

Carmen Bouza

List of Publications by Year in descending order

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93
papers

2,914
citations

126708

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197535

49
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97
all docs

97
docs citations

97
times ranked

1988
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Whole genome sequencing of turbot (<i>Scophthalmus maximus</i> ; Pleuronectiformes): a fish adapted to demersal life. DNA Research, 2016, 23, 181-192. | 1.5 | 150 |
| 2 | Identification of the Major Sex-Determining Region of Turbot (<i>Scophthalmus maximus</i>). Genetics, 2009, 183, 1443-1452. | 1.2 | 109 |
| 3 | A Microsatellite Genetic Map of the Turbot (<i>Scophthalmus maximus</i>). Genetics, 2007, 177, 2457-2467. | 1.2 | 93 |
| 4 | Detection of growth-related QTL in turbot (<i>Scophthalmus maximus</i>). BMC Genomics, 2011, 12, 473. | 1.2 | 86 |
| 5 | Gene Expression Profiles of the Spleen, Liver, and Head Kidney in Turbot (<i>Scophthalmus maximus</i>) Along the Infection Process with <i>Aeromonas salmonicida</i> Using an Immune-Enriched Oligo-microarray. Marine Biotechnology, 2011, 13, 1099-1114. | 1.1 | 79 |
| 6 | QTL detection for <i>Aeromonas salmonicida</i> resistance related traits in turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T | 1.2 | 78 |
| 7 | Genetic structure of brown trout, <i>Salmo trutta</i> L., at the southern limit of the distribution range of the anadromous form. Molecular Ecology, 1999, 8, 1991-2001. | 2.0 | 70 |
| 8 | Genetic monitoring of supportive breeding in brown trout (<i>Salmo trutta</i> L.), using microsatellite DNA markers. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 2130-2139. | 0.7 | 65 |
| 9 | Potential sources of error in parentage assessment of turbot (<i>Scophthalmus maximus</i>) using microsatellite loci. Aquaculture, 2004, 242, 119-135. | 1.7 | 63 |
| 10 | An Expressed Sequence Tag (EST)-enriched genetic map of turbot (<i>Scophthalmus maximus</i>): a useful framework for comparative genomics across model and farmed teleosts. BMC Genetics, 2012, 13, 54. | 2.7 | 62 |
| 11 | Uncovering QTL for resistance and survival time to <i>Phyllosticta</i> in turbot (<i>Scophthalmus maximus</i>). Animal Genetics, 2013, 44, 149-157. | 0.6 | 62 |
| 12 | Expressed sequence tags (ESTs) from immune tissues of turbot (<i>Scophthalmus maximus</i>) challenged with pathogens. BMC Veterinary Research, 2008, 4, 37. | 0.7 | 61 |
| 13 | Allozyme and microsatellite diversity in natural and domestic populations of turbot (<i>Scophthalmus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Sciences, 2002, 59, 1460-1473. | 0.7 | 60 |
| 14 | Centromere-linkage in the turbot (<i>Scophthalmus maximus</i>) through half-tetrad analysis in diploid meionogenetics. Aquaculture, 2008, 280, 81-88. | 1.7 | 60 |
| 15 | Karyotypic characterization of turbot (<i>Scophthalmus maximus</i>) with conventional, fluorochrome and restriction endonuclease-banding techniques. Marine Biology, 1994, 120, 609-613. | 0.7 | 59 |
| 16 | Cytogenetical characterization of hatchery stocks and natural populations of Sea and Brown Trout from northwestern Spain. Heredity, 1991, 66, 9-17. | 1.2 | 57 |
| 17 | Identification of Quantitative Trait Loci Associated with Resistance to Viral Haemorrhagic Septicaemia (VHS) in Turbot (<i>Scophthalmus maximus</i>): A Comparison Between Bacterium, Parasite and Virus Diseases. Marine Biotechnology, 2014, 16, 265-276. | 1.1 | 54 |
| 18 | Parallel evolution and adaptation to environmental factors in a marine flatfish: Implications for fisheries and aquaculture management of the turbot (<i>Scophthalmus maximus</i>). Evolutionary Applications, 2018, 11, 1322-1341. | 1.5 | 54 |

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|----|--|-----|-----------|
| 19 | Analysis of the structure and variability of nucleolar organizer regions of <i>Salmo trutta</i> by C-, Ag-, and restriction endonuclease banding. <i>Cytogenetic and Genome Research</i> , 1990, 54, 6-9. | 0.6 | 52 |
| 20 | Induction of triploidy in the turbot (<i>Scophthalmus maximus</i>) II. Effects of cold shock timing and induction of triploidy in a large volume of eggs. <i>Aquaculture</i> , 2003, 220, 821-831. | 1.7 | 52 |
| 21 | Optimization of post-deposition annealing in Cu ₂ ZnSnS ₄ thin film solar cells and its impact on device performance. <i>Solar Energy Materials and Solar Cells</i> , 2017, 170, 287-294. | 3.0 | 48 |
| 22 | Fine Mapping and Evolution of the Major Sex Determining Region in Turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 | 0.8 | 46 |
| 23 | A microsatellite marker tool for parentage analysis in Senegal sole (<i>Solea senegalensis</i>): Genotyping errors, null alleles and conformance to theoretical assumptions. <i>Aquaculture</i> , 2006, 261, 1194-1203. | 1.7 | 45 |
| 24 | Variation in anonymous and EST-microsatellites suggests adaptive population divergence in turbot. <i>Marine Ecology - Progress Series</i> , 2010, 420, 231-239. | 0.9 | 45 |
| 25 | Integrative Transcriptome, Genome and Quantitative Trait Loci Resources Identify Single Nucleotide Polymorphisms in Candidate Genes for Growth Traits in Turbot. <i>International Journal of Molecular Sciences</i> , 2016, 17, 243. | 1.8 | 45 |
| 26 | Highly dense linkage maps from 31 full-sibling families of turbot (<i>Scophthalmus maximus</i>) provide insights into recombination patterns and chromosome rearrangements throughout a newly refined genome assembly. <i>DNA Research</i> , 2018, 25, 439-450. | 1.5 | 44 |
| 27 | Gene diversity analysis in natural populations and cultured stocks of turbot (<i>Scophthalmus maximus</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 41 | 0.6 | 41 |
| 28 | A genome scan for candidate genes involved in the adaptation of turbot (<i>Scophthalmus maximus</i>). <i>Marine Genomics</i> , 2015, 23, 77-86. | 0.4 | 41 |
| 29 | Validation of single nucleotide polymorphism (SNP) markers from an immune Expressed Sequence Tag (EST) turbot, <i>Scophthalmus maximus</i> , database. <i>Aquaculture</i> , 2011, 313, 31-41. | 1.7 | 39 |
| 30 | Design and Performance of a Turbot (<i>Scophthalmus maximus</i>) Oligo-microarray Based on ESTs from Immune Tissues. <i>Marine Biotechnology</i> , 2010, 12, 452-465. | 1.1 | 37 |
| 31 | Compilation of mapping resources in turbot (<i>Scophthalmus maximus</i>): A new integrated consensus genetic map. <i>Aquaculture</i> , 2013, 414-415, 19-25. | 1.7 | 37 |
| 32 | >Localization of ribosomal genes in Pleuronectiformes using Ag-, CMA3-banding and in situ hybridization. <i>Heredity</i> , 2001, 86, 531-536. | 1.2 | 36 |
| 33 | Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2012â€“31 January 2013. <i>Molecular Ecology Resources</i> , 2013, 13, 546-549. | 2.2 | 36 |
| 34 | A microsatellite marker tool for parentage assessment in gilthead seabream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2007, 272, S210-S216. | 1.7 | 35 |
| 35 | Characterization of EST-derived microsatellites for gene mapping and evolutionary genomics in turbot. <i>Animal Genetics</i> , 2008, 39, 666-670. | 0.6 | 33 |
| 36 | Development and Validation of Single Nucleotide Polymorphisms (SNPs) Markers from Two Transcriptome 454-Runs of Turbot (<i>Scophthalmus maximus</i>) Using High-Throughput Genotyping. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5694-5711. | 1.8 | 33 |

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|----|---|-----|-----------|
| 37 | Quantitative analysis of the variability of nucleolar organizer regions in <i>Salmo trutta</i> . <i>Genome</i> , 1993, 36, 1119-1123. | 0.9 | 32 |
| 38 | Threatened freshwater pearl mussel <i>Margaritifera margaritifera</i> L. in NW Spain: low and very structured genetic variation in southern peripheral populations assessed using microsatellite markers. <i>Conservation Genetics</i> , 2007, 8, 937-948. | 0.8 | 32 |
| 39 | Gynogenesis Assessment Using Microsatellite Genetic Markers in Turbot (<i>Scophthalmus maximus</i>). <i>Marine Biotechnology</i> , 2003, 5, 584-592. | 1.1 | 31 |
| 40 | A genome-wide association study, supported by a new chromosome-level genome assembly, suggests <i>sox2</i> as a main driver of the undifferentiated ZZ/ZW sex determination of turbot (<i>Scophthalmus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3</i> | 0.9 | 24 |
| 41 | Allozymic evidence of parapatric differentiation of brown trout (<i>Salmo trutta</i> L.) within an Atlantic river basin of the Iberian Peninsula. <i>Molecular Ecology</i> , 2001, 10, 1455-1469. | 2.0 | 29 |
| 42 | Gene Expression Profiles of Spleen, Liver, and Head Kidney in Turbot (<i>Scophthalmus maximus</i>) Along the Infection Process with <i>Philasterides dicentrarchi</i> Using an Immune-Enriched Oligo-Microarray. <i>Marine Biotechnology</i> , 2012, 14, 570-582. | 1.1 | 29 |
| 43 | Tracing the genetic impact of farmed turbot <i>Scophthalmus maximus</i> on wild populations. <i>Aquaculture Environment Interactions</i> , 2018, 10, 447-463. | 0.7 | 29 |
| 44 | Parallel pattern of differentiation at a genomic island shared between clinal and mosaic hybrid zones in a complex of cryptic seahorse lineages. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 817-835. | 1.1 | 28 |
| 45 | Turbot (<i>Scophthalmus maximus</i>) genomic resources: application for boosting aquaculture production. , 2016, , 131-163. | | 26 |
| 46 | Development and characterization of 248 novel microsatellite markers in turbot (<i>Scophthalmus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3</i> | 0.9 | 24 |
| 47 | Mitochondrial haplotype variability of brown trout populations from Northwestern Iberian Peninsula, a secondary contact area between lineages. <i>Conservation Genetics</i> , 2008, 9, 917-920. | 0.8 | 24 |
| 48 | Diversity in isochore structure among cold-blooded vertebrates based on GC content of coding and non-coding sequences. <i>Genetica</i> , 2007, 129, 281-289. | 0.5 | 23 |
| 49 | Phylogeography, genetic structure, and conservation of the endangered Caspian brown trout, <i>Salmo trutta caspius</i> (Kessler, 1877), from Iran. <i>Hydrobiologia</i> , 2011, 664, 51-67. | 1.0 | 23 |
| 50 | Consolidation of the genetic and cytogenetic maps of turbot (<i>Scophthalmus maximus</i>) using FISH with BAC clones. <i>Chromosoma</i> , 2014, 123, 281-291. | 1.0 | 23 |
| 51 | Differential gene expression and SNP association between fast- and slow-growing turbot (<i>Scophthalmus maximus</i>). <i>Scientific Reports</i> , 2017, 7, 12105. | 1.6 | 23 |
| 52 | A set of highly polymorphic microsatellites useful for kinship and population analysis in turbot (<i>Scophthalmus maximus</i> L.). <i>Aquaculture Research</i> , 2006, 37, 1578-1582. | 0.9 | 22 |
| 53 | Chromosomal heterochromatin differentiation in <i>Salmo trutta</i> with restriction enzymes. <i>Heredity</i> , 1991, 66, 241-249. | 1.2 | 21 |
| 54 | Integrating genomic resources of flatfish (<i>Pleuronectiformes</i>) to boost aquaculture production. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 21, 41-55. | 0.4 | 21 |

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|----|--|-----|-----------|
| 55 | Validation of growth-related quantitative trait loci markers in turbot (<i>Scophthalmus maximus</i>) families as a step toward marker assisted selection. <i>Aquaculture</i> , 2018, 495, 602-610. | 1.7 | 21 |
| 56 | Analysis of a secondary contact between divergent lineages of brown trout <i>Salmo trutta</i> L. from Duero basin using microsatellites and mtDNA RFLPs. <i>Journal of Fish Biology</i> , 2007, 71, 195-213. | 0.7 | 19 |
| 57 | Identification and conservation of remnant genetic resources of brown trout in relict populations from Western Mediterranean streams. <i>Hydrobiologia</i> , 2013, 707, 29-45. | 1.0 | 19 |
| 58 | First characterization and validation of turbot microRNAs. <i>Aquaculture</i> , 2017, 472, 76-83. | 1.7 | 18 |
| 59 | Conservation Genetics of Threatened <i>Hippocampus guttulatus</i> in Vulnerable Habitats in NW Spain: Temporal and Spatial Stability of Wild Populations with Flexible Polygamous Mating System in Captivity. <i>PLoS ONE</i> , 2015, 10, e0117538. | 1.1 | 18 |
| 60 | First Haploid Genetic Map Based on Microsatellite Markers in Senegalese Sole (<i>Solea senegalensis</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> | 1.1 | 17 |
| 61 | New microsatellite markers in turbot (<i>Scophthalmus maximus</i>) derived from an enriched genomic library and sequence databases. <i>Molecular Ecology Notes</i> , 2005, 5, 62-64. | 1.7 | 15 |
| 62 | Exploitation of a turbot (<i>Scophthalmus maximus</i> L.) immune-related expressed sequence tag (EST) database for microsatellite screening and validation. <i>Molecular Ecology Resources</i> , 2012, 12, 706-716. | 2.2 | 15 |
| 63 | Stocking impact, population structure and conservation of wild brown trout populations in inner Galicia (NW Spain), an unstable hydrologic region. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 435-443. | 0.9 | 15 |
| 64 | Accuracy of pairwise methods in the reconstruction of family relationships, using molecular information from turbot (<i>Scophthalmus maximus</i>). <i>Aquaculture</i> , 2007, 273, 434-442. | 1.7 | 14 |
| 65 | Novel microsatellite loci in the threatened European long-snouted seahorse (<i>Hippocampus</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i> | 0.8 | 14 |
| 66 | Morphological variation in a secondary contact between divergent lineages of brown trout (<i>Salmo</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> | 0.6 | 13 |
| 67 | Species identification and genetic structure of threatened seahorses in Gran Canaria Island (Spain) using mitochondrial and microsatellite markers. <i>Conservation Genetics</i> , 2010, 11, 2431-2436. | 0.8 | 13 |
| 68 | First genetic linkage map for comparative mapping and QTL screening of brill (<i>Scophthalmus</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222</i> | 1.7 | 13 |
| 69 | Genomic survey of edible cockle (<i>Cerastoderma edule</i>) in the Northeast Atlantic: A baseline for sustainable management of its wild resources. <i>Evolutionary Applications</i> , 2022, 15, 262-285. | 1.5 | 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 (<i>Scophthalmus</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137</i> | 1.7 | 13 |
| 71 | Management units of brown trout from Galicia (NW: Spain) based on spatial genetic structure analysis. <i>Conservation Genetics</i> , 2010, 11, 897-906. | 0.8 | 10 |
| 72 | Species complex delimitation and patterns of population structure at different geographic scales in Neotropical silver catfish (<i>Rhamdia: Heptapteridae</i>). <i>Environmental Biology of Fishes</i> , 2017, 100, 1047-1067. | 0.4 | 10 |

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|----|--|-----|-----------|
| 73 | First records of <i>Hippocampus algiricus</i> in the Canary Islands (north-east Atlantic Ocean) with an observation of hybridization with <i>Hippocampus hippocampus</i> . <i>Journal of Fish Biology</i> , 2015, 87, 1080-1089. | 0.7 | 9 |
| 74 | Phylogenetic diversity within the endemic brown trout Duero lineage: implications for conservation and management. <i>Marine and Freshwater Research</i> , 2015, 66, 1066. | 0.7 | 9 |
| 75 | High Ag-NOR-site variation associated to a secondary contact in brown trout from the Iberian Peninsula. <i>Genetica</i> , 2009, 136, 419-427. | 0.5 | 8 |
| 76 | Genetic diversity and structure of <i>Taxus baccata</i> from the Cantabrian-Atlantic area in northern Spain: A guide for conservation and management actions. <i>Forest Ecology and Management</i> , 2021, 482, 118844. | 1.4 | 8 |
| 77 | A multidisciplinary approach to identify priority areas for the monitoring of a vulnerable family of fishes in Spanish Marine National Parks. <i>Bmc Ecology and Evolution</i> , 2021, 21, 4. | 0.7 | 8 |
| 78 | Application of amplified fragment length polymorphism markers to assess molecular polymorphisms in gynogenetic haploid embryos of turbot (<i>Scophthalmus maximus</i>). <i>Aquaculture Research</i> , 2008, 39, 41-49. | 0.9 | 7 |
| 79 | Statistical properties and performance of pairwise relatedness estimators using turbot (<i>Scophthalmus maximus</i> L.) family data. <i>Aquaculture Research</i> , 2010, 41, 528-534. | 0.9 | 7 |
| 80 | Identification of an endemic Mediterranean brown trout mtDNA group within a highly perturbed aquatic system, the Llobregat River (NE Spain). <i>Hydrobiologia</i> , 2019, 827, 277-291. | 1.0 | 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. <i>BMC Genomics</i> , 2021, 22, 150. | 1.2 | 7 |
| 82 | Genomic Hatchery Introgression in Brown Trout (<i>Salmo trutta</i> L.): Development of a Diagnostic SNP Panel for Monitoring the Impacted Mediterranean Rivers. <i>Genes</i> , 2022, 13, 255. | 1.0 | 6 |
| 83 | A microsatellite panel for mating system analysis and broodstock management of captive long-snouted seahorse <i>Hippocampus guttulatus</i> . <i>Aquaculture</i> , 2012, 356-357, 153-157. | 1.7 | 5 |
| 84 | Living at the edge: population differentiation in endangered <i>Arnica montana</i> from NW Iberian Peninsula. <i>Plant Systematics and Evolution</i> , 2020, 306, 1. | 0.3 | 5 |
| 85 | Detection of Grivette BMP15 prolificacy variant (FecX) in different sheep breeds presented in Galicia (NW Spain). <i>Gene Reports</i> , 2018, 12, 109-114. | 0.4 | 4 |
| 86 | Species identification of two closely exploited flatfish, turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (m approach. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 1253-1260. | 0.9 | 4 |
| 87 | Past hybridisation and introgression erased traces of mitochondrial lineages evolution in the Neotropical silver catfish <i>Rhamdia quelen</i> (Siluriformes: Heptapteridae). <i>Hydrobiologia</i> , 2019, 830, 161-177. | 1.0 | 4 |
| 88 | Population Genomics in <i>Rhamdia quelen</i> (Heptapteridae, Siluriformes) Reveals Deep Divergence and Adaptation in the Neotropical Region. <i>Genes</i> , 2020, 11, 109. | 1.0 | 4 |
| 89 | Cytogenomic analysis of several repetitive DNA elements in turbot (<i>Scophthalmus maximus</i>). <i>Gene</i> , 2018, 644, 4-12. | 1.0 | 1 |
| 90 | Differential digestion of the centromeric heterochromatic regions of the 5-azacytidine-decondensed human chromosomes 1, 9, 15, and 16 by NdeI and Sau3AI restriction endonucleases. <i>Genetica</i> , 1995, 96, 235-238. | 0.5 | 0 |

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|----|---|-----|-----------|
| 91 | Genetic diversity analysis and management of turbot (<i>Scophthalmus maximus</i>) broodstocks assisted by microsatellite markers. <i>Aquaculture</i> , 2007, 272, S288. | 1.7 | 0 |
| 92 | Performances of relatedness coefficients using actual microsatellite family data from a turbot selection program. <i>Aquaculture</i> , 2007, 272, S288-S289. | 1.7 | 0 |
| 93 | Identification of novel gender-associated mitochondrial haplotypes in <i>Margaritifera margaritifera</i> (Linnaeus, 1758). <i>Zoological Journal of the Linnean Society</i> , 2016, , . | 1.0 | 0 |