Roman Wenne

List of Publications by Year
in descending order

77 papers	2,193 citations	172207 29 h-index	276539 41 g-index
78 all docs	78 docs citations	78 times ranked	1919 citing authors

#	Article	IF	Citations
1	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. Research Ideas and Outcomes, 0, 2, e11321.	1.0	154
2	Evidence for Recombination of mtDNA in the Marine Mussel Mytilus trossulus from the Baltic. Molecular Biology and Evolution, 2003, 20, 388-392.	3.5	113
3	Genetic differentiation in hatchery and wild sea trout (Salmo trutta) in the Southern Baltic at microsatellite loci. Aquaculture, 2002, 204, 493-506.	1.7	69
4	Comparative Genomics of Marine Mussels (Mytilus spp.) Gender Associated mtDNA: Rapidly Evolving atp8. Journal of Molecular Evolution, 2010, 71, 385-400.	0.8	64
5	Introgression and mitochondrial DNA heteroplasmy in the Baltic populations of mussels Mytilus trossulus and M. edulis. Marine Biology, 2006, 149, 1371-1385.	0.7	59
6	Distribution of Mytilus taxa in European coastal areas as inferred from molecular markers. Journal of Sea Research, 2011, 65, 224-234.	0.6	59
7	Native and invasive taxa on the Pacific coast of South America: Impacts on aquaculture, traceability and biodiversity of blue mussels (Mytilus spp.). Evolutionary Applications, 2018, 11, 298-311.	1.5	54
8	A first report on coexistence and hybridization of Mytilus trossulus and M. edulis mussels in Greenland. Polar Biology, 2016, 39, 343-355.	0.5	52
9	Identification and validation of novel SNP markers in European populations of marine Mytilus mussels. Marine Biology, 2012, 159, 1347-1362.	0.7	51
10	New SNP markers reveal largely concordant clinal variation across the hybrid zone between Mytilus spp. in the Baltic Sea. Aquatic Biology, 2014, 21, 25-36.	0.5	51
11	Mitochondrial DNA lineages in the European populations of mussels (Mytilus spp.). Marine Biology, 2004, 146, 79-92.	0.7	50
12	Genetic biodiversity in the Baltic Sea: species-specific patterns challenge management. Biodiversity and Conservation, 2013, 22, 3045-3065.	1.2	50
13	Doubly Uniparental Inheritance Is Associated With High Polymorphism for Rearranged and Recombinant Control Region Haplotypes in Baltic Mytilus trossulus. Genetics, 2006, 174, 1081-1094.	1.2	49
14	What role for genomics in fisheries management and aquaculture?. Aquatic Living Resources, 2007, 20, 241-255.	0.5	49
15	Complete sequences of mitochondrial genomes from the Baltic mussel Mytilus trossulus. Gene, 2007, 406, 191-198.	1.0	49
16	Scottish Mytilus trossulus mussels retain ancestral mitochondrial DNA: Complete sequences of male and female mtDNA genomes. Gene, 2010, 456, 45-53.	1.0	49
17	Invasive blue mussels threaten regional scale genetic diversity in mainland and remote offshore locations: the need for baseline data and enhanced protection in the Southern Ocean. Global Change Biology, 2016, 22, 3182-3195.	4.2	49
18	Single nucleotide polymorphisms in native South American Atlantic coast populations of smooth shelled mussels: hybridization with invasive European Mytilus galloprovincialis. Genetics Selection Evolution, 2018, 50, 5.	1.2	48

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19	Mitochondrial DNA heteroplasmy in European populations of the mussel Mytilus trossulus. Marine Biology, 1995, 122, 619-624.	0.7	46
20	Mitogenomics of recombinant mitochondrial genomes of Baltic Sea Mytilus mussels. Molecular Genetics and Genomics, 2014, 289, 1275-1287.	1.0	45
21	Molecular population genetics of male and female mitochondrial genomes in European mussels Mytilus. Marine Biology, 2009, 156, 913-925.	0.7	41
22	Molecular population genetics of male and female mitochondrial genomes in subarctic Mytilus trossulus. Marine Biology, 2013, 160, 1709-1721.	0.7	40
23	Differential introgression of mitochondrial DNA across species boundaries within the marine mussel genus Mytilus. Proceedings of the Royal Society B: Biological Sciences, 1995, 262, 51-56.	1.2	39
24	Recombination in Mitochondrial DNA of European Mussels Mytilus. Journal of Molecular Evolution, 2008, 67, 377-388.	0.8	37
25	Genetic composition of cultured and wild mussels Mytilus from The Netherlands and transfers from Ireland and Great Britain. Aquaculture, 2009, 287, 292-296.	1.7	36
26	Genetic differentiation of brackish water populations of cod Gadus morhua in the southern Baltic, inferred from genotyping using SNP-arrays. Marine Genomics, 2015, 19, 17-22.	0.4	36
27	Trans-Atlantic Distribution and Introgression as Inferred from Single Nucleotide Polymorphism: Mussels Mytilus and Environmental Factors. Genes, 2020, 11, 530.	1.0	36
28	De novo assembly of the sea trout (Salmo trutta m. trutta) skin transcriptome to identify putative genes involved in the immune response and epidermal mucus secretion. PLoS ONE, 2017, 12, e0172282.	1.1	34
29	A Marine Biodiversity Observation Network for Genetic Monitoring of Hard-Bottom Communities (ARMS-MBON). Frontiers in Marine Science, 2020, 7, .	1.2	34
30	Molecular identification of European flounder (Platichthys flesus) and its hybrids with European plaice (Pleuronectes platessa). ICES Journal of Marine Science, 2009, 66, 902-906.	1.2	33
31	Doubly uniparental transmission of mitochondrial DNA length variants in the mussel Mytilus trossulus. Marine Biology, 2003, 142, 455-460.	0.7	29
32	Genetic affinities of the bivalve Macoma balthica from the Pacific coast of North America: evidence for recent introduction and historical distribution. Marine Biology, 1989, 102, 235-241.	0.7	28
33	A comparison of condition indices of Macoma Balthica (L.) from the northern and southern baltic sea. Journal of Sea Research, 1989, 23, 45-55.	1.0	27
34	Glacial history of the European marine mussels Mytilus, inferred from distribution of mitochondrial DNA lineages. Heredity, 2014, 113, 250-258.	1.2	27
35	Random forest assessment of correlation between environmental factors and genetic differentiation of populations: Case of marine mussels Mytilus. Oceanologia, 2019, 61, 131-142.	1.1	27
36	Genotyping of two populations of Southern Baltic Sea trout Salmo trutta m. trutta using an Atlantic salmon derived SNP-array. Marine Genomics, 2013, 9, 25-32.	0.4	26

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37	Single nucleotide polymorphism markers with applications in aquaculture and assessment of its impact on natural populations. Aquatic Living Resources, 2018, 31, 2.	0.5	26
38	Lipid composition and storage in the tissues of the bivalve, Macoma balthica. Biochemical Systematics and Ecology, 1989, 17, 583-587.	0.6	24
39	Mitochondrial DNA variation in populations of the mussel Mytilus trossulus from the Southern Baltic. Hydrobiologia, 2003, 499, 1-12.	1.0	21
40	Cryptic diversity in smooth-shelled mussels on Southern Ocean islands: connectivity, hybridisation and a marine invasion. Frontiers in Zoology, 2019, 16, 32.	0.9	21
41	Mantle transcriptome sequencing of Mytilus spp. and identification of putative biomineralization genes. PeerJ, 2019, 6, e6245.	0.9	21
42	The re-appearance of the Mytilus spp. complex in Svalbard, Arctic, during the Holocene: The case for an arrival by anthropogenic flotsam. Global and Planetary Change, 2021, 202, 103502.	1.6	19
43	Concentration of uranium and thorium in molluscs inhabiting GdaÅ„sk Bay, Baltic sea. Science of the Total Environment, 1987, 65, 191-202.	3.9	18
44	Microsatellite DNA Polymorphism in Intensely Enhanced Populations of Sea Trout (Salmo trutta) in the Southern Baltic. Marine Biotechnology, 2003, 5, 234-243.	1.1	18
45	Genetic differentiation of southeast Baltic populations of sea trout inferred from single nucleotide polymorphisms. Animal Genetics, 2014, 45, 96-104.	0.6	18
46	Transcriptome analysis of gill tissue of Atlantic cod Gadus morhua L. from the Baltic Sea. Marine Genomics, 2015, 23, 37-40.	0.4	18
47	Adaptation to salinity in Atlantic cod from different regions of the Baltic Sea. Journal of Experimental Marine Biology and Ecology, 2016, 478, 62-67.	0.7	18
48	Gross biochemical composition of the bivalve Macoma balthica from the Gulf of GdaÅ„sk (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	15
49	Ecology and genetics of Mytilus galloprovincialis: A threat to bivalve aquaculture in southern Brazil. Aquaculture, 2021, 540, 736753.	1.7	14
50	Anatomical distribution of lipids and sterols in Macoma balthica (L.). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1986, 85, 135-137.	0.2	13
51	Microgeographic differentiation in the lipid composition of the bivalve Macoma balthica from the Gulf of GdaÅ„sk (Southern Baltic). Marine Biology, 1986, 91, 27-31.	0.7	13
52	Recent genetic changes in enhanced populations of sea trout (Salmo truttam.trutta) in the southern Baltic rivers revealed with SNP analysis. Aquatic Living Resources, 2016, 29, 103.	0.5	13
53	Restitution and genetic differentiation of salmon populations in the southern Baltic genotyped with the Atlantic salmon 7K SNP array. Genetics Selection Evolution, 2015, 47, 39.	1.2	12
54	Genetic diversity within sea trout population from an intensively stocked southern Baltic river, based on microsatellite <scp>DNA</scp> analysis. Fisheries Management and Ecology, 2014, 21, 398-409.	1.0	11

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55	Identification of multiple diagnostic SNP loci for differentiation of three salmonid species using SNP-arrays. Marine Genomics, 2014, 15, 5-6.	0.4	11
56	Alternatively spliced variants in Atlantic cod (Gadus morhua) support response to variable salinity environment. Scientific Reports, 2018, 8, 11607.	1.6	11
57	Mytilus trossulus in NW Greenland is genetically more similar to North Pacific than NW Atlantic populations of the species. Marine Biodiversity, 2019, 49, 1053-1059.	0.3	11
58	Family of Tc1-like elements from fish genomes and horizontal transfer. Gene, 2007, 390, 243-251.	1.0	10
59	SNP genotyping reveals substructuring in weakly differentiated populations of Atlantic cod (Gadus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	10
60	Mitochondrial DNA variation in sea trout from coastal rivers in the southern Baltic region. ICES Journal of Marine Science, 2001, 58, 230-237.	1.2	9
61	Variation in the copy number of tandem repeats of mitochondrial DNA in the North-East Atlantic cod populations. Marine Biology Research, 2009, 5, 186-192.	0.3	9
62	Combined threats to native smooth-shelled mussels (genus Mytilus) in Australia: bioinvasions and hybridization. Zoological Journal of the Linnean Society, 2022, 194, 1194-1211.	1.0	9
63	Seasonal changes in condition and lipids composition of the bivalve Macoma balthica L. from the gulf of GdaÅ„sk (Southern Baltic). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1987, 88, 881-885.	0.2	7
64	SNP Arrays for Species Identification in Salmonids. Methods in Molecular Biology, 2016, 1452, 97-111.	0.4	7
65	Genetic Differentiation in Hatchery and Stocked Populations of Sea Trout in the Southern Baltic: Selection Evidence at SNP Loci. Genes, 2020, 11, 184.	1.0	7
66	Molecular genetic differentiation of native populations of Mediterranean blue mussels,Mytilus galloprovincialisLamarck, 1819, and the relationship with environmental variables. , 2022, 89, 755-784.		7
67	The genetic relationship between extirpated and contemporary Atlantic salmon Salmo salar L. lines from the southern Baltic Sea. Genetics Selection Evolution, 2016, 48, 29.	1.2	6
68	Provenance of Mytilus food products in Europe using SNP genetic markers. Aquaculture, 2022, 554, 738135.	1.7	5
69	The application of microarray technology to the identification of Tc1-like element sequences in fish genomes. Marine Biology Research, 2011, 7, 466-477.	0.3	4
70	Complete male mitochondrial genomes of EuropeanMytilus edulismussels. Mitochondrial DNA, 2016, 27, 1-2.	0.6	4
71	Microarray analysis of gene expression of Atlantic cod from different Baltic Sea regions: Adaptation to salinity. Marine Genomics, 2019, 48, 100681.	0.4	4
72	Identification of a Tc1-like transposon integration site in the genome of the flounder (Platichthys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	2

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73	The genetic approach for assessing sea trout stock enhancement efficiency â€“ An example from the Vistula River. Archives of Polish Fisheries, 2017, 25, 65-75.	0.6	2
74	A comment on Giusti et al. (2020) â€œMussels (Mytilus spp.) products authentication: A case study on the Italian market confirms issues in species identification and arises concern on commercial names attribution, Food Control Volume 118, December 2020, 107, 379â€• Food Control, 2021, 121, 107626.	2.8	2
75	Sterol composition of marine bivalves from the genus Macoma. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1990, 97, 81-82.	0.2	1
76	Phylogeography of Southern Hemisphere Blue Mussels of the Genus Mytilus: Evolution, Biosecurity, Aquaculture and Food Labelling. , 2021, , 139-228.		1
77	Seasonal changes in content and composition of sterols in the tissues of the bivalve Macoma balthica. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1989, 93, 711-713.	0.2	0