

Carl Andr

List of Publications by Year in descending order

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83
papers

3,988
citations

132226

32
h-index

133910

59
g-index

92
all docs

92
docs citations

92
times ranked

5017
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. <i>Molecular Ecology</i> , 2006, 15, 2013-2029.	3.6	461
2	Power for detecting genetic divergence: differences between statistical methods and marker loci. <i>Molecular Ecology</i> , 2006, 15, 2031-2045.	3.6	218
3	Biocomplexity in a highly migratory pelagic marine fish, Atlantic herring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1459-1464.	2.8	210
4	Adaptation to Low Salinity Promotes Genomic Divergence in Atlantic Cod (<i>Gadus morhua</i> L.). <i>Genome Biology and Evolution</i> , 2015, 7, 1644-1663.	2.6	173
5	PARALLEL EVOLUTION OF LOCAL ADAPTATION AND REPRODUCTIVE ISOLATION IN THE FACE OF GENE FLOW. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 935-949.	2.3	171
6	Repeated evolution of reproductive isolation in a marine snail: unveiling mechanisms of speciation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 1735-1747.	4.2	157
7	Shared and nonshared genomic divergence in parallel ecotypes of <i>Littorina saxatilis</i> at a local scale. <i>Molecular Ecology</i> , 2016, 25, 287-305.	3.6	145
8	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. <i>Molecular Ecology</i> , 2017, 26, 4452-4466.	3.6	136
9	Lobster and cod benefit from small-scale northern marine protected areas: inference from an empirical before-after control-impact study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122679.	2.8	97
10	The Future of Baltic Sea Populations: Local Extinction or Evolutionary Rescue?. <i>Ambio</i> , 2011, 40, 179-190.	5.8	92
11	Glacial History of the North Atlantic Marine Snail, <i>Littorina saxatilis</i> , Inferred from Distribution of Mitochondrial DNA Lineages. <i>PLoS ONE</i> , 2011, 6, e17511.	2.5	88
12	Transport of North Sea cod larvae into the Skagerrak coastal populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1337-1344.	2.8	87
13	Disentangling structural genomic and behavioural barriers in a sea of connectivity. <i>Molecular Ecology</i> , 2019, 28, 1394-1411.	3.6	76
14	Oceanographic connectivity and environmental correlates of genetic structuring in Atlantic herring in the Baltic Sea. <i>Evolutionary Applications</i> , 2013, 6, 549-567.	3.2	72
15	Concordance of allozyme and microsatellite differentiation in a marine fish, but evidence of selection at a microsatellite locus. <i>Molecular Ecology</i> , 2007, 16, 1135-1147.	3.6	71
16	Identification of subpopulations from connectivity matrices. <i>Ecography</i> , 2012, 35, 1004-1016.	4.7	71
17	Ancient DNA reveals the Arctic origin of Viking Age cod from Haithabu, Germany. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9152-9157.	7.6	71
18	A Darwinian Laboratory of Multiple Contact Zones. <i>Trends in Ecology and Evolution</i> , 2020, 35, 1021-1036.	8.8	70

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19	Transport of recently settled soft-shell clams (<i>Mya arenaria</i> L.) in laboratory flume flow. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 187, 13-26.	1.5	63
20	Genetically distinct populations of northern shrimp, <i>Pandalus borealis</i> , in the North Atlantic: adaptation to different temperatures as an isolation factor. <i>Molecular Ecology</i> , 2015, 24, 1742-1757.	3.6	62
21	Migratory behaviour and otolith chemistry suggest fine-scale sub-population structure within a genetically homogenous Atlantic Cod population. <i>Environmental Biology of Fishes</i> , 2010, 89, 383-397.	1.1	56
22	Extreme Female Promiscuity in a Non-Social Invertebrate Species. <i>PLoS ONE</i> , 2010, 5, e9640.	2.5	55
23	Stable coexistence of genetically divergent Atlantic cod ecotypes at multiple spatial scales. <i>Evolutionary Applications</i> , 2018, 11, 1527-1539.	3.2	53
24	Ecological and genetic impact of Atlantic cod larval drift in the Skagerrak. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1085-1092.	2.8	51
25	Genetic biodiversity in the Baltic Sea: species-specific patterns challenge management. <i>Biodiversity and Conservation</i> , 2013, 22, 3045-3065.	2.5	51
26	Whole mitochondrial genome scan for population structure and selection in the Atlantic herring. <i>BMC Evolutionary Biology</i> , 2012, 12, 248.	3.1	49
27	Population structure in Atlantic cod in the eastern North Sea-Skagerrak-Kattegat: early life stage dispersal and adult migration. <i>BMC Research Notes</i> , 2016, 9, 63.	1.4	49
28	Conservation, Spillover and Gene Flow within a Network of Northern European Marine Protected Areas. <i>PLoS ONE</i> , 2013, 8, e73388.	2.5	42
29	Cleaner fish escape salmon farms and hybridize with local wrasse populations. <i>Royal Society Open Science</i> , 2018, 5, 171752.	2.5	40
30	High Levels of Multiple Paternity in <i>Littorina saxatilis</i> : Hedging the Bets?. <i>Journal of Heredity</i> , 2007, 98, 705-711.	2.5	39
31	Dynamics of Seagrass Meadows on the Swedish Skagerrak Coast. <i>Ambio</i> , 2009, 38, 85-88.	5.8	38
32	Importance of plasticity and local adaptation for coping with changing salinity in coastal areas: a test case with barnacles in the Baltic Sea. <i>BMC Evolutionary Biology</i> , 2014, 14, 156.	3.1	38
33	Molecular Characterization of the α -Subunit of Na ⁺ /K ⁺ ATPase from the Euryhaline Barnacle <i>Balanus improvisus</i> Reveals Multiple Genes and Differential Expression of Alternative Splice Variants. <i>PLoS ONE</i> , 2013, 8, e77069.	2.5	34
34	Activity patterns of wild European lobster <i>Homarus gammarus</i> in coastal marine reserves: implications for future reserve design. <i>Marine Ecology - Progress Series</i> , 2011, 429, 197-207.	1.9	30
35	Fertilization efficiency and gamete viability of a sessile, free-spawning bivalve, <i>Cerastoderma edule</i> . <i>Ophelia</i> , 1995, 43, 215-227.	0.3	27
36	The Story of a Hitchhiker: Population Genetic Patterns in the Invasive Barnacle <i>Balanus</i> (<i>Amphibalanus</i>) <i>improvisus</i> Darwin 1854. <i>PLoS ONE</i> , 2016, 11, e0147082.	2.5	27

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37	Analysis of aquaporins from the euryhaline barnacle <i>Balanus improvisus</i> reveals differential expression in response to changes in salinity. <i>PLoS ONE</i> , 2017, 12, e0181192.	2.5	27
38	Species and gene divergence in <i>Littorina</i> snails detected by array comparative genomic hybridization. <i>BMC Genomics</i> , 2014, 15, 687.	2.9	25
39	Stabilizing selection on Atlantic cod supergenes through a millennium of extensive exploitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.6	25
40	Assessing SNP-markers to study population mixing and ecological adaptation in Baltic cod. <i>PLoS ONE</i> , 2019, 14, e0218127.	2.5	24
41	Genetic mixed-stock analysis of Atlantic herring populations in a mixed feeding area. <i>Marine Ecology - Progress Series</i> , 2011, 442, 187-199.	1.9	24
42	Field and laboratory experiments on interactions among an infaunal polychaete, <i>Nereis diversicolor</i> , and two amphipods, <i>Corophium volutator</i> & <i>C. arenarium</i> : effects on survival, recruitment and migration. <i>Journal of Experimental Marine Biology and Ecology</i> , 1993, 168, 259-278.	1.5	23
43	Genetic analysis of goldsinny wrasse reveals evolutionary insights into population connectivity and potential evidence of inadvertent translocation via aquaculture. <i>ICES Journal of Marine Science</i> , 2017, 74, 2135-2147.	2.5	23
44	The Effect of Multiple Paternity on Genetic Diversity of Small Populations during and after Colonisation. <i>PLoS ONE</i> , 2013, 8, e75587.	2.5	21
45	Recent decline in cod stocks in the North Sea "Skagerrak" Kattegat shifts the sources of larval supply. <i>Fisheries Oceanography</i> , 2016, 25, 210-228.	1.7	21
46	Demographic history has shaped the strongly differentiated corkwing wrasse populations in Northern Europe. <i>Molecular Ecology</i> , 2020, 29, 160-171.	3.6	21
47	Divergent origins of sympatric herring population components determined using genetic mixture analysis. <i>Marine Ecology - Progress Series</i> , 2007, 337, 187-196.	1.9	21
48	Island isolation and habitat heterogeneity correlate with DNA variation in a marine snail (<i>Littorina</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	19
49	Does population genetic structure support present management regulations of the northern shrimp (<i>Pandalus borealis</i>) in Skagerrak and the North Sea?. <i>ICES Journal of Marine Science</i> , 2015, 72, 863-871.	2.5	19
50	Reduced Genetic Diversity and Increased Structure in American Mink on the Swedish Coast following Invasive Species Control. <i>PLoS ONE</i> , 2016, 11, e0157972.	2.5	19
51	Spatial genetic structure in a crustacean herbivore highlights the need for local considerations in Baltic Sea biodiversity management. <i>Evolutionary Applications</i> , 2020, 13, 974-990.	3.2	18
52	Genetic differentiation on multiple spatial scales in an ecotype-forming marine snail with limited dispersal: <i>Littorina saxatilis</i> . <i>Biological Journal of the Linnean Society</i> , 2008, 94, 31-40.	1.6	17
53	The <i>Littorina</i> sequence database (LSD) " an online resource for genomic data. <i>Molecular Ecology Resources</i> , 2012, 12, 142-148.	5.0	17
54	Non-random paternity of offspring in a highly promiscuous marine snail suggests postcopulatory sexual selection. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 1357-1366.	1.5	17

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55	Combining population genomics with demographic analyses highlights habitat patchiness and larval dispersal as determinants of connectivity in coastal fish species. <i>Molecular Ecology</i> , 2022, 31, 2562-2577.	3.6	16
56	Population dynamics of Baltic herring since the Viking Age revealed by ancient DNA and genomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.6	16
57	Lack of spatial genetic variation in the edible crab (<i>Cancer pagurus</i>) in the Kattegat–Skagerrak area. <i>ICES Journal of Marine Science</i> , 2009, 66, 462-469.	2.5	14
58	A continuous genome assembly of the corkwing wrasse (<i>Symphodus melops</i>). <i>Genomics</i> , 2018, 110, 399-403.	2.9	14
59	Population genomics of parallel evolution in gene expression and gene sequence during ecological adaptation. <i>Scientific Reports</i> , 2018, 8, 16147.	3.4	14
60	Larval group differentiation in Atlantic cod (<i>Gadus morhua</i>) inside and outside the Gullmar Fjord. <i>Fisheries Research</i> , 2008, 90, 9-16.	1.9	13
61	Development of twelve novel microsatellite loci in the European lobster (<i>Homarus gammarus</i>). <i>Conservation Genetics Resources</i> , 2010, 2, 233-236.	0.8	12
62	Polymorphism, selection and tandem duplication of transferrin genes in Atlantic cod (<i>Gadus morhua</i>) - Conserved synteny between fish monolobal and tetrapod bilobal transferrin loci. <i>BMC Genetics</i> , 2011, 12, 51.	2.7	12
63	Population structure and phylogeography of two North Atlantic <i>Littorina</i> species with contrasting larval development. <i>Marine Biology</i> , 2021, 168, 1.	1.5	12
64	Genotype Reconstruction of Paternity in European Lobsters (<i>Homarus gammarus</i>). <i>PLoS ONE</i> , 2015, 10, e0139585.	2.5	12
65	Local cod (<i>Gadus morhua</i>) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coast. <i>ICES Journal of Marine Science</i> , 2019, 76, 418-429.	2.5	11
66	“A cleaner break” Genetic divergence between geographic groups and sympatric phenotypes revealed in ballan wrasse (<i>Labrus bergylta</i>). <i>Ecology and Evolution</i> , 2020, 10, 6120-6135.	1.9	11
67	Not that clean: Aquaculture-mediated translocation of cleaner fish has led to hybridization on the northern edge of the species' range. <i>Evolutionary Applications</i> , 2021, 14, 1572-1587.	3.2	11
68	Fluorescent microparticles: A new way of visualizing sedimentation and larval settlement. <i>Limnology and Oceanography</i> , 1991, 36, 1471-1476.	3.5	10
69	ENVIRONMENTAL CORRELATES OF POPULATION DIFFERENTIATION IN ATLANTIC HERRING. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2656.	2.3	9
70	Large and fine scale population structure in European hake (<i>Merluccius merluccius</i>) in the Northeast Atlantic. <i>ICES Journal of Marine Science</i> , 2017, 74, 1300-1310.	2.5	9
71	Wrasse fishery on the Swedish West Coast: towards ecosystem-based management. <i>ICES Journal of Marine Science</i> , 2021, 78, 1386-1397.	2.5	9
72	Physical and numerical modeling of the role of hydrodynamic processes on adult-larval interactions of a suspension-feeding bivalve. <i>Journal of Marine Research</i> , 2002, 60, 499-516.	0.3	8

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73	Origin and route of establishment of the invasive Pacific oyster <i>Crassostrea gigas</i> in Scandinavia. <i>Marine Ecology - Progress Series</i> , 2017, 575, 95-105.	1.9	8
74	Isolation and characterization of nuclear microsatellite loci in the northern shrimp, <i>Pandalus borealis</i> . <i>Conservation Genetics Resources</i> , 2012, 4, 109-112.	0.8	6
75	Genome wide analysis reveals genetic divergence between Goldsinny wrasse populations. <i>BMC Genetics</i> , 2020, 21, 118.	2.7	6
76	Salinity dependence in the marine mud snails <i>Hydrobia ulvae</i> and <i>Hydrobia ventrosa</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2001, 81, 651-654.	0.9	5
77	The conserved Phe GH5 of importance for hemoglobin intersubunit contact is mutated in gadoid fish. <i>BMC Evolutionary Biology</i> , 2014, 14, 54.	3.1	4
78	Development of 10 microsatellite loci in the ling (<i>Molva molva</i>). <i>Molecular Ecology Resources</i> , 2009, 9, 1401-1403.	5.0	2
79	Single nucleotide polymorphisms are suitable for assessing the success of restocking efforts of the European lobster (<i>Homarus gammarus</i> , L.). <i>Conservation Genetics Resources</i> , 2022, 14, 47-52.	0.8	2
80	Recovery of former fish productivity: philopatric behaviors put depleted stocks in an unforeseen deadlock. , 0, , 232-247.		0
81	Response to comments by Cardinale et al. on "Local cod (<i>Gadus morhua</i>) revealed by egg surveys and population genetic analysis after longstanding depletion on the Swedish Skagerrak coast" by SvedÅng et al. (2019). <i>ICES Journal of Marine Science</i> , 2019, 76, 1212-1213.	2.5	0
82	Evidence of hybridization between genetically distinct Baltic cod stocks during peak population abundance(s). <i>Evolutionary Applications</i> , 2023, 16, 1359-1376.	3.2	0
83	Unlocking the secret life of blue mussels: Exploring connectivity in the Skagerrak through biophysical modeling and population genomics. <i>Evolutionary Applications</i> , 2024, 17, .	3.2	0