

Antonio GÃ³mez-Tato

List of Publications by Year in descending order

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78
papers

3,023
citations

172457

29
h-index

175258

52
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83
all docs

83
docs citations

83
times ranked

3147
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring ancestral origin using a single multiplex assay of ancestry-informative marker SNPs. <i>Forensic Science International: Genetics</i> , 2007, 1, 273-280.	3.1	332
2	Whole genome sequencing of turbot (<i>Scophthalmus maximus</i> ; Pleuronectiformes): a fish adapted to demersal life. <i>DNA Research</i> , 2016, 23, 181-192.	3.4	150
3	Development of a methylation marker set for forensic age estimation using analysis of public methylation data and the Agena Bioscience EpiTYPER system. <i>Forensic Science International: Genetics</i> , 2016, 24, 65-74.	3.1	127
4	Further development of forensic eye color predictive tests. <i>Forensic Science International: Genetics</i> , 2013, 7, 28-40.	3.1	119
5	Ancestry Analysis in the 11-M Madrid Bomb Attack Investigation. <i>PLoS ONE</i> , 2009, 4, e6583.	2.5	110
6	Analysis of qPCR reference gene stability determination methods and a practical approach for efficiency calculation on a turbot (<i>Scophthalmus maximus</i>) gonad dataset. <i>BMC Genomics</i> , 2014, 15, 648.	2.8	105
7	Analysis of global variability in 15 established and 5 new European Standard Set (ESS) STRs using the CEPH human genome diversity panel. <i>Forensic Science International: Genetics</i> , 2011, 5, 155-169.	3.1	103
8	A Microsatellite Genetic Map of the Turbot (<i>Scophthalmus maximus</i>). <i>Genetics</i> , 2007, 177, 2457-2467.	2.9	93
9	Detection of growth-related QTL in turbot (<i>Scophthalmus maximus</i>). <i>BMC Genomics</i> , 2011, 12, 473.	2.8	86
10	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
11	QTL detection for <i>Aeromonas salmonicida</i> resistance related traits in turbot (<i>Scophthalmus</i>) Tj ETQq1 1 0.784314 <small>igBT /Overlock 10 Tf</small>	2.8	78
12	Molecular Characterization of Circulating Tumor Cells in Human Metastatic Colorectal Cancer. <i>PLoS ONE</i> , 2012, 7, e40476.	2.5	77
13	Development of a forensic skin colour predictive test. <i>Forensic Science International: Genetics</i> , 2014, 13, 34-44.	3.1	69
14	RNA-seq analysis reveals significant transcriptome changes in turbot (<i>Scophthalmus maximus</i>) suffering severe enteromyxosis. <i>BMC Genomics</i> , 2014, 15, 1149.	2.8	68
15	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
16	Expressed sequence tags (ESTs) from immune tissues of turbot (<i>Scophthalmus maximus</i>) challenged with pathogens. <i>BMC Veterinary Research</i> , 2008, 4, 37.	1.9	61
17	Centromere-linkage in the turbot (<i>Scophthalmus maximus</i>) through half-tetrad analysis in diploid meionogenetics. <i>Aquaculture</i> , 2008, 280, 81-88.	3.5	60
18	A multimarker panel for circulating tumor cells detection predicts patient outcome and therapy response in metastatic colorectal cancer. <i>International Journal of Cancer</i> , 2014, 135, 2633-2643.	5.1	55

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19	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
20	RNA-seq analysis of early enteromyxosis in turbot (<i>Scophthalmus maximus</i>): new insights into parasite invasion and immune evasion strategies. <i>International Journal for Parasitology</i> , 2016, 46, 507-517.	3.1	50
21	Targeted Proteomics Identifies Proteomic Signatures in Liquid Biopsies of the Endometrium to Diagnose Endometrial Cancer and Assist in the Prediction of the Optimal Surgical Treatment. <i>Clinical Cancer Research</i> , 2017, 23, 6458-6467.	7.0	50
22	Comprehensive transcriptomic analysis of the process of gonadal sex differentiation in the turbot (<i>Scophthalmus maximus</i>). <i>Genetics</i> , 2018, 198, 1077-1087.	3.2	47
23	Fine Mapping and Evolution of the Major Sex Determining Region in Turbot (<i>Scophthalmus maximus</i>). <i>Genetics</i> , 2018, 198, 1077-1087.	1.8	46
24	A combined strategy involving Sanger and 454 pyrosequencing increases genomic resources to aid in the management of reproduction, disease control and genetic selection in the turbot (<i>Scophthalmus maximus</i>). <i>Genetics</i> , 2010, 186, 1077-1087.	2.8	44
25	Tracking age-correlated DNA methylation markers in the young. <i>Forensic Science International: Genetics</i> , 2018, 36, 50-59.	3.1	41
26	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
27	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
28	Automated Extraction Improves Multiplex Molecular Detection of Infection in Septic Patients. <i>PLoS ONE</i> , 2010, 5, e13387.	2.5	35
29	Signatures of selection for bonamiosis resistance in European flat oyster (<i>Ostrea edulis</i>): New genomic tools for breeding programs and management of natural resources. <i>Evolutionary Applications</i> , 2019, 12, 1781-1796.	3.1	35
30	Exploring iris colour prediction and ancestry inference in admixed populations of South America. <i>Forensic Science International: Genetics</i> , 2014, 13, 3-9.	3.1	32
31	Exploration of SNP variants affecting hair colour prediction in Europeans. <i>International Journal of Legal Medicine</i> , 2015, 129, 963-975.	2.2	31
32	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 maximus</i>). <i>Genetics</i> , 2018, 198, 1077-1087.	3.5	30
33	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
34	Very low microsatellite polymorphism and large heterozygote deficits suggest founder effects and cryptic structure in the parasite <i>Perkinsus olseni</i> . <i>Infection, Genetics and Evolution</i> , 2011, 11, 904-911.	2.3	28
35	Inference of Ancestry in Forensic Analysis II: Analysis of Genetic Data. <i>Methods in Molecular Biology</i> , 2016, 1420, 255-285.	0.9	27
36	Turbot (<i>Scophthalmus maximus</i>) genomic resources: application for boosting aquaculture production. <i>Genetics</i> , 2016, 186, 131-163.		26

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37	A Comparison of Forensic Age Prediction Models Using Data From Four DNA Methylation Technologies. <i>Frontiers in Genetics</i> , 2020, 11, 932.	2.3	26
38	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
39	Identification and validation of single nucleotide polymorphisms as tools to detect hybridization and population structure in freshwater stingrays. <i>Molecular Ecology Resources</i> , 2017, 17, 550-556.	4.8	23
40	Integrating Genomic and Morphological Approaches in Fish Pathology Research: The Case of Turbot (<i>Scophthalmus maximus</i>) Enteromyxosis. <i>Frontiers in Genetics</i> , 2019, 10, 26.	2.3	23
41	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
42	Molecular Profiling of Circulating Tumour Cells Identifies Notch1 as a Principal Regulator in Advanced Non-Small Cell Lung Cancer. <i>Scientific Reports</i> , 2016, 6, 37820.	3.3	22
43	Improving circulating tumor cells enumeration and characterization to predict outcome in first line chemotherapy mCRPC patients. <i>Oncotarget</i> , 2017, 8, 54708-54721.	1.8	22
44	A logistic model for the detection of circulating tumour cells in human metastatic colorectal cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 2342-2349.	3.6	21
45	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
46	Construction of an <i>Ostrea edulis</i> database from genomic and expressed sequence tags (ESTs) obtained from <i>Bonamia ostreae</i> infected haemocytes: Development of an immune-enriched oligo-microarray. <i>Fish and Shellfish Immunology</i> , 2016, 59, 331-344.	3.6	20
47	Long-term affected flat oyster (<i>Ostrea edulis</i>) haemocytes show differential gene expression profiles from naïve oysters in response to <i>Bonamia ostreae</i> . <i>Genomics</i> , 2018, 110, 390-398.	2.9	20
48	Rational homotopy theory for non-simply connected spaces. <i>Transactions of the American Mathematical Society</i> , 1999, 352, 1493-1525.	0.9	18
49	Broadening the Applicability of a Custom Multi-Platform Panel of Microhaplotypes: Bio-Geographical Ancestry Inference and Expanded Reference Data. <i>Frontiers in Genetics</i> , 2020, 11, 581041.	2.3	17
50	Characterization of single-nucleotide polymorphism markers in the Mediterranean mussel, <i>Mytilus galloprovincialis</i> . <i>Aquaculture Research</i> , 2010, 41, e568-e575.	1.8	15
51	Transcriptomic profile of Manila clam (<i>Ruditapes philippinarum</i>) haemocytes in response to <i>Perkinsus olseni</i> infection. <i>Aquaculture</i> , 2017, 467, 170-181.	3.5	15
52	De novo transcriptome assembly of <i>Perkinsus olseni</i> trophozoite stimulated in vitro with Manila clam (<i>Ruditapes philippinarum</i>) plasma. <i>Journal of Invertebrate Pathology</i> , 2016, 135, 22-33.	3.2	14
53	Microarray analysis of the inflammatory and immune responses in head kidney turbot leucocytes treated with resveratrol. <i>International Immunopharmacology</i> , 2013, 15, 588-596.	3.8	13
54	Immunohistochemical detection and gene expression of TNF± in turbot (<i>Scophthalmus maximus</i>) enteromyxosis. <i>Fish and Shellfish Immunology</i> , 2015, 47, 368-376.	3.6	13

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55	The Lusternik-Schnirelmann category of $S_{operatorname{Sp}}(3)$. Proceedings of the American Mathematical Society, 2003, 132, 587-595.	0.8	12
56	Screening of repetitive motifs inside the genome of the flat oyster (<i>Ostrea edulis</i>): Transposable elements and short tandem repeats. Marine Genomics, 2015, 24, 335-341.	1.1	12
57	SNP identification and validation on genomic DNA for studying genetic diversity in <i>Thunnus albacares</i> and <i>Scomberomorus brasiliensis</i> by combining RADseq and long read high throughput sequencing. Fisheries Research, 2018, 198, 189-194.	1.7	12
58	Hepatitis B virus genotyping based on cluster analysis of the region involved in lamivudine resistance. Journal of Virological Methods, 2004, 115, 9-17.	2.1	10
59	An assessment of Bayesian and multinomial logistic regression classification systems to analyse admixed individuals. Forensic Science International: Genetics Supplement Series, 2013, 4, e63-e64.	0.3	10
60	The Teleost Thymus in Health and Disease: New Insights from Transcriptomic and Histopathological Analyses of Turbot, <i>Scophthalmus maximus</i> . Biology, 2020, 9, 221.	2.8	10
61	Implication of p38 mitogen-activated protein kinase isoforms ($\hat{1}$, $\hat{2}$, $\hat{3}$ and $\hat{1}$) in CD4+ T-cell infection with human immunodeficiency virus type I. Journal of General Virology, 2008, 89, 1661-1671.	2.9	9
62	Trace map, Cayley transform and LS category of Lie groups. Annals of Global Analysis and Geometry, 2011, 39, 325-335.	0.6	9
63	Vaccine-induced modulation of gene expression in turbot peritoneal cells. A microarray approach. Molecular Immunology, 2016, 75, 188-199.	2.2	8
64	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
65	Hepatic gene transcription profiles in turbot (<i>Scophthalmus maximus</i>) experimentally exposed to heavy fuel oil n° 6 and to styrene. Marine Environmental Research, 2017, 123, 14-24.	2.5	7
66	Global Gene Expression Characterization of Circulating Tumor Cells in Metastatic Castration-Resistant Prostate Cancer Patients. Journal of Clinical Medicine, 2020, 9, 2066.	2.4	7
67	Blood Transcriptomics of Turbot <i>Scophthalmus maximus</i> : A Tool for Health Monitoring and Disease Studies. Animals, 2021, 11, 1296.	2.3	7
68	Hopfâ€™s Ganea invariants and weak LS category. Topology and Its Applications, 2001, 115, 305-316.	0.4	5
69	Microsatellite marker development in the protozoan parasite <i>Perkinsus olseni</i> . Diseases of Aquatic Organisms, 2011, 94, 161-165.	1.0	5
70	Gene expression analysis of <i>Ruditapes philippinarum</i> haemocytes after experimental <i>Perkinsus olseni</i> zoospore challenge and infection in the wild. Fish and Shellfish Immunology, 2018, 72, 611-621.	3.6	5
71	Species identification of two closely exploited flatfish, turbot (<i>Scophthalmus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 approach. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 1253-1260.	2.0	4
72	Theorie De Sullivan Pour La Cohomologie a Coefficients Locaux. Transactions of the American Mathematical Society, 1992, 330, 295.	0.9	3

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73	New insights into the Manila clam " Perkinsus olseni interaction based on gene expression analysis of clam hemocytes and parasite trophozoites through in vitro challenges. International Journal for Parasitology, 2020, 50, 195-208.	3.1	3
74	Identification of Bacillus and Yersinia species and hoax agents by protein profiling using microfluidic capillary electrophoresis with peak detection algorithms. Australian Journal of Forensic Sciences, 2021, 53, 2-15.	1.2	2
75	ThÃ©orie de Sullivan pour la cohomologie Ã coefficients locaux. Transactions of the American Mathematical Society, 1992, 330, 235-305.	0.9	2
76	Homologie de L'Espace des Lacets des Intersections Completes. American Journal of Mathematics, 1995, 117, 635.	1.1	0
77	A compact population analysis test using 32 SNPs with highly diverse allele frequency distributions. International Congress Series, 2006, 1288, 58-60.	0.2	0
78	Molecular characterization of circulating tumor cells in human metastatic colorectal cancer.. Journal of Clinical Oncology, 2012, 30, 10534-10534.	1.6	0