Dennis Hedgecock

List of Publications by Year
in descending order

103	8,429	57631	49773
papers	citations	44 h-index	87 g-index

109	109	109	5998
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	No evidence for temporally balanced selection on larval Pacific oysters Crassostrea gigas : a comment on Durland et al . (2021). Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	1.2	3
2	Genetic divergence of selected and wild populations of Pacific oysters (Crassostrea gigas) on the West Coast of North America. Aquaculture, 2021, 530, 735737.	1.7	9
3	Overt and concealed genetic loads revealed by QTL mapping of genotype-dependent viability in the Pacific oyster Crassostrea gigas. Genetics, 2021, 219, .	1.2	11
4	High-Density Linkage Maps Based on Genotyping-by-Sequencing (GBS) Confirm a Chromosome-Level Genome Assembly and Reveal Variation in Recombination Rate for the Pacific OysterCrassostrea gigas. G3: Genes, Genomes, Genetics, 2020, 10, 4691-4705.	0.8	11
5	A scientific name for Pacific oysters. Aquaculture, 2019, 499, 373.	1.7	22
6	Population Genetics of Marine Organisms. , 2019, , 778-783.		2
7	Bayesian hierarchical modeling of yield in incomplete diallel crosses of the Pacific oyster Crassostrea gigas. Aquaculture, 2019, 510, 43-50.	1.7	8
8	Boomâ€andâ€bust production cycles in animal seafood aquaculture. Reviews in Aquaculture, 2019, 11, 1045-1060.	4.6	13
9	Aquaculture genomics, genetics and breeding in the United States: current status, challenges, and priorities for future research. BMC Genomics, 2017, 18, 191.	1.2	155
10	Metabolic cost of calcification in bivalve larvae under experimental ocean acidification. ICES Journal of Marine Science, 2017, 74, 941-954.	1.2	69
11	The Proposed Dropping of the Genus Crassostrea for All Pacific Cupped Oysters and Its Replacement by a New Genus Magallana: A Dissenting View. Journal of Shellfish Research, 2017, 36, 545-547.	0.3	69
12	Genetic inviability is a major driver of type III survivorship in experimental families of a highly fecund marine bivalve. Molecular Ecology, 2016, 25, 895-910.	2.0	64
13	Second-Generation Linkage Maps for the Pacific OysterCrassostrea gigasReveal Errors in Assembly of Genome Scaffolds. G3: Genes, Genomes, Genetics, 2015, 5, 2007-2019.	0.8	80
14	Inheritance of high-resolution melting profiles in assays targeting single nucleotide polymorphisms in protein-coding sequences of the Pacific oyster Crassostrea gigas: Implications for parentage assignment of experimental and commercial broodstocks. Aquaculture, 2015, 437, 127-139.	1.7	16
15	Separating the Nature and Nurture of the Allocation of Energy in Response to Global Change. Integrative and Comparative Biology, 2014, 54, 284-295.	0.9	57
16	The oyster genome reveals stress adaptation and complexity of shell formation. Nature, 2012, 490, 49-54.	13.7	1,966
17	Phenotypic Effects of Cattle Mitochondrial DNA in American Bison. Conservation Biology, 2012, 26, 1130-1136.	2.4	29
18	Aquaculture, the Next Wave of Domestication. , 2012, , 538-548.		6

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19	De Novo Assembly of the Manila Clam Ruditapes philippinarum Transcriptome Provides New Insights into Expression Bias, Mitochondrial Doubly Uniparental Inheritance and Sex Determination. Molecular Biology and Evolution, 2012, 29, 771-786.	3.5	98
20	Sweepstakes Reproductive Success in Highly Fecund Marine Fish and Shellfish: A Review and Commentary. Bulletin of Marine Science, 2011, 87, 971-1002.	0.4	317
21	Quantitative Trait Locus Analysis of Stage-Specific Inbreeding Depression in the Pacific OysterCrassostrea gigas. Genetics, 2011, 189, 1473-1486.	1.2	78
22	Unequal and Genotype-Dependent Expression of Mitochondrial Genes in Larvae of the Pacific Oyster Crassostrea gigas. Biological Bulletin, 2010, 218, 122-131.	0.7	11
23	Sampling properties of the heterozygote-excess estimator of the effective number of breeders. Conservation Genetics, 2010, 11, 759-771.	0.8	16
24	Inbreeding depression and growth heterosis in larvae of the purple sea urchin Stronglyocentrotus purpuratus (Stimpson). Journal of Experimental Marine Biology and Ecology, 2010, 384, 68-75.	0.7	19
25	Determining parentage and relatedness from genetic markers sheds light on patterns of marine larval dispersal. Molecular Ecology, 2010, 19, 845-847.	2.0	15
26	Sex Determination: Genetic Models for Oysters. Journal of Heredity, 2010, 101, 602-611.	1.0	43
27	Understanding How Disease and Environment Combine to Structure Resistance in Estuarine Bivalve Populations. Oceanography, 2009, 22, 212-231.	0.5	39
28	Centromere mapping in triploid families of the Pacific oyster Crassostrea gigas (Thunberg). Aquaculture, 2009, 288, 172-183.	1.7	37
29	The Kumamoto Oyster Crassostrea sikamea is Neither Rare nor Threatened by Hybridization in the Northern Ariake Sea, Japan. Journal of Shellfish Research, 2008, 27, 313-322.	0.3	32
30	Transcriptomic analysis of growth heterosis in larval Pacific oysters (Crassostrea gigas). Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2313-2318.	3.3	124
31	Heterosis for yield and crossbreeding of the Pacific oyster Crassostrea gigas. Aquaculture, 2007, 272, S17-S29.	1.7	112
32	Assessing genetic diversity of protected coho salmon (Oncorhynchus kisutch) populations in California. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 30-42.	0.7	13
33	Genetic Risks of Marine Hatchery Enhancement: The Good, the Bad, and the Unknown. , 2007, , 85-101.		11
34	Genetic Approaches to Measuring Connectivity. Oceanography, 2007, 20, 70-79.	0.5	230
35	Detection of mitochondrial DNA from domestic cattle in bison on Santa Catalina Island. Animal Genetics, 2007, 38, 410-412.	0.6	5
36	Small effective number of parents (Nb) inferred for a naturally spawned cohort of juvenile European flat oysters Ostrea edulis. Marine Biology, 2007, 150, 1173-1182.	0.7	116

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37	Physiological bases of genetically determined variation in growth of marine invertebrate larvae: A study of growth heterosis in the bivalve Crassostrea gigas. Journal of Experimental Marine Biology and Ecology, 2006, 335, 188-209.	0.7	83
38	Estimation of Preferential Pairing Rates in Second-Generation Autotetraploid Pacific Oysters (Crassostrea gigas). Genetics, 2005, 171, 855-859.	1.2	28
39	Eight microsatellite loci for the Pacific oyster Crassostrea gigas. Animal Genetics, 2005, 36, 050826015523002-???.	0.6	14
40	THE CASE FOR SEQUENCING THE PACIFIC OYSTER GENOME. Journal of Shellfish Research, 2005, 24, 429-441.	0.3	96
41	Predicting Lawsuits against Nursing Homes in the United States, 1997-2001. Health Services Research, 2004, 39, 1713-1732.	1.0	23
42	Linkage Maps of Microsatellite DNA Markers for the Pacific Oyster Crassostrea gigasWe dedicate this study to the memory of Will Borgenson, who reared and cared for the parents of the mapping families.. Genetics, 2004, 168, 351-362.	1.2	188
43	Characterization of 79 microsatellite DNA markers in the Pacific oyster Crassostrea gigas. Molecular Ecology Notes, 2003, 3, 228-232.	1.7	160
44	Genomic approaches to understanding heterosis and improving yield of Pacific oysters. , 2003, , 73-83.		1
45	Evolution of a Perfect Simple Sequence Repeat Locus in the Context of Its Flanking Sequence. Molecular Biology and Evolution, 2002, 19, 1943-1951.	3.5	24
46	High Genetic Load in the Pacific Oyster Crassostrea gigas. Genetics, 2001, 159, 255-265.	1.2	276
47	The impact of supplementation in winter-run chinook salmon on effective population size. , 2000, 91, 112-116.		70
48	Effective population size of winter-run chinook salmon based on microsatellite analysis of returning spawners. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 2368-2373.	0.7	39
49	Analysis of microsatellite DNA resolves genetic structure and diversity of chinook salmon (Oncorhynchus tshawytscha) in CaliforniaÂ's Central Valley. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 915-927.	0.7	90
50	Analysis of microsatellite DNA resolves genetic structure and diversity of chinook salmon (Oncorhynchus tshawytscha) in California's Central Valley. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 915-927.	0.7	81
51	Isolation and inheritance of novel microsatellites in Chinook Salmon (Oncorhynchus tschawytscha). , 1999, 90, 281-288.		283
52	Occurrence of the Kumamoto oyster Crassostrea sikamea in the Ariake Sea, Japan. Marine Biology, 1999, 133, 65-68.	0.7	56
53	Feeding behaviour and metabolic efficiency contribute to growth heterosis in Pacific oysters [Crassostrea gigas (Thunberg)]. Journal of Experimental Marine Biology and Ecology, 1999, 233, 115-130.	0.7	69
54	Genetic basis of opine dehydrogenase activities in the Pacific oyster, Crassostrea gigas. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 251-255.	0.7	2

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55	Genetic heterogeneity, detected by PCR-SSCP, among samples of larval Pacific oysters (Crassostrea) Tj ETQq1 1 0.784314 rgBT /O Fisheries and Aquatic Sciences, 1998, 55, 1025-1033.	0.7	166
56	Genetic Determinants of Protandric Sex in the Pacific Oyster, Crassostrea gigas Thunberg. Evolution; International Journal of Organic Evolution, 1998, 52, 394.	1.1	73
57	GENETIC DETERMINANTS OF PROTANDRIC SEX IN THE PACIFIC OYSTER,CRASSOSTREA GIGASTHUNBERG. Evolution; International Journal of Organic Evolution, 1998, 52, 394-402.	1.1	77
58	Fixation, Segregation and Linkage of Allozyme Loci in Inbred Families of the Pacific Oyster Crassostrea gigas (Thunberg): Implications for the Causes of Inbreeding Depression. Genetics, 1997, 146, 321-334.	1.2	64
59	Genetic effects of artificial propagation: signals from wild and hatchery populations of red abalone in California. Aquaculture, 1996, 143, 257-266.	1.7	47
60	Quantitative and molecular genetic analyses of heterosis in bivalve molluscs. Journal of Experimental Marine Biology and Ecology, 1996, 203, 49-59.	0.7	90
61	THE CUPPED OYSTER AND THE PACIFIC OYSTER. , 1995, , 115-137.		10
62	Hybrid vigor in Pacific oysters: an experimental approach using crosses among inbred lines. Aquaculture, 1995, 137, 285-298.	1.7	126
63	Effective Population Size in Winter-Run Chinook Salmon. Conservation Biology, 1995, 9, 615-624.	2.4	68
64	Conservation Biology of Endangered Pacific Salmonids: Introductory Remarks. Conservation Biology, 1994, 8, 863-864.	2.4	13
65	Gametic incompatibility and genetic divergence of Pacific and Kumamoto oysters, Crassostrea gigas and C. sikamea. Marine Biology, 1994, 121, 127-135.	0.7	63
66	Effective Population Size in Winter-Run Chinook Salmon. Conservation Biology, 1994, 8, 890-892.	2.4	19
67	Morphogenesis of Maternal and Paternal Genomes in Fertilized Oyster Eggs (Crassostrea gigas): Effects of Cytochalasin B at Different Periods During Meiotic Maturation. Biological Bulletin, 1993, 185, 197-214.	0.7	36
68	Sex-ratios and sex-determination in progeny from crosses of surgically sex-reversed freshwater prawns, Macrobrachium rosenbergii. Aquaculture, 1992, 105, 201-218.	1.7	103
69	Effective population numbers of shellfish broodstocks estimated from temporal variance in allelic frequencies. Aquaculture, 1992, 108, 215-232.	1.7	148
70	Sardine and anchovy regime fluctuations of abundance in four regions of the world oceans: a workshop report. Fisheries Oceanography, 1992, 1, 339-347.	0.9	178
71	Genetic drift and effective population sizes of hatchery-propagated stocks of the Pacific oyster, Crassostrea gigas. Aquaculture, 1990, 88, 21-38.	1.7	176
72	Comparison of Larval and Adult Stages of Chthamalus dalli and Chthamalus fissus (Cirripedia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.3	27

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73	Factors Influencing Egg Extrusion in the American Lobster (Homarus americanus). Canadian Journal of Fisheries and Aquatic Sciences, 1988, 45, 797-804.	0.7	16
74	Photoperiod-induced changes in hemolymph vitellogenins in female lobsters (Homarus americanus). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1988, 90, 809-821.	0.2	8
75	Effects of Reproduction upon Molting and Growth in Female American Lobsters (Homarus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.7	15
76	Fishery Biology: Population Genetics and Fishery Management.. Science, 1987, 237, 1236-1236.	6.0	2
77	Genetic evidence of self-fertilization in the sea anemone Epiactis prolifera. Marine Biology, 1984, 84, 175-182.	0.7	26
78	Photoperiodic and Ecdysial Control of Vitellogenesis in Lobsters (Homarus) (Decapoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.7	25
79	On the nature of short-range growth inhibition in juvenile lobsters (Homarus). Journal of Experimental Marine Biology and Ecology, 1983, 72, 83-98.	0.7	13
80	Size-dependence of growth inhibition among juvenile lobsters (Homarus). Journal of Experimental Marine Biology and Ecology, 1983, 66, 125-134.	0.7	19
81	Pichia pseudocactophila, a new species of yeast occurring in necrotic tissue of columnar cacti in the North American Sonoran Desert. Canadian Journal of Microbiology, 1983, 29, 1314-1322.	0.8	21
82	EXAMINATION OF SPERMATOPHORE PRODUCTION BY LABORATORYâ€MAINTAINED LOBSTERS (Homarus). Journal of the World Aquaculture Society, 1983, 14, 269-278.	0.2	6
83	Biochemical genetic evidence for a third species of Metridium (Coelenterata: Actiniaria). Marine Biology, 1982, 66, 1-7.	0.7	60
84	Enzyme Polymorphism and Adaptive Strategy in the Decapod Crustacea. American Naturalist, 1980, 116, 238-280.	1.0	131
85	DENSITY-DEPENDENT GROWTH INHIBITION IN LOBSTERS,HOMARUS(DECAPODA, NEPHROPIDAE). Biological Bulletin, 1980, 159, 162-176.	0.7	26
86	POPULATION SUBDIVISION AND GENETIC DIVERGENCE IN THE REDâ€BELLIED NEWT, TARICHA RIVULARIS. Evolution; International Journal of Organic Evolution, 1978, 32, 271-286.	1.1	31
87	Population Subdivision and Genetic Divergence in the Red-Bellied Newt, Taricha rivularis. Evolution; International Journal of Organic Evolution, 1978, 32, 271.	1.1	11
88	GENIC SIMILARITY OF AMERICAN AND EUROPEAN SPECIES OF THE LOBSTERHOMARUS. Biological Bulletin, 1977, 152, 41-50.	0.7	62
89	BIOCHEMICAL GENETIC MARKERS FOR BROODSTOCK IDENTIFICATION IN AQUACULTURE¹. Proceedings of the Annual Meeting - World Mariculture Society, 1977, 8, 523-531.	0.1	7
90	Electrophoretic Evidence of Multiple Paternity in the Lobster Homarus americanus (Milne-Edwards). American Naturalist, 1977, 111, 361-365.	1.0	37

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91	Applications of Biochemical Genetics to Aquaculture. Journal of the Fisheries Research Board of Canada, 1976, 33, 1108-1119.	1.0	41
92	Genetic variation in two widespread species of salamanders, Taricha granulosa and Taricha torosa. Biochemical Genetics, 1976, 14, 561-576.	0.8	16
93	DEEP-SEA ASTEROIDS: HIGH GENETIC VARIABILITY IN A STABLE ENVIRONMENT. Evolution; International Journal of Organic Evolution, 1975, 29, 203-212.	1.1	49
94	Biochemical Genetics of Lobsters (Homarus) II. Inheritance of allozymes in H. americanus. Journal of Heredity, 1975, 66, 114-118.	1.0	16
95	Deep-Sea Asteroids: High Genetic Variability in a Stable Environment. Evolution; International Journal of Organic Evolution, 1975, 29, 203.	1.1	33
96	Biochemical Genetics of Lobsters: Genetic Variation and the Structure of American Lobster (Homarus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	147
97	Evolutionary Divergence in the Genus Taricha (Salamandridae). Copeia, 1974, 1974, 738.	1.4	43
98	Genetic Differentiation During the Speciation Process in Drosophila. Evolution; International Journal of Organic Evolution, 1974, 28, 576.	1.1	80
99	GENETIC DIFFERENTIATION DURING THE SPECIATION PROCESS IN DROSOPHILA. Evolution; International Journal of Organic Evolution, 1974, 28, 576-592.	1.1	253
100	Genetic Variation in Tridacna maxima, an Ecological Analog of Some Unsuccessful Evolutionary Lineages. Evolution; International Journal of Organic Evolution, 1973, 27, 177.	1.1	64
101	GENETIC VARIATION INTRIDACNA MAXIMA, AN ECOLOGICAL ANALOG OF SOME UNSUCCESSFUL EVOLUTIONARY LINEAGES. Evolution; International Journal of Organic Evolution, 1973, 27, 177-191.	1.1	101
102	Mass Extinctions and Genetic Polymorphism in the â€œKiller Clam,â€•Tridacna. Bulletin of the Geological Society of America, 1973, 84, 3411.	1.6	9
103	Bivalve Genomics: Complications, Challenges, and Future Perspectives. , 0, , 525-544.		16