

The genome of the seagrass *Zostera marina* reveals ang

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polyploidy and genome evolution in plants. <i>Current Opinion in Genetics and Development</i> , 2015, 35, 119-125.	1.5	578
2	Plant Cuttings. <i>Annals of Botany</i> , 2016, 117, iii-vi.	1.4	0
3	Phylogeny and Expression Analyses Reveal Important Roles for Plant PKS III Family during the Conquest of Land by Plants and Angiosperm Diversification. <i>Frontiers in Plant Science</i> , 2016, 7, 1312.	1.7	14
4	The life aquatic: advances in marine vertebrate genomics. <i>Nature Reviews Genetics</i> , 2016, 17, 523-534.	7.7	69
5	Grasses use an alternatively wired bHLH transcription factor network to establish stomatal identity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8326-8331.	3.3	142
6	De Novo Annotation of Transposable Elements: Tackling the Fat Genome Issue. <i>Proceedings of the IEEE</i> , 2016, , 1-8.	16.4	8
7	2016 Editors' choice. <i>Nature</i> , 2016, 540, 536-537.	13.7	1
8	Lineage-specific stem cells, signals and asymmetries during stomatal development. <i>Development (Cambridge)</i> , 2016, 143, 1259-1270.	1.2	84
9	Phylogeographic differentiation versus transcriptomic adaptation to warm temperatures in <i>Zostera marina</i> , a globally important seagrass. <i>Molecular Ecology</i> , 2016, 25, 5396-5411.	2.0	64
10	The Genome of a Southern Hemisphere Seagrass Species (<i>Zostera muelleri</i>). <i>Plant Physiology</i> , 2016, 172, 272-283.	2.3	88
11	Goodbye genome paper, hello genome report: the increasing popularity of "genome announcements" and their impact on science: Table 1.. <i>Briefings in Functional Genomics</i> , 2017, 16, elw026.	1.3	11
12	Are We There Yet? Reliably Estimating the Completeness of Plant Genome Sequences. <i>Plant Cell</i> , 2016, 28, 1759-1768.	3.1	89
13	Origin and function of stomata in the moss <i>Physcomitrella patens</i> . <i>Nature Plants</i> , 2016, 2, 16179.	4.7	138
14	The emergence of molecular profiling and omics techniques in seagrass biology; furthering our understanding of seagrasses. <i>Functional and Integrative Genomics</i> , 2016, 16, 465-480.	1.4	41
15	Molecular physiology reveals ammonium uptake and related gene expression in the seagrass <i>Zostera muelleri</i> . <i>Marine Environmental Research</i> , 2016, 122, 126-134.	1.1	23
16	Evolutionary Dynamics of Chloroplast Genomes in Low Light: A Case Study of the Endolithic Green Alga <i>Ostreobium quekettii</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 2939-2951.	1.1	40
17	Transcriptome characterisation and simple sequence repeat marker discovery in the seagrass <i>Posidonia oceanica</i> . <i>Scientific Data</i> , 2016, 3, 160115.	2.4	13
18	Loss of heterophylly in aquatic plants: not ABA-mediated stress but exogenous ABA treatment induces stomatal leaves in <i>Potamogeton perfoliatus</i> . <i>Journal of Plant Research</i> , 2016, 129, 853-862.	1.2	26

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19	From sea to sea. <i>Nature</i> , 2016, 530, 290-291.	13.7	10
21	Under the sea flowering plants adapt and thrive. <i>Nature Reviews Genetics</i> , 2016, 17, 195-195.	7.7	0
22	Of dups and dinos: evolution at the K/Pg boundary. <i>Current Opinion in Plant Biology</i> , 2016, 30, 62-69.	3.5	64
23	MicroRNA annotation of plant genomes â Do it right or not at all. <i>BioEssays</i> , 2017, 39, 1600113.	1.2	50
24	Functional <scp>PTB</scp> phosphate transporters are present in streptophyte algae and early diverging land plants. <i>New Phytologist</i> , 2017, 214, 1158-1171.	3.5	25
25	Seagrass ecosystems reduce exposure to bacterial pathogens of humans, fishes, and invertebrates. <i>Science</i> , 2017, 355, 731-733.	6.0	319
26	Light intensity dependent photosynthetic electron transport in eelgrass (<i>Zostera marina</i> L.). <i>Plant Physiology and Biochemistry</i> , 2017, 113, 168-176.	2.8	23
27	Stomatal development in time: the past and the future. <i>Current Opinion in Genetics and Development</i> , 2017, 45, 1-9.	1.5	38
28	Photomorphogenic responses to ultravioletâ light. <i>Plant, Cell and Environment</i> , 2017, 40, 2544-2557.	2.8	183
29	Linking gene expression to productivity to unravel long- and short-term responses of seagrasses exposed to CO2 in volcanic vents. <i>Scientific Reports</i> , 2017, 7, 42278.	1.6	20
30	Nutrient enrichment outweighs effects of light quality in <i>Zostera marina</i> (eelgrass) seed germination. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 490, 23-28.	0.7	8
31	Phytochelatin 2 accumulates in roots of the seagrass <i>Enhalus acoroides</i> collected from sediment highly contaminated with lead. <i>BioMetals</i> , 2017, 30, 249-260.	1.8	11
32	How plants cope with UV-B: from perception to response. <i>Current Opinion in Plant Biology</i> , 2017, 37, 42-48.	3.5	156
33	Origins and Evolution of Stomatal Development. <i>Plant Physiology</i> , 2017, 174, 624-638.	2.3	154
34	Global-Scale Structure of the Eelgrass Microbiome. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	147
35	The evolutionary significance of polyploidy. <i>Nature Reviews Genetics</i> , 2017, 18, 411-424.	7.7	1,288
36	The Stenohaline Seagrass <i>Posidonia oceanica</i> Can Persist in Natural Environments Under Fluctuating Hypersaline Conditions. <i>Estuaries and Coasts</i> , 2017, 40, 1688-1704.	1.0	18
37	Polyamines. , 2017, , 243-255.		4

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38	Identification of the abiotic stress-related transcription in little Neptune grass <i>Cymodocea nodosa</i> with RNA-seq. <i>Marine Genomics</i> , 2017, 34, 47-56.	0.4	16
39	A receptor-like protein acts as a specificity switch for the regulation of stomatal development. <i>Genes and Development</i> , 2017, 31, 927-938.	2.7	97
40	Transitions between marine and freshwater environments provide new clues about the origins of multicellular plants and algae. <i>Journal of Phycology</i> , 2017, 53, 731-745.	1.0	54
41	Tissue-specific transcriptomic profiling provides new insights into the reproductive ecology and biology of the iconic seagrass species <i>Posidonia oceanica</i> . <i>Marine Genomics</i> , 2017, 35, 51-61.	0.4	10
42	The asparagus genome sheds light on the origin and evolution of a young Y chromosome. <i>Nature Communications</i> , 2017, 8, 1279.	5.8	240
43	Abiotic Stress of Seagrasses: Recent Advances in Transcriptomics, Genomics, and Systems Biology. , 2017, , 119-132.		2
44	Photobiology of Seagrasses: A Systems Biology Perspective. , 2017, , 133-165.		5
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46	Permanently open stomata of aquatic angiosperms display modified cellulose crystallinity patterns. <i>Plant Signaling and Behavior</i> , 2017, 12, e1339858.	1.2	12
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48	The <i>Apostasia</i> genome and the evolution of orchids. <i>Nature</i> , 2017, 549, 379-383.	13.7	305
49	Insights into the red algae and eukaryotic evolution from the genome of <i>Porphyra umbilicalis</i> (Bangiophyceae, Rhodophyta). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6361-E6370.	3.3	233
50	Clonal and genetic diversity of the threatened seagrass <i>Halophila beccarii</i> in a tropical lagoon: Resilience through short distance dispersal. <i>Aquatic Botany</i> , 2017, 142, 96-104.	0.8	20
51	Direct uptake of HCO ₃ ⁻ in the marine angiosperm <i>Posidonia oceanica</i> (L.) Delile driven by a plasma membrane H ⁺ economy. <i>Plant, Cell and Environment</i> , 2017, 40, 2820-2830.	2.8	40
52	Carbon-concentrating mechanisms in seagrasses. <i>Journal of Experimental Botany</i> , 2017, 68, 3773-3784.	2.4	48
53	Systems biology analysis of the <i>WOX5</i> gene and its functions in the root stem cell niche. <i>Russian Journal of Genetics: Applied Research</i> , 2017, 7, 404-420.	0.4	5
54	Karyotype variations in seagrass (<i>Halodule wrightii</i> Ascherson & Griseb. Cymodoceaceae). <i>Aquatic Botany</i> , 2017, 136, 52-55.	0.8	5
55	Marine genomics: News and views. <i>Marine Genomics</i> , 2017, 31, 1-8.	0.4	12

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57	Roles of actin cytoskeleton for regulation of chloroplast anchoring. <i>Plant Signaling and Behavior</i> , 2017, 12, e1370163.	1.2	6
58	Proteome Analysis Reveals Extensive Light Stress-Response Reprogramming in the Seagrass <i>Zostera muelleri</i> (Alismatales, Zosteraceae) Metabolism. <i>Frontiers in Plant Science</i> , 2016, 7, 2023.	1.7	48
59	Molecular Mechanisms behind the Physiological Resistance to Intense Transient Warming in an Iconic Marine Plant. <i>Frontiers in Plant Science</i> , 2017, 8, 1142.	1.7	59
60	Understanding Aquaporin Transport System in Eelgrass (<i>Zostera marina</i> L.), an Aquatic Plant Species. <i>Frontiers in Plant Science</i> , 2017, 8, 1334.	1.7	23
61	Development of an Efficient Protein Extraction Method Compatible with LC-MS/MS for Proteome Mapping in Two Australian Seagrasses <i>Zostera muelleri</i> and <i>Posidonia australis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1416.	1.7	20
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66	Microbial communities in sediment from <i>Zostera marina</i> patches, but not the <i>Z. Âmarina</i> leaf or root microbiomes, vary in relation to distance from patch edge. <i>PeerJ</i> , 2017, 5, e3246.	0.9	115
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68	The FERONIA Receptor Kinase Maintains Cell-Wall Integrity during Salt Stress through Ca ²⁺ Signaling. <i>Current Biology</i> , 2018, 28, 666-675.e5.	1.8	526
69	SeagrassDB: An open-source transcriptomics landscape for phylogenetically profiled seagrasses and aquatic plants. <i>Scientific Reports</i> , 2018, 8, 2749.	1.6	12
70	Microbial degradation of poly(μ -caprolactone) in a coastal environment. <i>Polymer Degradation and Stability</i> , 2018, 149, 1-8.	2.7	36
71	Is It Ordered Correctly? Validating Genome Assemblies by Optical Mapping. <i>Plant Cell</i> , 2018, 30, 7-14.	3.1	40
72	Genome-wide searches and molecular analyses highlight the unique evolutionary path of flavone synthase I (FNSI) in Apiaceae. <i>Genome</i> , 2018, 61, 103-109.	0.9	7
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74	A new mechanistic understanding of light-limitation in the seagrass <i>Zostera muelleri</i> . <i>Marine Environmental Research</i> , 2018, 134, 55-67.	1.1	19
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80	Seagrass leaf element content: A global overview. <i>Marine Pollution Bulletin</i> , 2018, 134, 123-133.	2.3	5
81	The <i>Physcomitrella patens</i> chromosome-scale assembly reveals moss genome structure and evolution. <i>Plant Journal</i> , 2018, 93, 515-533.	2.8	406
82	Seagrass science is growing: A report on the 12th International Seagrass Biology Workshop. <i>Marine Pollution Bulletin</i> , 2018, 134, 223-227.	2.3	9
83	Growth responses of the intertidal seagrass <i>Zostera japonica</i> to manipulated sea level rise conditions. <i>Bulletin of Marine Science</i> , 2018, 94, 1379-1393.	0.4	5
84	Assessing the performance of Ks plots for detecting ancient whole genome duplications. <i>Genome Biology and Evolution</i> , 2018, 10, 2882-2898.	1.1	60
85	Which Genes in a Typical Intertidal Seagrass (<i>Zostera japonica</i>) Indicate Copper-, Lead-, and Cadmium Pollution?. <i>Frontiers in Plant Science</i> , 2018, 9, 1545.	1.7	11
86	Trade-offs and Synergies in the Structural and Functional Characteristics of Leaves Photosynthesizing in Aquatic Environments. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 307-343.	1.0	14
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90	Systematics and Evolution of Australian Seagrasses in a Global Context. , 2018, , 129-154.		9
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95	Photosynthesis and Metabolism of Seagrasses. , 2018, , 315-342.		13
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111	Biotic and Abiotic Conditions Can Change the Reproductive Allocation of <i>Zostera marina</i> Inhabiting the Coastal Areas of North China. <i>Journal of Ocean University of China</i> , 2019, 18, 528-536.	0.6	8
112	Rapid Metabolome and Bioactivity Profiling of Fungi Associated with the Leaf and Rhizosphere of the Baltic Seagrass <i>Zostera marina</i> . <i>Marine Drugs</i> , 2019, 17, 419.	2.2	20
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114	Molecular Characterization of ZosmaNRT2, the Putative Sodium Dependent High-Affinity Nitrate Transporter of <i>Zostera marina</i> L.. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3650.	1.8	5
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122	Within- and among-leaf variations in photo-physiological functions, gene expression and DNA methylation patterns in the large-sized seagrass <i>Posidonia oceanica</i> . <i>Marine Biology</i> , 2019, 166, 1.	0.7	46
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143	Development of microsatellite markers for the seagrass <i>Zostera japonica</i> using next-generation sequencing. <i>Molecular Biology Reports</i> , 2019, 46, 1335-1341.	1.0	6
144	Virus-induced gene silencing: empowering genetics in non-model organisms. <i>Journal of Experimental Botany</i> , 2019, 70, 757-770.	2.4	72
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