

Carmen Bouza

List of Publications by Year in descending order

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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	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.	2.4	6
2	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.	3.1	13
3	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.	3.2	8
4	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.	1.6	8
5	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.	2.8	7
6	A genome-wide association study, supported by a new chromosome-level genome assembly, suggests sox2 as a main driver of the undifferentiated ZZ/ZW sex determination of turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (max)	2.0	4
7	Population Genomics in <i>Rhamdia quelen</i> (Heptapteridae, Siluriformes) Reveals Deep Divergence and Adaptation in the Neotropical Region. <i>Genes</i> , 2020, 11, 109.	2.4	4
8	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.	0.9	5
9	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>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td (max)	2.0	4
10	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.	2.3	28
11	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.	2.0	4
12	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.	2.0	7
13	Parallel evolution and adaptation to environmental factors in a marine flatfish: Implications for fisheries and aquaculture management of the turbot (<i>Scophthalmus maximus</i>). <i>Evolutionary Applications</i> , 2018, 11, 1322-1341.	3.1	54
14	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.	2.0	15
15	Cytogenomic analysis of several repetitive DNA elements in turbot (<i>Scophthalmus maximus</i>). <i>Gene</i> , 2018, 644, 4-12.	2.2	1
16	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.	3.4	44
17	Detection of Grivette BMP15 prolificacy variant (FecX) in different sheep breeds presented in Galicia (NW Spain). <i>Gene Reports</i> , 2018, 12, 109-114.	0.8	4
18	Species identification of two closely exploited flatfish, turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (max) approach. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 1253-1260.	2.0	4

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19	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.	3.5	21
20	Tracing the genetic impact of farmed turbot <i>Scophthalmus maximus</i> on wild populations. <i>Aquaculture Environment Interactions</i> , 2018, 10, 447-463.	1.8	29
21	First characterization and validation of turbot microRNAs. <i>Aquaculture</i> , 2017, 472, 76-83.	3.5	18
22	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.	1.0	21
23	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.	6.2	48
24	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.	1.0	10
25	Differential gene expression and SNP association between fast- and slow-growing turbot (<i>Scophthalmus maximus</i>). <i>Scientific Reports</i> , 2017, 7, 12105.	3.3	23
26	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.	4.1	45
27	Turbot (<i>Scophthalmus maximus</i>) genomic resources: application for boosting aquaculture production. , 2016, , 131-163.		26
28	Identification of novel gender-associated mitochondrial haplotypes in <i>Margaritifera margaritifera</i> (Linnaeus, 1758). <i>Zoological Journal of the Linnean Society</i> , 2016, , .	2.3	0
29	Whole genome sequencing of turbot (<i>Scophthalmus maximus</i> ; <i>Pleuronectiformes</i>): a fish adapted to demersal life. <i>DNA Research</i> , 2016, 23, 181-192.	3.4	150
30	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.	1.6	9
31	Phylogenetic diversity within the endemic brown trout Duero lineage: implications for conservation and management. <i>Marine and Freshwater Research</i> , 2015, 66, 1066.	1.3	9
32	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>	2.4	17
33	A genome scan for candidate genes involved in the adaptation of turbot (<i>Scophthalmus maximus</i>). <i>Marine Genomics</i> , 2015, 23, 77-86.	1.1	41
34	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.	2.5	18
35	Fine Mapping and Evolution of the Major Sex Determining Region in Turbot (<i>Scophthalmus</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.8	46
36	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.	2.2	23

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37	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. <i>Marine Biotechnology</i> , 2014, 16, 265-276.	2.4	54
38	First genetic linkage map for comparative mapping and QTL screening of brill (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	3.5	13
39	Uncovering <scp>QTL</scp> for resistance and survival time to <i><scp>P</scp>hilasterides dicentrarchi</i> in turbot (<i><scp>S</scp>cophthalmus maximus</i>). <i>Animal Genetics</i> , 2013, 44, 149-157.	1.7	62
40	Compilation of mapping resources in turbot (<i>Scophthalmus maximus</i>): A new integrated consensus genetic map. <i>Aquaculture</i> , 2013, 414-415, 19-25.	3.5	37
41	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2012â€“31 January 2013. <i>Molecular Ecology Resources</i> , 2013, 13, 546-549.	4.8	36
42	Identification and conservation of remnant genetic resources of brown trout in relict populations from Western Mediterranean streams. <i>Hydrobiologia</i> , 2013, 707, 29-45.	2.0	19
43	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.	4.1	33
44	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.	2.4	29
45	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.	3.5	5
46	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. <i>BMC Genetics</i> , 2012, 13, 54.	2.7	62
47	Exploitation of a turbot (<i>Scophthalmus maximus</i> L.) immuneâ€related expressed sequence tag (EST) database for microsatellite screening and validation. <i>Molecular Ecology Resources</i> , 2012, 12, 706-716.	4.8	15
48	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.	3.5	39
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.	2.0	23
50	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. <i>Marine Biotechnology</i> , 2011, 13, 1099-1114.	2.4	79
51	Detection of growth-related QTL in turbot (<i>Scophthalmus maximus</i>). <i>BMC Genomics</i> , 2011, 12, 473.	2.8	86
52	QTL detection for <i>Aeromonas salmonicida</i> resistance related traits in turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	2.8	78
53	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.	2.4	37
54	Management units of brown trout from Galicia (NW: Spain) based on spatial genetic structure analysis. <i>Conservation Genetics</i> , 2010, 11, 897-906.	1.5	10

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55	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
56	Statistical properties and performance of pairwise relatedness estimators using turbot (<i>Scophthalmus maximus</i> L.) family data. Aquaculture Research, 2010, 41, 528-534.	1.8	7
57	Variation in anonymous and EST-microsatellites suggests adaptive population divergence in turbot. Marine Ecology - Progress Series, 2010, 420, 231-239.	1.9	45
58	Morphological variation in a secondary contact between divergent lineages of brown trout (<i>Salmo trutta</i>) from the Iberian Peninsula. Molecular Ecology, 2010, 19, 1010-1020.	1.3	13
59	Identification of the Major Sex-Determining Region of Turbot (<i>Scophthalmus maximus</i>). Genetics, 2009, 183, 1443-1452.	2.9	109
60	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
61	Application of amplified fragment length polymorphism markers to assess molecular polymorphisms in gynogenetic haploid embryos of turbot (<i>Scophthalmus maximus</i>). Aquaculture Research, 2008, 39, 41-49.	1.8	7
62	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
63	Expressed sequence tags (ESTs) from immune tissues of turbot (<i>Scophthalmus maximus</i>) challenged with pathogens. BMC Veterinary Research, 2008, 4, 37.	1.9	61
64	Characterization of EST-derived microsatellites for gene mapping and evolutionary genomics in turbot. Animal Genetics, 2008, 39, 666-670.	1.7	33
65	Centromere-linkage in the turbot (<i>Scophthalmus maximus</i>) through half-tetrad analysis in diploid meiogynogenetics. Aquaculture, 2008, 280, 81-88.	3.5	60
66	Genetic diversity analysis and management of turbot (<i>Scophthalmus maximus</i>) broodstocks assisted by microsatellite markers. Aquaculture, 2007, 272, S288.	3.5	0
67	Performances of relatedness coefficients using actual microsatellite family data from a turbot selection program. Aquaculture, 2007, 272, S288-S289.	3.5	0
68	A microsatellite marker tool for parentage assessment in gilthead seabream (<i>Sparus aurata</i>). Aquaculture, 2007, 272, S210-S216.	3.5	35
69	Accuracy of pairwise methods in the reconstruction of family relationships, using molecular information from turbot (<i>Scophthalmus maximus</i>). Aquaculture, 2007, 273, 434-442.	3.5	14
70	Development and characterization of 248 novel microsatellite markers in turbot (<i>Scophthalmus maximus</i>) from the Iberian Peninsula. Molecular Ecology, 2007, 16, 1010-1020.	2.0	24
71	A Microsatellite Genetic Map of the Turbot (<i>Scophthalmus maximus</i>). Genetics, 2007, 177, 2457-2467.	2.9	93
72	Analysis of a secondary contact between divergent lineages of brown trout <i>Salmo trutta</i> L. from Duero basin using microsatellites and mtDNA RFLPs. Journal of Fish Biology, 2007, 71, 195-213.	1.6	19

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73	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.	1.1	23
74	Novel microsatellite loci in the threatened European long-snouted seahorse (<i>Hippocampus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 To	1.5	14
75	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.	1.5	32
76	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.	3.5	45
77	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.	1.8	22
78	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
79	Potential sources of error in parentage assessment of turbot (<i>Scophthalmus maximus</i>) using microsatellite loci. <i>Aquaculture</i> , 2004, 242, 119-135.	3.5	63
80	Gynogenesis Assessment Using Microsatellite Genetic Markers in Turbot (<i>Scophthalmus maximus</i>). <i>Marine Biotechnology</i> , 2003, 5, 584-592.	2.4	31
81	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.	3.5	52
82	Allozyme and microsatellite diversity in natural and domestic populations of turbot (<i>Scophthalmus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Sciences, 2002, 59, 1460-1473.	1.4	60
83	>Localization of ribosomal genes in <i>Pleuronectiformes</i> using Ag-, CMA3-banding and in situ hybridization. <i>Heredity</i> , 2001, 86, 531-536.	2.6	36
84	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.	3.9	29
85	Genetic monitoring of supportive breeding in brown trout (<i>Salmo trutta</i>L.), using microsatellite DNA markers. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 2130-2139.	1.4	65
86	Genetic structure of brown trout, <i>Salmo trutta</i> L., at the southern limit of the distribution range of the anadromous form. <i>Molecular Ecology</i> , 1999, 8, 1991-2001.	3.9	70
87	Gene diversity analysis in natural populations and cultured stocks of turbot (<i>Scophthalmus maximus</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 5	1.7	41
88	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.	1.1	0
89	Karyotypic characterization of turbot (<i>Scophthalmus maximus</i>) with conventional, fluorochrome and restriction endonuclease-banding techniques. <i>Marine Biology</i> , 1994, 120, 609-613.	1.5	59
90	Quantitative analysis of the variability of nucleolar organizer regions in <i>Salmo trutta</i> . <i>Genome</i> , 1993, 36, 1119-1123.	2.0	32

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91	Cytogenetical characterization of hatchery stocks and natural populations of Sea and Brown Trout from northwestern Spain. Heredity, 1991, 66, 9-17.	2.6	57
92	Chromosomal heterochromatin differentiation in <i>Salmo trutta</i> with restriction enzymes. Heredity, 1991, 66, 241-249.	2.6	21
93	Analysis of the structure and variability of nucleolar organizer regions of <i>Salmo trutta</i> by C-, Ag-, and restriction endonuclease banding. Cytogenetic and Genome Research, 1990, 54, 6-9.	1.1	52