Carl Andre

List of Publications by Year
in descending order

102 papers	5,330 citations	87888 38 h-index	91884 69 g-index
108 all docs	108 docs citations	108 times ranked	5595 citing authors

#	Article	IF	Citations
1	INVITED REVIEW: Life on the margin: genetic isolation and diversity loss in a peripheral marine ecosystem, the Baltic Sea. Molecular Ecology, 2006, 15, 2013-2029.	3.9	458
2	Fine-scaled geographical population structuring in a highly mobile marine species: the Atlantic cod. Molecular Ecology, 2003, 12, 385-394.	3.9	316
3	Power for detecting genetic divergence: differences between statistical methods and marker loci. Molecular Ecology, 2006, 15, 2031-2045.	3.9	215
4	Biocomplexity in a highly migratory pelagic marine fish, Atlantic herring. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1459-1464.	2.6	205
5	DISENTANGLING THE EFFECTS OF EVOLUTIONARY, DEMOGRAPHIC, AND ENVIRONMENTAL FACTORS INFLUENCING GENETIC STRUCTURE OF NATURAL POPULATIONS: ATLANTIC HERRING AS A CASE STUDY. Evolution; International Journal of Organic Evolution, 2009, 63, 2939-2951.	2.3	183
6	Adaptation to Low Salinity Promotes Genomic Divergence in Atlantic Cod (Gadus morhua L.). Genome Biology and Evolution, 2015, 7, 1644-1663.	2.5	167
7	PARALLEL EVOLUTION OF LOCAL ADAPTATION AND REPRODUCTIVE ISOLATION IN THE FACE OF GENE FLOW. Evolution; International Journal of Organic Evolution, 2014, 68, 935-949.	2.3	165
8	Are low but statistically significant levels of genetic differentiation in marine fishes â€˜biologically meaningfulâ€™? A case study of coastal Atlantic cod. Molecular Ecology, 2011, 20, 768-783.	3.9	164
9	Repeated evolution of reproductive isolation in a marine snail: unveiling mechanisms of speciation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1735-1747.	4.0	151
10	Shared and nonshared genomic divergence in parallel ecotypes of <scp>L</scp>ittorina saxatilis at a local scale. Molecular Ecology, 2016, 25, 287-305.	3.9	142
11	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. Molecular Ecology, 2017, 26, 4452-4466.	3.9	130
12	Detecting population structure in a high gene-flow species, Atlantic herring (Clupea harengus): direct, simultaneous evaluation of neutral vs putatively selected loci. Heredity, 2011, 106, 270-280.	2.6	126
13	Adult-larval interactions in the suspension-feeding bivalves Cerastoderma edule and Mya arenaria. Marine Ecology - Progress Series, 1991, 71, 227-234.	1.9	125
14	Swimming behaviour of marine bivalve larvae in a flume boundary-layer flow: evidence for near-bottom confinement. Marine Ecology - Progress Series, 1991, 79, 67-76.	1.9	116
15	Lobster and cod benefit from small-scale northern marine protected areas: inference from an empirical beforeâ€“after control-impact study. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122679.	2.6	92
16	Seed rafting as a dispersal strategy for eelgrass (Zostera marina). Aquatic Botany, 2008, 88, 148-153.	1.6	91
17	The Future of Baltic Sea Populations: Local Extinction or Evolutionary Rescue?. Ambio, 2011, 40, 179-190.	5.5	87
18	Transport of North Sea cod larvae into the Skagerrak coastal populations. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1337-1344.	2.6	86

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19	Glacial History of the North Atlantic Marine Snail, Littorina saxatilis, Inferred from Distribution of Mitochondrial DNA Lineages. PLoS ONE, 2011, 6, e17511.	2.5	84
20	Haemoglobin polymorphisms affect the oxygen-binding properties in Atlantic cod populations. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 833-841.	2.6	79
21	Oceanographic connectivity and environmental correlates of genetic structuring in Atlantic herring in the Baltic Sea. Evolutionary Applications, 2013, 6, 549-567.	3.1	69
22	Concordance of allozyme and microsatellite differentiation in a marine fish, but evidence of selection at a microsatellite locus. Molecular Ecology, 2007, 16, 1135-1147.	3.9	68
23	Identification of subpopulations from connectivity matrices. Ecography, 2012, 35, 1004-1016.	4.5	68
24	Disentangling structural genomic and behavioural barriers in a sea of connectivity. Molecular Ecology, 2019, 28, 1394-1411.	3.9	68
25	North Sea herring population structure revealed by microsatellite analysis. Marine Ecology - Progress Series, 2005, 303, 245-257.	1.9	67
26	Ancient DNA reveals the Arctic origin of Viking Age cod from Haithabu, Germany. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9152-9157.	7.1	66
27	Transport of recently settled soft-shell clams (Mya arenaria L.) in laboratory flume flow. Journal of Experimental Marine Biology and Ecology, 1995, 187, 13-26.	1.5	63
28	A Darwinian Laboratory of Multiple Contact Zones. Trends in Ecology and Evolution, 2020, 35, 1021-1036.	8.7	63
29	Genetically distinct populations of northern shrimp, Pandalus borealis, in the North Atlantic: adaptation to different temperatures as an isolation factor. Molecular Ecology, 2015, 24, 1742-1757.	3.9	58
30	Temporally stable genetic structure of heavily exploited Atlantic herring (Clupea harengus) in Swedish waters. Heredity, 2010, 104, 40-51.	2.6	57
31	Migratory behaviour and otolith chemistry suggest fine-scale sub-population structure within a genetically homogenous Atlantic Cod population. Environmental Biology of Fishes, 2010, 89, 383-397.	1.0	56
32	Genotypic and phenotypic differences between Baltic and North Sea populations of Mytilus edulis evaluated through reciprocal transplantations. III. Physiology. Marine Ecology - Progress Series, 1990, 59, 221-227.	1.9	53
33	Fine-scale spatial genetic structure and clonal distribution of the cold-water coral Lophelia pertusa. Coral Reefs, 2012, 31, 1135-1148.	2.2	52
34	Extreme Female Promiscuity in a Non-Social Invertebrate Species. PLoS ONE, 2010, 5, e9640.	2.5	52
35	Ecological and genetic impact of Atlantic cod larval drift in the Skagerrak. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1085-1092.	2.6	50
36	Genetic biodiversity in the Baltic Sea: species-specific patterns challenge management. Biodiversity and Conservation, 2013, 22, 3045-3065.	2.6	50

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37	Population structure in Atlantic cod in the eastern North Sea-Skagerrak-Kattegat: early life stage dispersal and adult migration. BMC Research Notes, 2016, 9, 63.	1.4	49
38	Whole mitochondrial genome scan for population structure and selection in the Atlantic herring. BMC Evolutionary Biology, 2012, 12, 248.	3.2	47
39	Stable coexistence of genetically divergent Atlantic cod ecotypes at multiple spatial scales. Evolutionary Applications, 2018, 11, 1527-1539.	3.1	47
40	Conservation, Spillover and Gene Flow within a Network of Northern European Marine Protected Areas. PLoS ONE, 2013, 8, e73388.	2.5	40
41	High Levels of Multiple Paternity in Littorina saxatilis: Hedging the Bets?. Journal of Heredity, 2007, 98, 705-711.	2.4	39
42	Cleaner fish escape salmon farms and hybridize with local wrasse populations. Royal Society Open Science, 2018, 5, 171752.	2.4	39
43	Dynamics of Seagrass Meadows on the Swedish Skagerrak Coast. Ambio, 2009, 38, 85-88.	5.5	38
44	Importance of plasticity and local adaptation for coping with changing salinity in coastal areas: a test case with barnacles in the Baltic Sea. BMC Evolutionary Biology, 2014, 14, 156.	3.2	37
45	Environmental correlates of population differentiation in Atlantic herring. Evolution; International Journal of Organic Evolution, 2005, 59, 2656-68.	2.3	36
46	Molecular Characterization of the Î±-Subunit of Na+/K+ ATPase from the Euryhaline Barnacle Balanus improvisus Reveals Multiple Genes and Differential Expression of Alternative Splice Variants. PLoS ONE, 2013, 8, e77069.	2.5	31
47	Activity patterns of wild European lobster Homarus gammarus in coastal marine reserves: implications for future reserve design. Marine Ecology - Progress Series, 2011, 429, 197-207.	1.9	30
48	Postâ€glacial establishment of locally adapted fish populations over a steep salinity gradient. Journal of Evolutionary Biology, 2021, 34, 138-156.	1.7	28
49	Imprints from genetic drift and mutation imply relative divergence times across marine transition zones in a pan-European small pelagic fish (Sprattus sprattus). Heredity, 2012, 109, 96-107.	2.6	27
50	Analysis of aquaporins from the euryhaline barnacle Balanus improvisus reveals differential expression in response to changes in salinity. PLoS ONE, 2017, 12, e0181192.	2.5	27
51	Fertilization efficiency and gamete viability of a sessile, free-spawning bivalve,Cerastoderma edule. Ophelia, 1995, 43, 215-227.	0.3	26
52	Assessing SNP-markers to study population mixing and ecological adaptation in Baltic cod. PLoS ONE, 2019, 14, e0218127.	2.5	24
53	Genetic mixed-stock analysis of Atlantic herring populations in a mixed feeding area. Marine Ecology - Progress Series, 2011, 442, 187-199.	1.9	24
54	Field and laboratory experiments on interactions among an infaunal polychaete, Nereis diversicolor, and two amphipods, Corophium volutator & C. arenarium: effects on survival, recruitment and migration. Journal of Experimental Marine Biology and Ecology, 1993, 168, 259-278.	1.5	23

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55	Species and gene divergence in Littorina snails detected by array comparative genomic hybridization. BMC Genomics, 2014, 15, 687.	2.8	23
56	Genetic analysis of goldsinny wrasse reveals evolutionary insights into population connectivity and potential evidence of inadvertent translocation via aquaculture. ICES Journal of Marine Science, 2017, 74, 2135-2147.	2.5	23
57	Stabilizing selection on Atlantic cod supergenes through a millennium of extensive exploitation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	22
58	Characterization of six microsatellite loci in the Baltic blue mussel Mytilus trossulus and cross-species amplification in North Sea Mytilus edulis. Conservation Genetics, 2008, 9, 1003-1005.	1.5	21
59	Microsatellite cross-species amplification in the genus Littorina and detection of null alleles in Littorina saxatilis. Journal of Molluscan Studies, 2008, 74, 111-117.	1.2	21
60	Divergent origins of sympatric herring population components determined using genetic mixture analysis. Marine Ecology - Progress Series, 2007, 337, 187-196.	1.9	21
61	The impact of the brown shrimp Crangon crangon l. on soft-bottom meiofauna: an experimental approach. Ophelia, 1991, 34, 41-49.	0.3	20
62	The Effect of Multiple Paternity on Genetic Diversity of Small Populations during and after Colonisation. PLoS ONE, 2013, 8, e75587.	2.5	20
63	The Story of a Hitchhiker: Population Genetic Patterns in the Invasive Barnacle Balanus(Amphibalanus) improvisus Darwin 1854. PLoS ONE, 2016, 11, e0147082.	2.5	20
64	Demographic history has shaped the strongly differentiated corkwing wrasse populations in Northern Europe. Molecular Ecology, 2020, 29, 160-171.	3.9	20
65	Island isolation and habitat heterogeneity correlate with DNA variation in a marine snail (Littorina) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	19
66	Does population genetic structure support present management regulations of the northern shrimp (Pandalus borealis) in Skagerrak and the North Sea?. ICES Journal of Marine Science, 2015, 72, 863-871.	2.5	19
67	Recent decline in cod stocks in the North Seaâ€“Skagerrakâ€“Kattegat shifts the sources of larval supply. Fisheries Oceanography, 2016, 25, 210-228.	1.7	19
68	Reduced Genetic Diversity and Increased Structure in American Mink on the Swedish Coast following Invasive Species Control. PLoS ONE, 2016, 11, e0157972.	2.5	19
69	Genetic differentiation on multiple spatial scales in an ecotype-forming marine snail with limited dispersal: Littorina saxatilis. Biological Journal of the Linnean Society, 2008, 94, 31-40.	1.6	17
70	Spatial genetic structure in a crustacean herbivore highlights the need for local considerations in Baltic Sea biodiversity management. Evolutionary Applications, 2020, 13, 974-990.	3.1	17
71	The Littorina sequence database (LSD) â€“ an online resource for genomic data. Molecular Ecology Resources, 2012, 12, 142-148.	4.8	15
72	Non-random paternity of offspring in a highly promiscuous marine snail suggests postcopulatory sexual selection. Behavioral Ecology and Sociobiology, 2016, 70, 1357-1366.	1.4	15

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73	Lack of spatial genetic variation in the edible crab (Cancer pagurus) in the Kattegatâ€“Skagerrak area. ICES Journal of Marine Science, 2009, 66, 462-469.	2.5	14
74	Larval group differentiation in Atlantic cod (Gadus morhua) inside and outside the Gullmar Fjord. Fisheries Research, 2008, 90, 9-16.	1.7	13
75	A continuous genome assembly of the corkwing wrasse (Symphodus melops). Genomics, 2018, 110, 399-403.	2.9	13
76	Combining population genomics with demographic analyses highlights habitat patchiness and larval dispersal as determinants of connectivity in coastal fish species. Molecular Ecology, 2022, 31, 2562-2577.	3.9	13
77	Development of twelve novel microsatellite loci in the European lobster (Homarus gammarus). Conservation Genetics Resources, 2010, 2, 233-236.	0.8	12
78	Population genomics of parallel evolution in gene expression and gene sequence during ecological adaptation. Scientific Reports, 2018, 8, 16147.	3.3	12
79	Genotype Reconstruction of Paternity in European Lobsters (Homarus gammarus). PLoS ONE, 2015, 10, e0139585.	2.5	12
80	Polymorphism, selection and tandem duplication of transferrin genes in Atlantic cod (Gadus morhua) - Conserved synteny between fish monolobal and tetrapod bilobal transferrin loci. BMC Genetics, 2011, 12, 51.	2.7	11
81	Fluorescent microparticles: A new way of visualizing sedimentation and larval settlement. Limnology and Oceanography, 1991, 36, 1471-1476.	3.1	10
82	Local cod (Gadus morhua) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coast. ICES Journal of Marine Science, 2019, 76, 418-429.	2.5	10
83	Not that clean: Aquacultureâ€mediated translocation of cleaner fish has led to hybridization on the northern edge of the species' range. Evolutionary Applications, 2021, 14, 1572-1587.	3.1	10
84	Population structure and phylogeography of two North Atlantic Littorina species with contrasting larval development. Marine Biology, 2021, 168, 1.	1.5	10
85	â€œA cleaner breakâ€• Genetic divergence between geographic groups and sympatric phenotypes revealed in ballan wrasse (Labrus bergylta). Ecology and Evolution, 2020, 10, 6120-6135.	1.9	9
86	Wrasse fishery on the Swedish West Coast: towards ecosystem-based management. ICES Journal of Marine Science, 2021, 78, 1386-1397.	2.5	9
87	Physical and numerical modeling of the role of hydrodynamic processes on adult-larval interactions of a suspension-feeding bivalve. Journal of Marine Research, 2002, 60, 499-516.	0.3	8
88	ENVIRONMENTAL CORRELATES OF POPULATION DIFFERENTIATION IN ATLANTIC HERRING. Evolution; International Journal of Organic Evolution, 2005, 59, 2656.	2.3	8
89	Origin and route of establishment of the invasive Pacific oyster Crassostrea gigas in Scandinavia. Marine Ecology - Progress Series, 2017, 575, 95-105.	1.9	7
90	Isolation and characterization of nuclear microsatellite loci in the northern shrimp, Pandalus borealis. Conservation Genetics Resources, 2012, 4, 109-112.	0.8	6

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91	Large and fine scale population structure in European hake (Merluccius merluccius) in the Northeast Atlantic. ICES Journal of Marine Science, 2017, 74, 1300-1310.	2.5	6
92	Salinity dependence in the marine mud snails Hydrobia ulvae and Hydrobia ventrosa. Journal of the Marine Biological Association of the United Kingdom, 2001, 81, 651-654.	0.8	5
93	Genome wide analysis reveals genetic divergence between Goldsinny wrasse populations. BMC Genetics, 2020, 21, 118.	2.7	5
94	The conserved Phe GH5 of importance for hemoglobin intersubunit contact is mutated in gadoid fish. BMC Evolutionary Biology, 2014, 14, 54.	3.2	4
95	Multiple paternity: determining the minimum number of sires of a large brood. Molecular Ecology Resources, 2010, 10, 282-291.	4.8	3
96	Characterization of a major histocompatibility class II A gene (ClhaâEDAA) with an embedded microsatellite marker in Atlantic herring (Clupea harengus L.). Journal of Fish Biology, 2008, 73, 367-381.	1.6	2
97	Development of 10 microsatellite loci in the ling (Molva molva). Molecular Ecology Resources, 2009, 9, 1401-1403.	4.8	2
98	Single nucleotide polymorphisms are suitable for assessing the success of restocking efforts of the European lobster (Homarus gammarus, L.). Conservation Genetics Resources, 2022, 14, 47-52.	0.8	2
99	Characterization of new EST-linked microsatellites in the rough periwinkle (Littorina saxatilis) and application for parentage analysis. Journal of Molluscan Studies, 2013, 79, 369-371.	1.2	1
100	Towards a sustainable fishery and use of cleaner fish in salmonid aquaculture. TemaNord, 0, , .	1.3	1
101	Recovery of former fish productivity: philopatric behaviors put depleted stocks in an unforeseen deadlock. , 0, , 232-247.		0
102	Response to comments by Cardinale et al. on â€œLocal cod (Gadus morhua) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coastâ€•by SvedÃng et al. (2019). ICES Journal of Marine Science, 2019, 76, 1212-1213.	2.5	0