

Algal ancestor of land plants was preadapted for symbiosis

Proceedings of the National Academy of Sciences of the United States of America
112, 13390-13395

DOI: [10.1073/pnas.1515426112](https://doi.org/10.1073/pnas.1515426112)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Does a Common Pathway Transduce Symbiotic Signals in Plant-Microbe Interactions?. <i>Frontiers in Plant Science</i> , 2016, 7, 96.	1.7	116
2	Abiotic Stress Tolerance of Charophyte Green Algae: New Challenges for Omics Techniques. <i>Frontiers in Plant Science</i> , 2016, 7, 678.	1.7	120
3	The Mutualistic Interaction between Plants and Arbuscular Mycorrhizal Fungi. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	47
4	Chasing unicorns: Nodulation origins and the paradox of novelty. <i>American Journal of Botany</i> , 2016, 103, 1865-1868.	0.8	62
5	<i>Dicranochaete</i> – an enigmatic green alga with surprising adaptive capabilities. <i>Phycologia</i> , 2016, 55, 219-229.	0.6	7
6	Synthesis on Biological Soil Crust Research. <i>Ecological Studies</i> , 2016, , 527-534.	0.4	17
7	Chlorokybophyceae, Klebsormidiophyceae, Coleochaetophyceae. , 2016, , 1-20.		1
8	Recent literature on bryophytes – 119(2). <i>Bryologist</i> , 2016, 119, 193-219.	0.1	1
9	The nonopisthokont septins. <i>Methods in Cell Biology</i> , 2016, 136, 1-19.	0.5	10
10	Starting points in plant-bacteria nitrogen-fixing symbioses: intercellular invasion of the roots. <i>Journal of Experimental Botany</i> , 2017, 68, erw387.	2.4	55
12	Physiology and Spatio-temporal Relations of Nutrient Acquisition by Roots and Root Symbionts. <i>Progress in Botany Fortschritte Der Botanik</i> , 2016, , 167-233.	0.1	0
14	Streptophyte Terrestrialization in Light of Plastid Evolution. <i>Trends in Plant Science</i> , 2016, 21, 467-476.	4.3	136
15	What Does It Take to Evolve A Nitrogen-Fixing Endosymbiosis?. <i>Trends in Plant Science</i> , 2016, 21, 199-208.	4.3	71
16	Functional <i>PTB</i> phosphate transporters are present in streptophyte algae and early diverging land plants. <i>New Phytologist</i> , 2017, 214, 1158-1171.	3.5	25
17	Physiological Responses and Gene Co-Expression Network of Mycorrhizal Roots under K ⁺ Deprivation. <i>Plant Physiology</i> , 2017, 173, 1811-1823.	2.3	69
18	Symbiosis in eukaryotic evolution. <i>Journal of Theoretical Biology</i> , 2017, 434, 20-33.	0.8	113
19	Modern Topics in the Phototrophic Prokaryotes. , 2017, , .		42
20	Cyanobacteria in Terrestrial Symbiotic Systems. , 2017, , 243-294.		25

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21	Early Diverging Fungi: Diversity and Impact at the Dawn of Terrestrial Life. <i>Annual Review of Microbiology</i> , 2017, 71, 41-60.	2.9	151
22	Ancestral alliances: Plant mutualistic symbioses with fungi and bacteria. <i>Science</i> , 2017, 356, .	6.0	333
23	Fungi that Infect Humans. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	149
24	How Embryophytic is the Biosynthesis of Phenylpropanoids and their Derivatives in Streptophyte Algae?. <i>Plant and Cell Physiology</i> , 2017, 58, 934-945.	1.5	102
25	Comparative transcriptome analysis between <i>Solanum lycopersicum</i> L. and <i>Lotus japonicus</i> L. during arbuscular mycorrhizal development. <i>Soil Science and Plant Nutrition</i> , 2017, 63, 127-136.	0.8	27
26	The rice LysM receptor-like kinase <i>CERK1</i> is required for the perception of short-chain chitin oligomers in arbuscular mycorrhizal signaling. <i>New Phytologist</i> , 2017, 214, 1440-1446.	3.5	111
27	Evolutionary History of Subtilases in Land Plants and Their Involvement in Symbiotic Interactions. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 489-501.	1.4	38
28	Nuclear Ca ²⁺ signalling in arbuscular mycorrhizal and actinorhizal endosymbioses: on the trail of novel underground signals. <i>New Phytologist</i> , 2017, 214, 533-538.	3.5	21
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32	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	13.5	973
33	Mycorrhizosphere Interactions to Improve a Sustainable Production of Legumes. , 2017, , 199-225.		7
34	Plant Signaling and Metabolic Pathways Enabling Arbuscular Mycorrhizal Symbiosis. <i>Plant Cell</i> , 2017, 29, 2319-2335.	3.1	241
35	Ancestor of land plants acquired the DNA-3-methyladenine glycosylase (MAG) gene from bacteria through horizontal gene transfer. <i>Scientific Reports</i> , 2017, 7, 9324.	1.6	18
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37	Chlorokybophyceae, Klebsormidiophyceae, Coleochaetophyceae. , 2017, , 185-204.		3
38	Bacterial Endophytes of Plants: Diversity, Invasion Mechanisms and Effects on the Host. <i>Sustainable Development and Biodiversity</i> , 2017, , 25-40.	1.4	15
39	Biology and evolution of arbuscular mycorrhizal symbiosis in the light of genomics. <i>New Phytologist</i> , 2017, 213, 531-536.	3.5	53

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41	Comparative phylogenomics of symbiotic associations. <i>New Phytologist</i> , 2017, 213, 89-94.	3.5	40
42	CRISPR/Cas9-based knockouts reveal that CpRLP1 is a negative regulator of the sex pheromone PR-IP in the <i>Closterium peracerosum-strigosum-littorale</i> complex. <i>Scientific Reports</i> , 2017, 7, 17873.	1.6	17
43	Comprehensive Genome-Wide Classification Reveals That Many Plant-Specific Transcription Factors Evolved in Streptophyte Algae. <i>Genome Biology and Evolution</i> , 2017, 9, 3384-3397.	1.1	95
44	The Mutualistic Interaction between Plants and Arbuscular Mycorrhizal Fungi. , 0, , 727-747.		6
45	Fungi that Infect Humans. , 2017, , 811-843.		8
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47	Lipid transfer from plants to arbuscular mycorrhiza fungi. <i>ELife</i> , 2017, 6, .	2.8	329
48	Shifts in diversification rates and host jump frequencies shaped the diversity of host range among <i>Sclerotiniaceae</i> fungal plant pathogens. <i>Molecular Ecology</i> , 2018, 27, 1309-1323.	2.0	40
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52	Taking the step: from EvoDevo to plant-microbe interaction evolution with the liverwort <i>Marchantia</i> . <i>New Phytologist</i> , 2018, 218, 882-884.	3.5	3
53	<i>Phytophthora palmivora</i> establishes tissue-specific intracellular infection structures in the earliest divergent land plant lineage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3846-E3855.	3.3	59
54	A novel experimental system using the liverwort <i>Marchantia polymorpha</i> and its fungal endophytes reveals diverse and context-dependent effects. <i>New Phytologist</i> , 2018, 218, 1217-1232.	3.5	54
55	Transcriptional Regulation of Arbuscular Mycorrhiza Development. <i>Plant and Cell Physiology</i> , 2018, 59, 678-695.	1.5	86
56	Manipulation of Bryophyte Hosts by Pathogenic and Symbiotic Microbes. <i>Plant and Cell Physiology</i> , 2018, 59, 656-665.	1.5	29
57	Evolutionary history of mycorrhizal symbioses and global host plant diversity. <i>New Phytologist</i> , 2018, 220, 1108-1115.	3.5	901

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59	Fungi and fungal interactions in the Rhynie chert: a review of the evidence, with the description of <i>Perexiflasca tayloriana</i> gen. et sp. nov. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160500.	1.8	36
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63	Unity in diversity: structural and functional insights into the ancient partnerships between plants and fungi. <i>New Phytologist</i> , 2018, 220, 996-1011.	3.5	84
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65	The coming of age of EvoMPMI: evolutionary molecular plant-microbe interactions across multiple timescales. <i>Current Opinion in Plant Biology</i> , 2018, 44, 108-116.	3.5	92
66	Out of Water: The Origin and Early Diversification of Plant <i>R</i> -Genes. <i>Plant Physiology</i> , 2018, 177, 82-89.	2.3	117
67	Strigolactones as Regulators of Symbiotrophy of Plants and Microorganisms. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 151-167.	0.5	4
68	The origin and evolution of mycorrhizal symbioses: from palaeomycology to phylogenomics. <i>New Phytologist</i> , 2018, 220, 1012-1030.	3.5	206
69	Independent signalling cues underpin arbuscular mycorrhizal symbiosis and large lateral root induction in rice. <i>New Phytologist</i> , 2018, 217, 552-557.	3.5	28
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74	Transient genetic transformation of <i>Mougeotia scalaris</i> (Zygnematophyceae) mediated by the endogenous β -tubulin1 promoter. <i>Journal of Phycology</i> , 2018, 54, 840-849.	1.0	17
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87	Demystifying the liverwort <i>Radula marginata</i> , a critical review on its taxonomy, genetics, cannabinoid phytochemistry and pharmacology. Phytochemistry Reviews, 2019, 18, 953-965.	3.1	19
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90	Algal-fungal symbiosis leads to photosynthetic mycelium. ELife, 2019, 8, .	2.8	64
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150	Friends in low places: Soil derived microbial inoculants for biostimulation and biocontrol in crop production. , 2021, , 15-31.		5
151	Fossil Ascomycota and Basidiomycota, With Notes on Fossil Lichens and Nematophytes. , 2021, , 378-395.		2
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