

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 biogeography of community assembly: latitude and predation drive variation in community trait distribution in a guild of epifaunal crustaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20211762.	2.6	9
2	Improved chromosome-level genome assembly and annotation of the seagrass, <i>Zostera marina</i> (eelgrass). <i>F1000Research</i> , 2021, 10, 289.	1.6	26
3	Adaptation of Temperate Seagrass to Arctic Light Relies on Seasonal Acclimatization of Carbon Capture and Metabolism. <i>Frontiers in Plant Science</i> , 2021, 12, 745855.	3.6	6
4	The Seagrass Methyloome Is Associated With Variation in Photosynthetic Performance Among Clonal Shoots. <i>Frontiers in Plant Science</i> , 2020, 11, 571646.	3.6	21
5	Integrating genetics, biophysical, and demographic insights identifies critical sites for seagrass conservation. <i>Ecological Applications</i> , 2020, 30, e02121.	3.8	19
6	Seascape genetics and biophysical connectivity modelling support conservation of the seagrass <i>Zostera marina</i> in the Skagerrak-Kattegat region of the eastern North Sea. <i>Evolutionary Applications</i> , 2018, 11, 645-661.	3.1	40
7	Form-function relationships in a marine foundation species depend on scale: a shoot to global perspective from a distributed ecological experiment. <i>Oikos</i> , 2018, 127, 364-374.	2.7	7
8	Decadal stability in genetic variation and structure in the intertidal seaweed <i>Fucus serratus</i> (Heterokontophyta: Fucaceae). <i>BMC Evolutionary Biology</i> , 2018, 18, 94.	3.2	10
9	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.	2.3	54
10	Assessing methods for restoration of eelgrass (<i>Zostera marina</i> L.) in a cold temperate region. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016, 479, 76-88.	1.5	42
11	The genome of the seagrass <i>Zostera marina</i> reveals angiosperm adaptation to the sea. <i>Nature</i> , 2016, 530, 331-335.	27.8	460
12	Climate Oscillations, Range Shifts and Phylogeographic Patterns of North Atlantic Fucaceae. , 2016, , 279-308.		27
13	Biodiversity mediates top-down control in eelgrass ecosystems: a global comparative experimental approach. <i>Ecology Letters</i> , 2015, 18, 696-705.	6.4	188
14	A meta-analysis reveals a positive correlation between genetic diversity metrics and environmental status in the long-lived seagrass <i>Posidonia oceanica</i> . <i>Molecular Ecology</i> , 2015, 24, 2336-2348.	3.9	55
15	A dated molecular phylogeny of manta and devil rays (Mobulidae) based on mitogenome and nuclear sequences. <i>Molecular Phylogenetics and Evolution</i> , 2015, 83, 72-85.	2.7	55
16	Genome-wide transcriptomic responses of the seagrasses <i>Zostera marina</i> and <i>Nanozostera noltii</i> under a simulated heatwave confirm functional types. <i>Marine Genomics</i> , 2014, 15, 65-73.	1.1	68
17	Thermal stress resistance of the brown alga <i>Fucus serratus</i> along the North-Atlantic coast: Acclimatization potential to climate change. <i>Marine Genomics</i> , 2014, 13, 27-36.	1.1	57
18	Numerous mitigation transplants of the eelgrass <i>Zostera marina</i> in southern California shuffle genetic diversity and may promote hybridization with <i>Zostera pacifica</i> . <i>Biological Conservation</i> , 2014, 176, 133-143.	4.1	15

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19	Climate change impact on seaweed meadow distribution in the North Atlantic rocky intertidal. <i>Ecology and Evolution</i> , 2013, 3, 1356-1373.	1.9	170
20	Recent history of the European <i>Nassarius nitidus</i> (Gastropoda): phylogeographic evidence of glacial refugia and colonization pathways. <i>Marine Biology</i> , 2012, 159, 1871-1884.	1.5	29
21	Stress Ecology in <i>Fucus</i> : Abiotic, Biotic and Genetic Interactions. <i>Advances in Marine Biology</i> , 2011, 59, 37-105.	1.4	95
22	Expressed sequence tags from heat-shocked seagrass <i>Zostera noltii</i> (Hornemann) from its southern distribution range. <i>Marine Genomics</i> , 2011, 4, 181-188.	1.1	29
23	Trans-Pacific and trans-Arctic pathways of the intertidal macroalga <i>Fucus distichus</i> L. reveal multiple glacial refugia and colonizations from the North Pacific to the North Atlantic. <i>Journal of Biogeography</i> , 2011, 38, 756-771.	3.0	58
24	Isolation and characterization of twelve microsatellite loci for the Japanese Devilray (<i>Mobula</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	0.8	4
25	An evaluation of small-scale genetic diversity and the mating system in <i>Zostera noltii</i> on an intertidal sandflat in the Wadden Sea. <i>Annals of Botany</i> , 2011, 107, 127-134.	2.9	33
26	An Expressed Sequence Tag Analysis of the Intertidal Brown Seaweeds <i>Fucus serratus</i> (L.) and <i>F. vesiculosus</i> (L.) (Heterokontophyta, Phaeophyceae) in Response to Abiotic Stressors. <i>Marine Biotechnology</i> , 2010, 12, 195-213.	2.4	77
27	The phylogeographic architecture of the furoid seaweed <i>Ascophyllum nodosum</i> : an intertidal "marine tree" and survivor of more than one glacial-interglacial cycle. <i>Journal of Biogeography</i> , 2010, 37, 842-856.	3.0	93
28	Waterfowl grazing in autumn enhances spring seedling recruitment of intertidal <i>Zostera noltii</i> . <i>Aquatic Botany</i> , 2010, 93, 202-205.	1.6	16
29	Historical invasions of the intertidal zone of Atlantic North America associated with distinctive patterns of trade and emigration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8239-8244.	7.1	73
30	Clonal architecture in an intertidal bed of the dwarf eelgrass <i>Zostera noltii</i> in the Northern Wadden Sea: persistence through extreme physical perturbation and the importance of a seed bank. <i>Marine Biology</i> , 2009, 156, 2139-2148.	1.5	22
31	PATERNAL LEAKAGE OF MITOCHONDRIAL DNA IN A <i>FUCUS</i> (PHAEOPHYCEAE) HYBRID ZONE ¹ . <i>Journal of Phycology</i> , 2009, 45, 621-624.	2.3	15
32	Predicting risks of invasion of macroalgae in the genus <i>Caulerpa</i> in Florida. <i>Biological Invasions</i> , 2008, 10, 1147-1157.	2.4	12
33	Being abundant is not enough: a decrease in effective population size over eight generations in a Norwegian population of the seaweed, <i>Fucus serratus</i> . <i>Biology Letters</i> , 2008, 4, 755-757.	2.3	15
34	Characterization of single nucleotide polymorphism markers for eelgrass (<i>Zostera marina</i>). <i>Molecular Ecology Resources</i> , 2008, 8, 1429-1435.	4.8	9
35	Multiple Paternity Analysis in the Thornback Ray <i>Raja clavata</i> L.. <i>Journal of Heredity</i> , 2007, 98, 712-715.	2.4	31
36	A fast and inexpensive DNA extraction/purification protocol for brown macroalgae. <i>Molecular Ecology Notes</i> , 2007, 7, 191-193.	1.7	56

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37	Contribution of genetics and genomics to seagrass biology and conservation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 350, 234-259.	1.5	165
38	Population structure and historical demography of the thorny skate (<i>Amblyraja radiata</i> , Rajidae) in the North Atlantic. <i>Marine Biology</i> , 2007, 151, 1275-1286.	1.5	36
39	Convergent adaptation to a marginal habitat by homoploid hybrids and polyploid ecads in the seaweed genus <i>Fucus</i> . <i>Biology Letters</i> , 2006, 2, 405-408.	2.3	54
40	Population structure of the thornback ray (<i>Raja clavata</i> L.) in British waters. <i>Journal of Sea Research</i> , 2006, 56, 305-316.	1.6	42
41	E-commerce and <i>Caulerpa</i> : unregulated dispersal of invasive species. <i>Frontiers in Ecology and the Environment</i> , 2006, 4, 75-79.	4.0	50
42	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. <i>Journal of Phycology</i> , 2006, 42, 1113-1124.	2.3	55
43	Phylogeography and population structure of thornback rays (<i>Raja clavata</i> L., Rajidae). <i>Molecular Ecology</i> , 2006, 15, 3693-3705.	3.9	134
44	A mtDNA-based phylogeny of the brown algal genus <i>Fucus</i> (Heterokontophyta; Phaeophyta). <i>Molecular Phylogenetics and Evolution</i> , 2006, 39, 209-222.	2.7	83
45	Complete mitochondrial genomes of the three brown algae (Heterokonta: Phaeophyceae) <i>Dictyota dichotoma</i> , <i>Fucus vesiculosus</i> and <i>Desmarestia viridis</i> . <i>Current Genetics</i> , 2006, 49, 47-58.	1.7	82
46	Characterization and isolation of DNA microsatellite primers in <i>Raja clavata</i> L. (thornback ray,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.7	8
47	Life history flexibility allows <i>Sargassum polyceratum</i> to persist in different environments subjected to stochastic disturbance events. <i>Coral Reefs</i> , 2005, 24, 670-680.	2.2	22
48	Effects of wave exposure and depth on biomass, density and fertility of the furoid seaweed <i>Sargassum polyceratum</i> (Phaeophyta, Sargassaceae). <i>European Journal of Phycology</i> , 2005, 40, 149-158.	2.0	56
49	Low effective population size and evidence for inbreeding in an overexploited flatfish, plaice () Tj ETQq1 1 0.784314 rgBT /Overlock 10 162	2.6	162
50	Analysis of rDNA ITS1 indels in <i>Caulerpa taxifolia</i> (Chlorophyta) supports a derived, incipient species status for the invasive strain. <i>European Journal of Phycology</i> , 2004, 39, 83-92.	2.0	45
51	North Atlantic phylogeography and large-scale population differentiation of the seagrass <i>Zostera marina</i> L.. <i>Molecular Ecology</i> , 2004, 13, 1923-1941.	3.9	277
52	Within-island differentiation and between-island homogeneity: non-equilibrium population structure in the seaweed <i>Cladophoropsis membranacea</i> (Chlorophyta) in the Canary Islands. <i>European Journal of Phycology</i> , 2003, 38, 15-23.	2.0	12
53	Phylogenetic relationships within the Sphacelariales (Phaeophyceae): rbcL, RUBISCO spacer and morphology. <i>European Journal of Phycology</i> , 2002, 37, 385-401.	2.0	17
54	Heteroplasmy and Evidence for Recombination in the Mitochondrial Control Region of the Flatfish <i>Platichthys flesus</i> . <i>Molecular Biology and Evolution</i> , 2002, 19, 2261-2264.	8.9	93

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55	PHYLOGEOGRAPHIC STUDIES IN THE TROPICAL SEAWEED CLADOPHOROPSIS MEMBRANACEA (CHLOROPHYTA, ULVOPHYCEAE) REVEAL A CRYPTIC SPECIES COMPLEX 1. <i>Journal of Phycology</i> , 2002, 38, 572-582.	2.3	36
56	PHYLOGEOGRAPHIC STUDIES IN THE TROPICAL SEAWEED CLADOPHOROPSIS MEMBRANACEA (CHLOROPHYTA, ULVOPHYCEAE) REVEAL A CRYPTIC SPECIES COMPLEX1. <i>Journal of Phycology</i> , 2002, 38, 572-582.	2.3	7
57	A REASSESSMENT OF PHYLOGENETIC RELATIONSHIPS WITHIN THE PHAEOPHYCEAE BASED ON RUBISCO LARGE SUBUNIT AND RIBOSOMAL DNA SEQUENCES. <i>Journal of Phycology</i> , 2001, 37, 586-603.	2.3	119
58	High levels of intra- and inter-individual polymorphism in the rDNA ITS1 of <i>Caulerpa racemosa</i> (Chlorophyta). <i>European Journal of Phycology</i> , 2000, 35, 349-356.	2.0	20
59	Differentiating between clonal growth and limited gene flow using spatial autocorrelation of microsatellites. <i>Heredity</i> , 1999, 83, 120-126.	2.6	62
60	Microsatellite loci in eelgrass <i>Zostera marina</i> reveal marked polymorphism within and among populations. <i>Molecular Ecology</i> , 1999, 8, 317-321.	3.9	87
61	MEDITERRANEAN CAULERPA TAXIFOLIA AND C. MEXICANA (CHLOROPHYTA) ARE NOT CONSPECIFIC. <i>Journal of Phycology</i> , 1998, 34, 850-856.	2.3	47
62	PHYLOGENETIC RELATIONSHIPS OF THE BROWN ALGAL ORDERS ECTOCARPALES, CHORDARIALES, DICTYOSIPHONALES, AND TILOPTERIDALES (PHAEOPHYCEAE) BASED ON RUBISCO LARGE SUBUNIT AND SPACER SEQUENCES. <i>Journal of Phycology</i> , 1998, 34, 1038-1048.	2.3	66
63	Molecular Systematics of the Green Algae. , 1998, , 508-540.		41
64	Studies on Dasyaceae. 3. Towards a phylogeny of the Dasyaceae (Ceramiales, Rhodophyta), based on comparative rbcL gene sequences and morphology. <i>European Journal of Phycology</i> , 1998, 33, 187-201.	2.0	8
65	Postglacial recolonization and the biogeography of <i>Palmaria mollis</i> (Rhodophyta) along the Northeast Pacific coast. <i>Canadian Journal of Botany</i> , 1997, 75, 1887-1896.	1.1	26
66	PHYLOGENY AND HISTORICAL ECOLOGY OF THE DESMARESTIACEAE (PHAEOPHYCEAE) SUPPORT A SOUTHERN HEMISPHERE ORIGIN1. <i>Journal of Phycology</i> , 1997, 33, 294-309.	2.3	105
67	GENETIC VARIABILITY AND SPATIAL SEPARATION IN THE SEA PALM KELP <i>POSTELSIA PALMAEFORMIS</i> (PHAEOPHYCEAE) AS ASSESSED WITH M13 FINGERPRINTS AND RAPDS1. <i>Journal of Phycology</i> , 1997, 33, 561-568.	2.3	64
68	<i>Caulerpa taxifolia</i> in the Mediterranean: Damage Control and Opportunities for New Research. <i>Journal of Phycology</i> , 1997, 33, 1086-1089.	2.3	3
69	Hidden Diversity in Marine Algae: Some Examples of Genetic Variation Below The Species Level. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1996, 76, 239-242.	0.8	26
70	EVOLUTIONARY AND ECOLOGICAL DIFFERENTIATION IN THE PANTROPICAL TO WARM-TEMPERATE SEAWEED <i>DIGENEA SIMPLEX</i> (RHODOPHYTA)1. <i>Journal of Phycology</i> , 1996, 32, 250-257.	2.3	27
71	RECENT RADIATION OF THE PALMARIACEAE (RHODOPHYTA)1. <i>Journal of Phycology</i> , 1996, 32, 457-468.	2.3	43
72	Evolution of nuclear rDNA its sequences in the <i>Cladophora albida/sericea</i> clade (Chlorophyta). <i>Journal of Molecular Evolution</i> , 1995, 40, 640-651.	1.8	99

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73	Genetic variation within and among North Atlantic and Baltic populations of the benthic alga <i>Phycodrys rubens</i> (Rhodophyta). <i>European Journal of Phycology</i> , 1995, 30, 251-260.	2.0	56
74	Global phylogeography in the cosmopolitan species <i>Cladophora vagabunda</i> (Chlorophyta) based on nuclear rDNA internal transcribed spacer sequences. <i>European Journal of Phycology</i> , 1995, 30, 197-208.	2.0	62
75	The <i>Cladophora</i> Complex (Chlorophyta): New Views Based on 18S rRNA Gene Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1994, 3, 365-382.	2.7	56
76	TRACKING DISPERSAL ROUTES: PHYLOGEOGRAPHY OF THE ARCTIC-ANTARCTIC DISJUNCT SEAWEED <i>ACROSIPHONIA ARCTA</i> (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 1994, 30, 67-80.	2.3	73
77	18S rDNA AND EVOLUTION IN THE DASYCLADALES (CHLOROPHYTA): MODERN LIVING FOSSILS1. <i>Journal of Phycology</i> , 1994, 30, 729-744.	2.3	62
78	BIOGEOGRAPHY OF <i>CLADOPHOROPSIS MEMBRANACEA</i> (CHLOROPHYTA) BASED ON COMPARISONS OF NUCLEAR rDNA ITS SEQUENCES1. <i>Journal of Phycology</i> , 1992, 28, 660-668.	2.3	114
79	NUCLEAR RIBOSOMAL DNA INTERNAL TRANSCRIBED SPACER REGIONS (ITS1 AND ITS2) DEFINE DISCRETE BIOGEOGRAPHIC GROUPS IN <i>CLADOPHORA ALBIDA</i> (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 1992, 28, 839-845.	2.3	87
80	<i>Ventricaria</i> (Siphonocladales-Cladophorales complex, Chlorophyta), a new genus for <i>Valonia ventricosa</i> . <i>Phycologia</i> , 1988, 27, 103-108.	1.4	42