Jeanine L Olsen

List of Publications by Year
in descending order

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80 papers	4,827 citations	66343 42 h-index	98798 67 g-index
81 all docs	81 docs citations	81 times ranked	4780 citing authors

#	Article	IF	Citations
1	The genome of the seagrass Zostera marina reveals angiosperm adaptation to the sea. Nature, 2016, 530, 331-335.	27.8	460
2	North Atlantic phylogeography and large-scale population differentiation of the seagrass Zostera marina L.. Molecular Ecology, 2004, 13, 1923-1941.	3.9	277
3	Biodiversity mediates topâ€“down control in eelgrass ecosystems: a global comparativeâ€experimental approach. Ecology Letters, 2015, 18, 696-705.	6.4	188
4	Climate change impact on seaweed meadow distribution in the North Atlantic rocky intertidal. Ecology and Evolution, 2013, 3, 1356-1373.	1.9	170
5	Contribution of genetics and genomics to seagrass biology and conservation. Journal of Experimental Marine Biology and Ecology, 2007, 350, 234-259.	1.5	165
6	Low effective population size and evidence for inbreeding in an overexploited flatfish, plaice () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.6	162
7	Phylogeography and population structure of thornback rays (Raja clavata L., Rajidae). Molecular Ecology, 2006, 15, 3693-3705.	3.9	134
8	A REASSESSMENT OF PHYLOGENETIC RELATIONSHIPS WITHIN THE PHAEOPHYCEAE BASED ON RUBISCO LARGE SUBUNIT AND RIBOSOMAL DNA SEQUENCES. Journal of Phycology, 2001, 37, 586-603.	2.3	119
9	BIOGEOGRAPHY OF CLADOPHOROPSIS MEMBRANACEA (CHLOROPHYTA) BASED ON COMPARISONS OF NUCLEAR rDNA ITS SEQUENCES1. Journal of Phycology, 1992, 28, 660-668.	2.3	114
10	PHYLOGENY AND HISTORICAL ECOLOGY OF THE DESMARESTIACEAE (PHAEOPHYCEAE) SUPPORT A SOUTHERN HEMISPHERE ORIGIN1. Journal of Phycology, 1997, 33, 294-309.	2.3	105
11	Evolution of nuclear rDNA its sequences in the Cladophora albida/sericea clade (Chlorophyta). Journal of Molecular Evolution, 1995, 40, 640-651.	1.8	99
12	Stress Ecology in Fucus: Abiotic, Biotic and Genetic Interactions. Advances in Marine Biology, 2011, 59, 37-105.	1.4	95
13	Heteroplasmy and Evidence for Recombination in the Mitochondrial Control Region of the Flatfish Platichthys flesus. Molecular Biology and Evolution, 2002, 19, 2261-2264.	8.9	93
14	The phylogeographic architecture of the fucoid seaweed Ascophyllum nodosum: an intertidal â€˜marine treeâ€™ and survivor of more than one glacialâ€“interglacial cycle. Journal of Biogeography, 2010, 37, 842-856.	3.0	93
15	NUCLEAR RIBOSOMAL DNA INTERNAL TRANSCRIBED SPACER REGIONS (ITS1 AND ITS2) DEFINE DISCRETE BIOGEOGRAPHIC GROUPS IN CLADOPHORA ALBIDA (CHLOROPHYTA)1. Journal of Phycology, 1992, 28, 839-845.	2.3	87
16	Microsatellite loci in eelgrass Zostera marina reveal marked polymorphism within and among populations. Molecular Ecology, 1999, 8, 317-321.	3.9	87
17	A mtDNA-based phylogeny of the brown algal genus Fucus (Heterokontophyta; Phaeophyta). Molecular Phylogenetics and Evolution, 2006, 39, 209-222.	2.7	83
18	Complete mitochondrial genomes of the three brown algae (Heterokonta: Phaeophyceae) Dictyota dichotoma, Fucus vesiculosus and Desmarestia viridis. Current Genetics, 2006, 49, 47-58.	1.7	82

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19	An Expressed Sequence Tag Analysis of the Intertidal Brown Seaweeds Fucus serratus (L.) and F. vesiculosus (L.) (Heterokontophyta, Phaeophyceae) in Response to Abiotic Stressors. Marine Biotechnology, 2010, 12, 195-213.	2.4	77
20	TRACKING DISPERSAL ROUTES: PHYLOGEOGRAPHY OF THE ARCTIC-ANTARCTIC DISJUNCT SEAWEED ACROSIPHONIA ARCTA (CHLOROPHYTA)1. Journal of Phycology, 1994, 30, 67-80.	2.3	73
21	Historical invasions of the intertidal zone of Atlantic North America associated with distinctive patterns of trade and emigration. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8239-8244.	7.1	73
22	Genome-wide transcriptomic responses of the seagrasses Zostera marina and Nanozostera noltii under a simulated heatwave confirm functional types. Marine Genomics, 2014, 15, 65-73.	1.1	68
23	PHYLOGENETIC RELATIONSHIPS OF THE BROWN ALGAL ORDERS ECTOCARPALES, CHORDARIALES, DICTYOSIPHONALES, AND TILOPTERIDALES (PHAEOPHYCEAE) BASED ON RUBISCO LARGE SUBUNIT AND SPACER SEQUENCES. Journal of Phycology, 1998, 34, 1038-1048.	2.3	66
24	GENETIC VARIABILITY AND SPATIAL SEPARATION IN THE SEA PALM KELP POSTELSIA PALMAEFORMIS (PHAEOPHYCEAE) AS ASSESSED WITH M13 FINGERPRINTS AND RAPDS1. Journal of Phycology, 1997, 33, 561-568.	2.3	64
25	18S rDNA AND EVOLUTION IN THE DASYCLADALES (CHLOROPHYTA): MODERN LIVING FOSSILS1. Journal of Phycology, 1994, 30, 729-744.	2.3	62
26	Global phylogeography in the cosmopolitan speciesCladophora vagabunda(Chlorophyta) based on nuclear rDNA internal transcribed spacer sequences. European Journal of Phycology, 1995, 30, 197-208.	2.0	62
27	Differentiating between clonal growth and limited gene flow using spatial autocorrelation of microsatellites. Heredity, 1999, 83, 120-126.	2.6	62
28	Trans-Pacific and trans-Arctic pathways of the intertidal macroalga Fucus distichus L. reveal multiple glacial refugia and colonizations from the North Pacific to the North Atlantic. Journal of Biogeography, 2011, 38, 756-771.	3.0	58
29	Thermal stress resistance of the brown alga Fucus serratus along the North-Atlantic coast: Acclimatization potential to climate change. Marine Genomics, 2014, 13, 27-36.	1.1	57
30	The Cladophora Complex (Chlorophyta): New Views Based on 185 rRNA Gene Sequences. Molecular Phylogenetics and Evolution, 1994, 3, 365-382.	2.7	56
31	Genetic variation within and among North Atlantic and Baltic populations of the benthic algaPhycodrys rubens(Rhodophyta). European Journal of Phycology, 1995, 30, 251-260.	2.0	56
32	Effects of wave exposure and depth on biomass, density and fertility of the fucoid seaweedSargassum polyceratium(Phaeophyta, Sargassaceae). European Journal of Phycology, 2005, 40, 149-158.	2.0	56
33	A fast and inexpensive DNA extraction/purification protocol for brown macroalgae. Molecular Ecology Notes, 2007, 7, 191-193.	1.7	56
34	A FORENSIC AND PHYLOGENETIC SURVEY OF CAULERPA SPECIES (CAULERPALES, CHLOROPHYTA) FROM THE FLORIDA COAST, LOCAL AQUARIUM SHOPS, AND E-COMMERCE: ESTABLISHING A PROACTIVE BASELINE FOR EARLY DETECTION. Journal of Phycology, 2006, 42, 1113-1124.	2.3	55
35	A metaâ€analysis reveals a positive correlation between genetic diversity metrics and environmental status in the longâ€lived seagrass <scp>P</scp>osidonia oceanica. Molecular Ecology, 2015, 24, 2336-2348.	3.9	55
36	A dated molecular phylogeny of manta and devil rays (Mobulidae) based on mitogenome and nuclear sequences. Molecular Phylogenetics and Evolution, 2015, 83, 72-85.	2.7	55

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37	Convergent adaptation to a marginal habitat by homoploid hybrids and polyploid ecads in the seaweed genus Fucus. Biology Letters, 2006, 2, 405-408.	2.3	54
38	Transitions between marine and freshwater environments provide new clues about the origins of multicellular plants and algae. Journal of Phycology, 2017, 53, 731-745.	2.3	54
39	E-commerce and Caulerpa: unregulated dispersal of invasive species. Frontiers in Ecology and the Environment, 2006, 4, 75-79.	4.0	50
40	MEDITERRANEAN CAULERPA TAXIFOLIA AND C. MEXICANA (CHLOROPHYTA) ARE NOT CONSPECIFIC. Journal of Phycology, 1998, 34, 850-856.	2.3	47
41	Analysis of rDNA ITS1 indels inCaulerpa taxifolia(Chlorophyta) supports a derived, incipient species status for the invasive strain. European Journal of Phycology, 2004, 39, 83-92.	2.0	45
42	RECENT RADIATION OF THE PALMARIACEAE (RHODOPHYTA)1. Journal of Phycology, 1996, 32, 457-468.	2.3	43
43	Ventricaria (Siphonocladales-Cladophorales complex, Chlorophyta), a new genus for Valonia ventricosa. Phycologia, 1988, 27, 103-108.	1.4	42
44	Population structure of the thornback ray (Raja clavata L.) in British waters. Journal of Sea Research, 2006, 56, 305-316.	1.6	42
45	Assessing methods for restoration of eelgrass (Zostera marina L.) in a cold temperate region. Journal of Experimental Marine Biology and Ecology, 2016, 479, 76-88.	1.5	42
46	Molecular Systematics of the Green Algae. , 1998, , 508-540.		41
47	Seascape genetics and biophysical connectivity modelling support conservation of the seagrass Zostera marina in the Skagerrakâ€“Kattegat region of the eastern North Sea. Evolutionary Applications, 2018, 11, 645-661.	3.1	40
48	PHYLOGEOGRAPHIC STUDIES IN THE TROPICAL SEAWEED CLADOPHOROPSIS MEMBRANACEA (CHLOROPHYTA, ULVOPHYCEAE) REVEAL A CRYPTIC SPECIES COMPLEX 1. Journal of Phycology, 2002, 38, 572-582.	2.3	36
49	Population structure and historical demography of the thorny skate (Amblyraja radiata, Rajidae) in the North Atlantic. Marine Biology, 2007, 151, 1275-1286.	1.5	36
50	An evaluation of small-scale genetic diversity and the mating system in Zostera noltii on an intertidal sandflat in the Wadden Sea. Annals of Botany, 2011, 107, 127-134.	2.9	33
51	Multiple Paternity Analysis in the Thornback Ray Raja clavata L.. Journal of Heredity, 2007, 98, 712-715.	2.4	31
52	Expressed sequence tags from heat-shocked seagrass Zostera noltii (Hornemann) from its southern distribution range. Marine Genomics, 2011, 4, 181-188.	1.1	29
53	Recent history of the European Nassarius nitidus (Gastropoda): phylogeographic evidence of glacial refugia and colonization pathways. Marine Biology, 2012, 159, 1871-1884.	1.5	29
54	EVOLUTIONARY AND ECOLOGICAL DIFFERENTIATION IN THE PANTROPICAL TO WARM-TEMPERATE SEAWEED DIGENEA SIMPLEX (RHODOPHYTA)1. Journal of Phycology, 1996, 32, 250-257.	2.3	27

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55	Climate Oscillations, Range Shifts and Phylogeographic Patterns of North Atlantic Fucaceae. , 2016, , 279-308.		27
56	Hidden Diversity in Marine Algae: Some Examples of Genetic Variation Below The Species Level. Journal of the Marine Biological Association of the United Kingdom, 1996, 76, 239-242.	0.8	26
57	Postglacial recolonization and the biogeography of Palmaria mollis (Rhodophyta) along the Northeast Pacific coast. Canadian Journal of Botany, 1997, 75, 1887-1896.	1.1	26
58	Improved chromosome-level genome assembly and annotation of the seagrass, Zostera marina (eelgrass). F1000Research, 2021, 10, 289.	1.6	26
59	Life history flexibility allows Sargassum polyceratium to persist in different environments subjected to stochastic disturbance events. Coral Reefs, 2005, 24, 670-680.	2.2	22
60	Clonal architecture in an intertidal bed of the dwarf eelgrass Zostera noltii in the Northern Wadden Sea: persistence through extreme physical perturbation and the importance of a seed bank. Marine Biology, 2009, 156, 2139-2148.	1.5	22
61	The Seagrass Methylome Is Associated With Variation in Photosynthetic Performance Among Clonal Shoots. Frontiers in Plant Science, 2020, 11, 571646.	3.6	21
62	High levels of intra- and inter-individual polymorphism in the rDNA ITS1 of Caulerpa racemosa (Chlorophyta). European Journal of Phycology, 2000, 35, 349-356.	2.0	20
63	Integrating genetics, biophysical, and demographic insights identifies critical sites for seagrass conservation. Ecological Applications, 2020, 30, e02121.	3.8	19
64	Phylogenetic relationships within the Sphacelariales (Phaeophyceae): rbcL, RUBISCO spacer and morphology. European Journal of Phycology, 2002, 37, 385-401.	2.0	17
65	Waterfowl grazing in autumn enhances spring seedling recruitment of intertidal Zostera noltii. Aquatic Botany, 2010, 93, 202-205.	1.6	16
66	Being abundant is not enough: a decrease in effective population size over eight generations in a Norwegian population of the seaweed,Fucus serratus. Biology Letters, 2008, 4, 755-757.	2.3	15
67	PATERNAL LEAKAGE OF MITOCHONDRIAL DNA IN A FUCUS (PHAEOPHYCEAE) HYBRID ZONE¹. Journal of Phycology, 2009, 45, 621-624.	2.3	15
68	Numerous mitigation transplants of the eelgrass Zostera marina in southern California shuffle genetic diversity and may promote hybridization with Zostera pacifica. Biological Conservation, 2014, 176, 133-143.	4.1	15
69	Within-island differentiation and between-island homogeneity: non-equilibrium population structure in the seaweedCladophoropsis membranacea(Chlorophyta) in the Canary Islands. European Journal of Phycology, 2003, 38, 15-23.	2.0	12
70	Predicting risks of invasion of macroalgae in the genus Caulerpa in Florida. Biological Invasions, 2008, 10, 1147-1157.	2.4	12
71	Decadal stability in genetic variation and structure in the intertidal seaweed Fucus serratus (Heterokontophyta: Fucaceae). BMC Evolutionary Biology, 2018, 18, 94.	3.2	10
72	Characterization of single nucleotide polymorphism markers for eelgrass (Zostera marina). Molecular Ecology Resources, 2008, 8, 1429-1435.	4.8	9

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73	The biogeography of community assembly: latitude and predation drive variation in community trait distribution in a guild of epifaunal crustaceans. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20211762.	2.6	9
74	Characterization and isolation of DNA microsatellite primers in Raja clavata L. (thornback ray,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.7	8
75	Studies on Dasyaceae. 3. Towards a phylogeny of the Dasyaceae (Ceramiales, Rhodophyta), based on comparative rbcL gene sequences and morphology. European Journal of Phycology, 1998, 33, 187-201.	2.0	8
76	Formâ€“function relationships in a marine foundation species depend on scale: a shoot to global perspective from a distributed ecological experiment. Oikos, 2018, 127, 364-374.	2.7	7
77	PHYLOGEOGRAPHIC STUDIES IN THE TROPICAL SEAWEED CLADOPHOROPSIS MEMBRANACEA (CHLOROPHYTA, ULVOPHYCEAE) REVEAL A CRYPTIC SPECIES COMPLEX1. Journal of Phycology, 2002, 38, 572-582.	2.3	7
78	Adaptation of Temperate Seagrass to Arctic Light Relies on Seasonal Acclimatization of Carbon Capture and Metabolism. Frontiers in Plant Science, 2021, 12, 745855.	3.6	6
79	Isolation and characterization of twelve microsatellite loci for the Japanese Devilray (Mobula) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.8	4
80	Caulerpa taxifoliain the Mediterranean: Damage Control and Opportunities for New Research. Journal of Phycology, 1997, 33, 1086-1089.	2.3	3