

Susana M Coelho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

2,138
citations

23
h-index

45
g-index

72
ext. papers

2,655
ext. citations

8.2
avg, IF

4.46
L-index

#	Paper	IF	Citations
61	Chromatin landscape associated with sexual differentiation in a UV sex determination system.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	2
60	An Efficient Chromatin Immunoprecipitation Protocol for the Analysis of Histone Modification Distributions in the Brown Alga <i>Ectocarpus</i> . <i>Methods and Protocols</i> , 2022 , 5, 36	2.5	0
59	Biochemical characteristics of a diffusible factor that induces gametophyte to sporophyte switching in the brown alga <i>Ectocarpus</i> . <i>Journal of Phycology</i> , 2021 , 57, 742-753	3	1
58	Switching it up: algal insights into sexual transitions. <i>Plant Reproduction</i> , 2021 , 34, 287-296	3.9	1
57	Evolution of life cycles and reproductive traits: Insights from the brown algae. <i>Journal of Evolutionary Biology</i> , 2021 , 34, 992-1009	2.3	5
56	Histone modifications during the life cycle of the brown alga <i>Ectocarpus</i> . <i>Genome Biology</i> , 2021 , 22, 12	18.3	9
55	Targeted CRISPR-Cas9-based gene knockouts in the model brown alga <i>Ectocarpus</i> . <i>New Phytologist</i> , 2021 , 231, 2077-2091	9.8	7
54	A partially sex-reversed giant kelp sheds light into the mechanisms of sexual differentiation in a UV sexual system. <i>New Phytologist</i> , 2021 , 232, 252-263	9.8	2
53	instaGRAAL: chromosome-level quality scaffolding of genomes using a proximity ligation-based scaffolder. <i>Genome Biology</i> , 2020 , 21, 148	18.3	11
52	Production and Bioassay of a Diffusible Factor That Induces Gametophyte-to-Sporophyte Developmental Reprogramming in the Brown Alga. <i>Bio-protocol</i> , 2020 , 10, e3753	0.9	1
51	Brown Algal Model Organisms. <i>Annual Review of Genetics</i> , 2020 , 54, 71-92	14.5	7
50	Phylogeny and Evolution of the Brown Algae. <i>Critical Reviews in Plant Sciences</i> , 2020 , 39, 281-321	5.6	31
49	: an evo-devo model for the brown algae. <i>EvoDevo</i> , 2020 , 11, 19	3.2	5
48	Unusual Patterns of Mitochondrial Inheritance in the Brown Alga <i>Ectocarpus</i> . <i>Molecular Biology and Evolution</i> , 2019 , 36, 2778-2789	8.3	3
47	Origin and evolution of sex-determination systems in the brown algae. <i>New Phytologist</i> , 2019 , 222, 1751-1756	18.56	10
46	A key role for sex chromosomes in the regulation of parthenogenesis in the brown alga <i>Ectocarpus</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008211	6	11
45	Algal Sex Determination and the Evolution of Anisogamy. <i>Annual Review of Microbiology</i> , 2019 , 73, 267-291	15	22

44	Rapid turnover of life-cycle-related genes in the brown algae. <i>Genome Biology</i> , 2019 , 20, 35	18.3	17
43	Convergent recruitment of TALE homeodomain life cycle regulators to direct sporophyte development in land plants and brown algae. <i>ELife</i> , 2019 , 8,	8.9	33
42	Genetic Diversity in the UV Sex Chromosomes of the Brown Alga. <i>Genes</i> , 2018 , 9,	4.2	10
41	The Ectocarpus IMMEDIATE UPRIGHT gene encodes a member of a novel family of cysteine-rich proteins with an unusual distribution across the eukaryotes. <i>Development (Cambridge)</i> , 2017 , 144, 409-418	6.6	18
40	Multiple gene movements into and out of haploid sex chromosomes. <i>Genome Biology</i> , 2017 , 18, 104	18.3	31
39	The Algal Revolution. <i>Trends in Plant Science</i> , 2017 , 22, 726-738	13.1	48
38	High-density genetic map and identification of QTLs for responses to temperature and salinity stresses in the model brown alga Ectocarpus. <i>Scientific Reports</i> , 2017 , 7, 43241	4.9	25
37	DISTAG/TBCCd1 Is Required for Basal Cell Fate Determination in. <i>Plant Cell</i> , 2017 , 29, 3102-3122	11.6	12
36	Re-annotation, improved large-scale assembly and establishment of a catalogue of noncoding loci for the genome of the model brown alga Ectocarpus. <i>New Phytologist</i> , 2017 , 214, 219-232	9.8	46
35	Rapid Evolution of microRNA Loci in the Brown Algae. <i>Genome Biology and Evolution</i> , 2017 , 9, 740-749	3.9	15
34	The cell-wall active mannuronan C5-epimerases in the model brown alga Ectocarpus: From gene context to recombinant protein. <i>Glycobiology</i> , 2016 , 26, 973-983	5.8	22
33	The origin and evolution of the sexes: Novel insights from a distant eukaryotic lineage. <i>Comptes Rendus - Biologies</i> , 2016 , 339, 252-7	1.4	9
32	microRNAs and the evolution of complex multicellularity: identification of a large, diverse complement of microRNAs in the brown alga Ectocarpus. <i>Nucleic Acids Research</i> , 2015 , 43, 6384-98	20.1	28
31	Sexual dimorphism and the evolution of sex-biased gene expression in the brown alga ectocarpus. <i>Molecular Biology and Evolution</i> , 2015 , 32, 1581-97	8.3	68
30	The Pseudoautosomal Regions of the U/V Sex Chromosomes of the Brown Alga Ectocarpus Exhibit Unusual Features. <i>Molecular Biology and Evolution</i> , 2015 , 32, 2973-85	8.3	16
29	Genome-wide comparison of ultraviolet and ethyl methanesulphonate mutagenesis methods for the brown alga Ectocarpus. <i>Marine Genomics</i> , 2015 , 24 Pt 1, 109-13	1.9	9
28	Evolution and maintenance of haploid-diploid life cycles in natural populations: The case of the marine brown alga Ectocarpus. <i>Evolution; International Journal of Organic Evolution</i> , 2015 , 69, 1808-22	3.8	36
27	Development of PCR-Based Markers to Determine the Sex of Kelps. <i>PLoS ONE</i> , 2015 , 10, e0140535	3.7	23

26	Emergence of Ectocarpus as a Model System to Study the Evolution of Complex Multicellularity in the Brown Algae. <i>Advances in Marine Genomics</i> , 2015 , 153-162		4
25	A haploid system of sex determination in the brown alga Ectocarpus sp. <i>Current Biology</i> , 2014 , 24, 1945-573		93
24	Evolution and regulation of complex life cycles: a brown algal perspective. <i>Current Opinion in Plant Biology</i> , 2014 , 17, 1-6	9.9	41
23	Gene silencing in Fucus embryos: developmental consequences of RNAi-mediated cytoskeletal disruption. <i>Journal of Phycology</i> , 2013 , 49, 819-29	3	20
22	Non-cell autonomous regulation of life cycle transitions in the model brown alga Ectocarpus. <i>New Phytologist</i> , 2013 , 197, 503-510	9.8	17
21	Isolation and regeneration of protoplasts from Ectocarpus. <i>Cold Spring Harbor Protocols</i> , 2012 , 2012, 361-4	1.2	10
20	Immunostaining of Ectocarpus cells. <i>Cold Spring Harbor Protocols</i> , 2012 , 2012, 369-72	1.2	5
19	Ectocarpus: a model organism for the brown algae. <i>Cold Spring Harbor Protocols</i> , 2012 , 2012, 193-8	1.2	33
18	Genetic crosses between Ectocarpus strains. <i>Cold Spring Harbor Protocols</i> , 2012 , 2012, 262-5	1.2	13
17	How to cultivate Ectocarpus. <i>Cold Spring Harbor Protocols</i> , 2012 , 2012, 258-61	1.2	39
16	Genetic regulation of life cycle transitions in the brown alga Ectocarpus. <i>Plant Signaling and Behavior</i> , 2011 , 6, 1858-60	2.5	8
15	OUROBOROS is a master regulator of the gametophyte to sporophyte life cycle transition in the brown alga Ectocarpus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11518-23	11.5	69
14	Algal models in plant biology. <i>Journal of Experimental Botany</i> , 2011 , 62, 2425-30	7	25
13	A sequence-tagged genetic map for the brown alga Ectocarpus siliculosus provides large-scale assembly of the genome sequence. <i>New Phytologist</i> , 2010 , 188, 42-51	9.8	51
12	Role of endoreduplication and apomeiosis during parthenogenetic reproduction in the model brown alga Ectocarpus. <i>New Phytologist</i> , 2010 , 188, 111-21	9.8	40
11	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. <i>Nature</i> , 2010 , 465, 617-21	50.4	645
10	Cell cycles and endocycles in the model brown seaweed, Ectocarpus siliculosus. <i>Plant Signaling and Behavior</i> , 2010 , 5, 1473-5	2.5	5
9	Development and physiology of the brown alga Ectocarpus siliculosus: two centuries of research. <i>New Phytologist</i> , 2008 , 177, 319-332	9.8	103

8	Life-cycle-generation-specific developmental processes are modified in the immediate upright mutant of the brown alga <i>Ectocarpus siliculosus</i> . <i>Development (Cambridge)</i> , 2008 , 135, 1503-12	6.6	76
7	Complex life cycles of multicellular eukaryotes: new approaches based on the use of model organisms. <i>Gene</i> , 2007 , 406, 152-70	3.8	92
6	Spatiotemporal patterning of reactive oxygen production and Ca(2+) wave propagation in fucus rhizoid cells. <i>Plant Cell</i> , 2002 , 14, 2369-81	11.6	140
5	Chromosome-level quality scaffolding of brown algal genomes using InstaGRAAL, a proximity ligation-based scaffold		2
4	Histone modifications during the life cycle of the brown alga <i>Ectocarpus</i>		3
3	Rapid Turnover of Life-Cycle-Related Genes in the Brown Algae		2
2	Evolution of life cycles and reproductive traits: insights from the brown algae		5
1	A partially sex-reversed giant kelp sheds light into the mechanisms of sexual differentiation in a UV sexual system		1