Rafael Montiel

List of Publications by Year
in descending order

49 papers	1,598 citations	279487 23 h-index	315357 38 g-index
50 all docs	50 docs citations	50 times ranked	2724 citing authors

#	Article	IF	Citations
1	Polar and brown bear genomes reveal ancient admixture and demographic footprints of past climate change. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2382-90.	3.3	310
2	Application and comparison of large-scale solution-based DNA capture-enrichment methods on ancient DNA. Scientific Reports, 2011, 1, 74.	1.6	106
3	The earliest maize from San Marcos TehuacÃ¡n is a partial domesticate with genomic evidence of inbreeding. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14151-14156.	3.3	93
4	Understanding Differences Between Phylogenetic and Pedigree-Derived mtDNA Mutation Rate: A Model Using Families from the Azores Islands (Portugal). Molecular Biology and Evolution, 2005, 22, 1490-1505.	3.5	88
5	An apoptosis-inducing serine protease secreted by the entomopathogenic nematode Steinernema carpocapsae. International Journal for Parasitology, 2009, 39, 1319-1330.	1.3	58
6	Patterns of Mitochondrial DNA Damage in Blood and Brain Tissues of a Transgenic Mouse Model of Machado-Joseph Disease. Neurodegenerative Diseases, 2013, 11, 206-214.	0.8	55
7	Genetic Structure and Origin of Peopling in The Azores Islands (Portugal): The View from mtDNA. Annals of Human Genetics, 2003, 67, 433-456.	0.3	48
8	Population Genetics of Wild-Type CAG Repeats in the Machado-Joseph Disease Gene in Portugal. Human Heredity, 2005, 60, 156-163.	0.4	43
9	Nuclear insertions of mitochondrial origin: Database updating and usefulness in cancer studies. Mitochondrion, 2011, 11, 946-953.	1.6	43
10	Authenticating Ancient Human Mitochondrial DNA. Human Biology, 2001, 73, 689-713.	0.4	41
11	Serine Protease-mediated Host Invasion by the Parasitic Nematode Steinernema carpocapsae. Journal of Biological Chemistry, 2010, 285, 30666-30675.	1.6	41
12	A Pathogenic Nematode Targets Recognition Proteins to Avoid Insect Defenses. PLoS ONE, 2013, 8, e75691.	1.1	41
13	A Serpin Released by an Entomopathogen Impairs Clot Formation in Insect Defense System. PLoS ONE, 2013, 8, e69161.	1.1	40
14	Deep Sequencing of RNA from Ancient Maize Kernels. PLoS ONE, 2013, 8, e50961.	1.1	38
15	Increased transcript diversity: novel splicing variants of Machadoâ€“Joseph Disease gene (ATXN3). Neurogenetics, 2010, 11, 193-202.	0.7	37
16	Transcripts analysis of the entomopathogenic nematode Steinernema carpocapsae induced in vitro with insect haemolymph. Molecular and Biochemical Parasitology, 2010, 169, 79-86.	0.5	35
17	DNA sequences ofMycobacterium lepraerecovered from ancient bones. FEMS Microbiology Letters, 2003, 226, 413-414.	0.7	30
18	Neonate Human Remains: A Window of Opportunity to the Molecular Study of Ancient Syphilis. PLoS ONE, 2012, 7, e36371.	1.1	28

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19	Determination of Human European Mitochondrial DNA Haplogroups by Means of a Hierarchical Approach. Human Biology, 2004, 76, 431-453.	0.4	27
20	Segregation distortion of wild-type alleles at the Machado-Joseph disease locus: a study in normal families from the Azores islands (Portugal). Journal of Human Genetics, 2008, 53, 333-339.	1.1	25
21	Endothelial nitric oxide synthase (eNOS) 894 G>T polymorphism is associated with breast cancer risk: a meta-analysis. Breast Cancer Research and Treatment, 2010, 124, 809-813.	1.1	25
22	The genome, transcriptome, and proteome of the nematode Steinernema carpocapsae: evolutionary signatures of a pathogenic lifestyle. Scientific Reports, 2016, 6, 37536.	1.6	25
23	Sex Determination in Highly Fragmented Human DNA by High-Resolution Melting (HRM) Analysis. PLoS ONE, 2014, 9, e104629.	1.1	25
24	The Complete Mitochondrial Genome of the Entomopathogenic Nematode Steinernema carpocapsae: Insights into Nematode Mitochondrial DNA Evolution and Phylogeny. Journal of Molecular Evolution, 2006, 62, 211-225.	0.8	24
25	Association between androgen receptor gene CAG repeat polymorphism and breast cancer risk: a meta-analysis. Breast Cancer Research and Treatment, 2010, 124, 815-820.	1.1	22
26	The (CAG)n tract of Machadoâ€“Joseph Disease gene (ATXN3): a comparison between DNA and mRNA in patients and controls. European Journal of Human Genetics, 2010, 18, 621-623.	1.4	21
27	Mutation patterns of mtDNA: Empirical inferences for the coding region. BMC Evolutionary Biology, 2008, 8, 167.	3.2	20
28	Genetic Evidence Supports the Multiethnic Character of Teopancazco, a Neighborhood Center of Teotihuacan, Mexico (AD 200-600). PLoS ONE, 2015, 10, e0132371.	1.1	20
29	Genomic insights into Mycobacterium simiae human colonization. Standards in Genomic Sciences, 2018, 13, 1.	1.5	18
30	Occurrence and characterization of a nucleopolyhedrovirus from Spodoptera littoralis (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	17
31	Identification and expression analysis of the Steinernema carpocapsae elastase-like serine protease gene during the parasitic stage. Experimental Parasitology, 2009, 122, 51-60.	0.5	16
32	Identification, characterization of functional candidate genes for hostâ€“parasite interactions in entomopathogenetic nematode Steinernema carpocapsae by suppressive subtractive hybridization. Parasitology Research, 2008, 103, 671-683.	0.6	15
33	Promoter Variant Alters Expression of the Autophagic BECN1 Gene: Implications for Clinical Manifestations of Machado-Joseph Disease. Cerebellum, 2017, 16, 957-963.	1.4	15
34	Morphometry of the epidermis of an invasive megascoelecid earthworm (Amynthas gracilis, Kinberg) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Safety, 2011, 74, 25-32.	2.9	14
35	Genetic diversity and comparative analysis of gene expression between Heterorhabditis bacteriophora Az29 and Az36 isolates: Uncovering candidate genes involved in insect pathogenicity. Experimental Parasitology, 2012, 130, 116-125.	0.5	13
36	Yâ€chromosome variation in South Iberia: Insights into the North African contribution. American Journal of Human Biology, 2009, 21, 407-409.	0.8	11

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37	Analysis of Y-chromosome variability and its comparison with mtDNA variability reveals different demographic histories between islands in the Azores Archipelago (Portugal). Annals of Human Genetics, 2005, 69, 135-44.	0.3	10
38	Gradual domestication of root traits in the earliest maize from TehuacÃ¡n. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2110245119.	3.3	8
39	Organellar Genomes from a â^¼5,000-Year-Old Archaeological Maize Sample Are Closely Related to NB Genotype. Genome Biology and Evolution, 2017, 9, 904-915.	1.1	7
40	The complete mitochondrial DNA sequence of the pantropical earthworm Pontoscolex corethrurus (Rhinodrilidae, Clitellata): Mitogenome characterization and phylogenetic positioning. ZooKeys, 2017, 688, 1-13.	0.5	7
41	The African contribution to the presentâ€day population of the Azores Islands (Portugal): Analysis of the Y chromosome haplogroup E. American Journal of Human Biology, 2007, 19, 854-860.	0.8	6
42	Dissecting mitochondrial dna variability of balearic populations from the bronze age to the current era. American Journal of Human Biology, 2017, 29, e22883.	0.8	6
43	AMS Dates of New Maize Specimens Found in Rock Shelters of the Tehuacan Valley. Radiocarbon, 2018, 60, 975-987.	0.8	6
44	Peopling of the Azore Islands (Portugal): Data from the Y Chromosome. Human Biology, 2005, 77, 189-199.	0.4	5
45	Polymorphism of the APOE Locus in the Azores Islands (Portugal). Human Biology, 2006, 78, 509-512.	0.4	4
46	Molecular analysis of ancient caries. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140586.	1.2	4
47	Transcript Diversity of Machadoâ€“Joseph Disease Gene (ATXN3) Is Not Directly Determined by SNPs in Exonic or Flanking Intronic Regions. Journal of Molecular Neuroscience, 2013, 49, 539-543.	1.1	3
48	Integration of chronological omics data reveals mitochondrial regulatory mechanisms during the development of hepatocellular carcinoma. PLoS ONE, 2021, 16, e0256016.	1.1	2
49	Signatures of co-evolutionary host-pathogen interactions in the genome of the entomopathogenic nematode Steinernema carpocapsae. BMC Evolutionary Biology, 2017, 17, 108.	3.2	1