Carmen Bouza

List of Publications by Year in descending order

93 papers	2,914 citations	126907 33 h-index	197818 49 g-index
97 all docs	97 docs citations	97 times ranked	1988 citing authors

#	Article	IF	Citations
1	Whole genome sequencing of turbot (Scophthalmus maximus; Pleuronectiformes): a fish adapted to demersal life. DNA Research, 2016, 23, 181-192.	3.4	150
2	Identification of the Major Sex-Determining Region of Turbot (Scophthalmus maximus). Genetics, 2009, 183, 1443-1452.	2.9	109
3	A Microsatellite Genetic Map of the Turbot (Scophthalmus maximus). Genetics, 2007, 177, 2457-2467.	2.9	93
4	Detection of growth-related QTL in turbot (Scophthalmus maximus). BMC Genomics, 2011, 12, 473.	2.8	86
5	Gene Expression Profiles of the Spleen, Liver, and Head Kidney in Turbot (Scophthalmus maximus) Along the Infection Process with Aeromonas salmonicida Using an Immune-Enriched Oligo-microarray. Marine Biotechnology, 2011, 13, 1099-1114.	2.4	79
6	QTL detection for Aeromonas salmonicida resistance related traits in turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	2.8	78
7	Genetic structure of brown trout, Salmo trutta L., at the southern limit of the distribution range of the anadromous form. Molecular Ecology, 1999, 8, 1991-2001.	3.9	70
8	Genetic monitoring of supportive breeding in brown trout (Salmo truttaL.), using microsatellite DNA markers. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 2130-2139.	1.4	65
9	Potential sources of error in parentage assessment of turbot (Scophthalmus maximus) using microsatellite loci. Aquaculture, 2004, 242, 119-135.	3.5	63
10	An Expressed Sequence Tag (EST)-enriched genetic map of turbot (Scophthalmus maximus): a useful framework for comparative genomics across model and farmed teleosts. BMC Genetics, 2012, 13, 54.	2.7	62
11	Uncovering <scp>QTL</scp> for resistance and survival time to <scp>P</scp>hilasterides dicentrarchi in turbot (<scp>S</scp>cophthalmus maximus). Animal Genetics, 2013, 44, 149-157.	1.7	62
12	Expressed sequence tags (ESTs) from immune tissues of turbot (Scophthalmus maximus) challenged with pathogens. BMC Veterinary Research, 2008, 4, 37.	1.9	61
13	Allozyme and microsatellite diversity in natural and domestic populations of turbot (Scophthalmus) Tj ETQq1 1 0.784314 rgBT /Overlock Sciences, 2002, 59, 1460-1473.	1.4	60
14	Centromere-linkage in the turbot (Scophthalmus maximus) through half-tetrad analysis in diploid meiogynogenetics. Aquaculture, 2008, 280, 81-88.	3.5	60
15	Karotypic characterization of turbot (Scophthalmus maximus) with conventional, fluorochrome and restriction endonuclease-banding techniques. Marine Biology, 1994, 120, 609-613.	1.5	59
16	Cytogenetical characterization of hatchery stocks and natural populations of Sea and Brown Trout from northwestern Spain. Heredity, 1991, 66, 9-17.	2.6	57
17	Identification of Quantitative Trait Loci Associated with Resistance to Viral Haemorrhagic Septicaemia (VHS) in Turbot (Scophthalmus maximus): A Comparison Between Bacterium, Parasite and Virus Diseases. Marine Biotechnology, 2014, 16, 265-276.	2.4	54
18	Parallel evolution and adaptation to environmental factors in a marine flatfish: Implications for fisheries and aquaculture management of the turbot (Scophthalmus maximus). Evolutionary Applications, 2018, 11, 1322-1341.	3.1	54

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19	Analysis of the structure and variability of nucleolar organizer regions of Salmo trutta by C-, Ag-, and restriction endonuclease banding. Cytogenetic and Genome Research, 1990, 54, 6-9.	1.1	52
20	Induction of triploidy in the turbot (Scophthalmus maximus) II. Effects of cold shock timing and induction of triploidy in a large volume of eggs. Aquaculture, 2003, 220, 821-831.	3.5	52
21	Optimization of post-deposition annealing in Cu 2 ZnSnS 4 thin film solar cells and its impact on device performance. Solar Energy Materials and Solar Cells, 2017, 170, 287-294.	6.2	48
22	Fine Mapping and Evolution of the Major Sex Determining Region in Turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.8	46
23	A microsatellite marker tool for parentage analysis in Senegal sole (Solea senegalensis): Genotyping errors, null alleles and conformance to theoretical assumptions. Aquaculture, 2006, 261, 1194-1203.	3.5	45
24	Variation in anonymous and EST-microsatellites suggests adaptive population divergence in turbot. Marine Ecology - Progress Series, 2010, 420, 231-239.	1.9	45
25	Integrative Transcriptome, Genome and Quantitative Trait Loci Resources Identify Single Nucleotide Polymorphisms in Candidate Genes for Growth Traits in Turbot. International Journal of Molecular Sciences, 2016, 17, 243.	4.1	45
26	Highly dense linkage maps from 31 full-sibling families of turbot (Scophthalmus maximus) provide insights into recombination patterns and chromosome rearrangements throughout a newly refined genome assembly. DNA Research, 2018, 25, 439-450.	3.4	44
27	Gene diversity analysis in natural populations and cultured stocks of turbot (Scophthalmus maximus) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	41
28	A genome scan for candidate genes involved in the adaptation of turbot (Scophthalmus maximus). Marine Genomics, 2015, 23, 77-86.	1.1	41
29	Validation of single nucleotide polymorphism (SNP) markers from an immune Expressed Sequence Tag (EST) turbot, Scophthalmus maximus, database. Aquaculture, 2011, 313, 31-41.	3.5	39
30	Design and Performance of a Turbot (Scophthalmus maximus) Oligo-microarray Based on ESTs from Immune Tissues. Marine Biotechnology, 2010, 12, 452-465.	2.4	37
31	Compilation of mapping resources in turbot (Scophthalmus maximus): A new integrated consensus genetic map. Aquaculture, 2013, 414-415, 19-25.	3.5	37
32	>Localization of ribosomal genes in Pleuronectiformes using Ag-, CMA3-banding and in situ hybridization. Heredity, 2001, 86, 531-536.	2.6	36
33	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2012â€“31 January 2013. Molecular Ecology Resources, 2013, 13, 546-549.	4.8	36
34	A microsatellite marker tool for parentage assessment in gilthead seabream (Sparus aurata). Aquaculture, 2007, 272, S210-S216.	3.5	35
35	Characterization of ESTâ€derived microsatellites for gene mapping and evolutionary genomics in turbot. Animal Genetics, 2008, 39, 666-670.	1.7	33
36	Development and Validation of Single Nucleotide Polymorphisms (SNPs) Markers from Two Transcriptome 454-Runs of Turbot (Scophthalmus maximus) Using High-Throughput Genotyping. International Journal of Molecular Sciences, 2013, 14, 5694-5711.	4.1	33

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37	Quantitative analysis of the variability of nucleolar organizer regions in Salmo trutta. Genome, 1993, 36, 1119-1123.	2.0	32
38	Threatened freshwater pearl mussel Margaritifera margaritifera L. in NW Spain: low and very structured genetic variation in southern peripheral populations assessed using microsatellite markers. Conservation Genetics, 2007, 8, 937-948.	1.5	32
39	Gynogenesis Assessment Using Microsatellite Genetic Markers in Turbot (Scophthalmus maximus). Marine Biotechnology, 2003, 5, 584-592.	2.4	31
40	A genome-wide association study, supported by a new chromosome-level genome assembly, suggests sox2 as a main driver of the undifferentiatiated ZZ/ZW sex determination of turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	30
41	Allozymic evidence of parapatric differentiation of brown trout (Salmo trutta L.) within an Atlantic river basin of the Iberian Peninsula. Molecular Ecology, 2001, 10, 1455-1469.	3.9	29
42	Gene Expression Profiles of Spleen, Liver, and Head Kidney in Turbot (Scophthalmus maximus) Along the Infection Process with Philasterides dicentrarchi Using an Immune-Enriched Oligo-Microarray. Marine Biotechnology, 2012, 14, 570-582.	2.4	29
43	Tracing the genetic impact of farmed turbot Scophthalmus maximus on wild populations. Aquaculture Environment Interactions, 2018, 10, 447-463.	1.8	29
44	Parallel pattern of differentiation at a genomic island shared between clinal and mosaic hybrid zones in a complex of cryptic seahorse lineages. Evolution; International Journal of Organic Evolution, 2019, 73, 817-835.	2.3	28
45	Turbot (Scophthalmus maximus) genomic resources: application for boosting aquaculture production. , 2016, , 131-163.		26
46	Development and characterization of 248 novel microsatellite markers in turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.0	24
47	Mitochondrial haplotype variability of brown trout populations from Northwestern Iberian Peninsula, a secondary contact area between lineages. Conservation Genetics, 2008, 9, 917-920.	1.5	24
48	Diversity in isochore structure among cold-blooded vertebrates based on GC content of coding and non-coding sequences. Genetica, 2007, 129, 281-289.	1.1	23
49	Phylogeography, genetic structure, and conservation of the endangered Caspian brown trout, Salmo trutta caspius (Kessler, 1877), from Iran. Hydrobiologia, 2011, 664, 51-67.	2.0	23
50	Consolidation of the genetic and cytogenetic maps of turbot (Scophthalmus maximus) using FISH with BAC clones. Chromosoma, 2014, 123, 281-291.	2.2	23
51	Differential gene expression and SNP association between fast- and slow-growing turbot (Scophthalmus maximus). Scientific Reports, 2017, 7, 12105.	3.3	23
52	A set of highly polymorphic microsatellites useful for kinship and population analysis in turbot (Scophthalmus maximus L.). Aquaculture Research, 2006, 37, 1578-1582.	1.8	22
53	Chromosomal heterochromatin differentiation in Salmo trutta with restriction enzymes. Heredity, 1991, 66, 241-249.	2.6	21
54	Integrating genomic resources of flatfish (Pleuronectiformes) to boost aquaculture production. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 21, 41-55.	1.0	21

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55	Validation of growth-related quantitative trait loci markers in turbot (Scophthalmus maximus) families as a step toward marker assisted selection. Aquaculture, 2018, 495, 602-610.	3.5	21
56	Analysis of a secondary contact between divergent lineages of brown trout Salmo trutta L. from Duero basin using microsatellites and mtDNA RFLPs. Journal of Fish Biology, 2007, 71, 195-213.	1.6	19
57	Identification and conservation of remnant genetic resources of brown trout in relict populations from Western Mediterranean streams. Hydrobiologia, 2013, 707, 29-45.	2.0	19
58	First characterization and validation of turbot microRNAs. Aquaculture, 2017, 472, 76-83.	3.5	18
59	Conservation Genetics of Threatened Hippocampus guttulatus in Vulnerable Habitats in NW Spain: Temporal and Spatial Stability of Wild Populations with Flexible Polygamous Mating System in Captivity. PLoS ONE, 2015, 10, e0117538.	2.5	18
60	First Haploid Genetic Map Based on Microsatellite Markers in Senegalese Sole (Solea senegalensis,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	17
61	New microsatellite markers in turbot (Scophthalmus maximus) derived from an enriched genomic library and sequence databases. Molecular Ecology Notes, 2005, 5, 62-64.	1.7	15
62	Exploitation of a turbot (Scophthalmus maximus L.) immuneâ€related expressed sequence tag (EST) database for microsatellite screening and validation. Molecular Ecology Resources, 2012, 12, 706-716.	4.8	15
63	Stocking impact, population structure and conservation of wild brown trout populations in inner Galicia (NW Spain), an unstable hydrologic region. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 435-443.	2.0	15
64	Accuracy of pairwise methods in the reconstruction of family relationships, using molecular information from turbot (Scophthalmus maximus). Aquaculture, 2007, 273, 434-442.	3.5	14
65	Novel microsatellite loci in the threatened European long-snouted seahorse (Hippocampus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.5	14
66	Morphological variation in a secondary contact between divergent lineages of brown trout (Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	13
67	Species identification and genetic structure of threatened seahorses in Gran Canaria Island (Spain) using mitochondrial and microsatellite markers. Conservation Genetics, 2010, 11, 2431-2436.	1.5	13
68	First genetic linkage map for comparative mapping and QTL screening of brill (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	3.5	13
69	Genomic survey of edible cockle (Cerastoderma edule) in the Northeast Atlantic: A baseline for sustainable management of its wild resources. Evolutionary Applications, 2022, 15, 262-285.	3.1	13
70	Genomic Signatures After Five Generations of Intensive Selective Breeding: Runs of Homozygosity and Genetic Diversity in Representative Domestic and Wild Populations of Turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137	2.8	12
71	Management units of brown trout from Galicia (NW: Spain) based on spatial genetic structure analysis. Conservation Genetics, 2010, 11, 897-906.	1.5	10
72	Species complex delimitation and patterns of population structure at different geographic scales in Neotropical silver catfish (Rhamdia: Heptapteridae). Environmental Biology of Fishes, 2017, 100, 1047-1067.	1.0	10

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73	First records of Hippocampus algiricus in the Canary Islands (northâ€east Atlantic Ocean) with an observation of hybridization with Hippocampus hippocampus. Journal of Fish Biology, 2015, 87, 1080-1089.	1.6	9
74	Phylogenetic diversity within the endemic brown trout Duero lineage: implications for conservation and management. Marine and Freshwater Research, 2015, 66, 1066.	1.3	9
75	High Ag-NOR-site variation associated to a secondary contact in brown trout from the Iberian Peninsula. Genetica, 2009, 136, 419-427.	1.1	8
76	Genetic diversity and structure of Taxus baccata from the Cantabrian-Atlantic area in northern Spain: A guide for conservation and management actions. Forest Ecology and Management, 2021, 482, 118844.	3.2	8
77	A multidisciplinary approach to identify priority areas for the monitoring of a vulnerable family of fishes in Spanish Marine National Parks. Bmc Ecology and Evolution, 2021, 21, 4.	1.6	8
78	Application of amplified fragment length polymorphism markers to assess molecular polymorphisms in gynogenetic haploid embryos of turbot (Scophthalmus maximus). Aquaculture Research, 2008, 39, 41-49.	1.8	7
79	Statistical properties and performance of pairwise relatedness estimators using turbot (Scophthalmus maximusL.) family data. Aquaculture Research, 2010, 41, 528-534.	1.8	7
80	Identification of an endemic Mediterranean brown trout mtDNA group within a highly perturbed aquatic system, the Llobregat River (NE Spain). Hydrobiologia, 2019, 827, 277-291.	2.0	7
81	Low impact of different SNP panels from two building-loci pipelines on RAD-Seq population genomic metrics: case study on five diverse aquatic species. BMC Genomics, 2021, 22, 150.	2.8	7
82	Genomic Hatchery Introgression in Brown Trout (Salmo trutta L.): Development of a Diagnostic SNP Panel for Monitoring the Impacted Mediterranean Rivers. Genes, 2022, 13, 255.	2.4	6
83	A microsatellite panel for mating system analysis and broodstock management of captive long-snouted seahorse Hippocampus guttulatus. Aquaculture, 2012, 356-357, 153-157.	3.5	5
84	Living at the edge: population differentiation in endangered Arnica montana from NW Iberian Peninsula. Plant Systematics and Evolution, 2020, 306, 1.	0.9	5
85	Detection of Grivette BMP15 prolificacy variant (FecX) in different sheep breeds presented in Galicia (NW Spain). Gene Reports, 2018, 12, 109-114.	0.8	4
86	Species identification of two closely exploited flatfish, turbot (<scp>Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (ma approach. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 1253-1260.	2.0	4
87	Past hybridisation and introgression erased traces of mitochondrial lineages evolution in the Neotropical silver catfish Rhamdia quelen (Siluriformes: Heptapteridae). Hydrobiologia, 2019, 830, 161-177.	2.0	4
88	Population Genomics in Rhamdia quelen (Heptapteridae, Siluriformes) Reveals Deep Divergence and Adaptation in the Neotropical Region. Genes, 2020, 11, 109.	2.4	4
89	Cytogenomic analysis of several repetitive DNA elements in turbot (Scophthalmus maximus). Gene, 2018, 644, 4-12.	2.2	1
90	Differential digestion of the centromeric heterochromatic regions of the 5-azacytidine-decondensed human chromosomes 1, 9, 15, and 16 by NdeII and Sau3AI restriction endonucleases. Genetica, 1995, 96, 235-238.	1.1	0

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91	Genetic diversity analysis and management of turbot (Scophthalmus maximus) broodstocks assisted by microsatellite markers. Aquaculture, 2007, 272, S288.	3.5	0
92	Performances of relatedness coefficients using actual microsatellite family data from a turbot selection program. Aquaculture, 2007, 272, S288-S289.	3.5	0
93	Identification of novel gender-associated mitochondrial haplotypes inMargaritifera margaritifera(Linnaeus, 1758). Zoological Journal of the Linnean Society, 2016, , .	2.3	0