

Daniel Corach

List of Publications by Year in descending order

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112
papers

6,442
citations

147801

31
h-index

74163

75
g-index

115
all docs

115
docs citations

115
times ranked

6499
citing authors

#	ARTICLE	IF	CITATIONS
1	Ancient human genomes suggest three ancestral populations for present-day Europeans. <i>Nature</i> , 2014, 513, 409-413.	27.8	1,179
2	Reconstructing Native American population history. <i>Nature</i> , 2012, 488, 370-374.	27.8	699
3	Evaluation of Y-chromosomal STRs: a multicenter study. <i>International Journal of Legal Medicine</i> , 1997, 110, 125-133.	2.2	648
4	Chromosome Y microsatellites: population genetic and evolutionary aspects. <i>International Journal of Legal Medicine</i> , 1997, 110, 134-140.	2.2	286
5	Reconstructing the Deep Population History of Central and South America. <i>Cell</i> , 2018, 175, 1185-1197.e22.	28.9	259
6	A global analysis of Y-chromosomal haplotype diversity for 23 STR loci. <i>Forensic Science International: Genetics</i> , 2014, 12, 12-23.	3.1	214
7	Online reference database of European Y-chromosomal short tandem repeat (STR) haplotypes. <i>Forensic Science International</i> , 2001, 118, 106-113.	2.2	198
8	An Extensive Analysis of Y-Chromosomal Microsatellite Haplotypes in Globally Dispersed Human Populations. <i>American Journal of Human Genetics</i> , 2001, 68, 990-1018.	6.2	186
9	Rapid coastal spread of First Americans: Novel insights from South America's Southern Cone mitochondrial genomes. <i>Genome Research</i> , 2012, 22, 811-820.	5.5	167
10	Inferring Continental Ancestry of Argentineans from Autosomal, Y-Chromosomal and Mitochondrial DNA. <i>Annals of Human Genetics</i> , 2010, 74, 65-76.	0.8	155
11	Toward Male Individualization with Rapidly Mutating Y-Chromosomal Short Tandem Repeats. <i>Human Mutation</i> , 2014, 35, 1021-1032.	2.5	151
12	The initial peopling of the Americas: A growing number of founding mitochondrial genomes from Beringia. <i>Genome Research</i> , 2010, 20, 1174-1179.	5.5	147
13	Mutation rates at Y chromosome specific microsatellites. <i>Human Mutation</i> , 2005, 26, 520-528.	2.5	133
14	A new method for the evaluation of matches in non-recombining genomes: application to Y-chromosomal short tandem repeat (STR) haplotypes in European males. <i>Forensic Science International</i> , 2000, 114, 31-43.	2.2	119
15	Genetic Consequences of Habitat Fragmentation in Black-and-Gold Howler (<i>Alouatta caraya</i>) Populations from Northern Argentina. <i>International Journal of Primatology</i> , 2010, 31, 813-832.	1.9	112
16	The EDNAP mitochondrial DNA population database (EMPOP) collaborative exercises: organisation, results and perspectives. <i>Forensic Science International</i> , 2004, 139, 215-226.	2.2	105
17	A CEP-ISFG collaborative study on the optimization of an X-STR decaplex: data on 15 Iberian and Latin American populations. <i>International Journal of Legal Medicine</i> , 2009, 123, 227-234.	2.2	103
18	Genetic variation among the Mapuche Indians from the Patagonian region of Argentina: Mitochondrial DNA sequence variation and allele frequencies of several nuclear genes. , 1993, 67, 211-219.		95

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19	Continent-Wide Decoupling of Y-Chromosomal Genetic Variation from Language and Geography in Native South Americans. <i>PLoS Genetics</i> , 2013, 9, e1003460.	3.5	89
20	Male reproductive strategies in black and gold howler monkeys (<i>Alouatta caraya</i>). <i>American Journal of Primatology</i> , 2014, 76, 43-55.	1.7	68
21	Routine Y-STR typing in forensic casework. <i>Forensic Science International</i> , 2001, 118, 131-135.	2.2	60
22	Arrival of Paleo-Indians to the Southern Cone of South America: New Clues from Mitogenomes. <i>PLoS ONE</i> , 2012, 7, e51311.	2.5	57
23	Cardiac mitochondrial biogenesis in endotoxemia is not accompanied by mitochondrial function recovery. <i>Free Radical Biology and Medicine</i> , 2014, 77, 1-9.	2.9	56
24	Additional approaches to DNA typing of skeletal remains: The search for missing persons killed during the last dictatorship in Argentina. <i>Electrophoresis</i> , 1997, 18, 1608-1612.	2.4	55
25	Amerindian mitochondrial DNA haplogroups predominate in the population of Argentina: towards a first nationwide forensic mitochondrial DNA sequence database. <i>International Journal of Legal Medicine</i> , 2010, 124, 263-268.	2.2	47
26	Admixture and genetic relationships of Mexican Mestizos regarding Latin American and Caribbean populations based on 13 CODIS-STRs. <i>HOMO- Journal of Comparative Human Biology</i> , 2015, 66, 44-59.	0.7	46
27	Phytoremediation potential of the novel atrazine tolerant <i>Lolium multiflorum</i> and studies on the mechanisms involved. <i>Environmental Pollution</i> , 2009, 157, 3059-3063.	7.5	43
28	Mitochondrial DNA error prophylaxis: assessing the causes of errors in the GEP'03 proficiency testing trial. <i>Forensic Science International</i> , 2005, 148, 191-198.	2.2	40
29	Mass disasters: Rapid molecular screening of human remains by means of short tandem repeats typing. <i>Electrophoresis</i> , 1995, 16, 1617-1623.	2.4	37
30	Reference database of hypervariable genetic markers of Argentina: Application for molecular anthropology and forensic casework. <i>Electrophoresis</i> , 1999, 20, 1733-1739.	2.4	36
31	Detection of Hepatitis B Virus (HBV) Genotype E Carried-Even in the Presence of High Titers of Anti-HBs Antibodies-by an Argentinean Patient of African Descent Who Had Received Vaccination against HBV. <i>Journal of Clinical Microbiology</i> , 2006, 44, 3435-3439.	3.9	36
32	A DNA extraction method of small quantities of bone for high-quality genotyping. <i>Forensic Science International: Genetics</i> , 2013, 7, 488-493.	3.1	34
33	Population genetic analysis of 15 autosomal STRs loci in the central region of Argentina. <i>Forensic Science International</i> , 2006, 161, 72-77.	2.2	30
34	Where is the game? Wild meat products authentication in South Africa: a case study. <i>Investigative Genetics</i> , 2013, 4, 6.	3.3	30
35	Rapid screening for Native American mitochondrial and Y-chromosome haplogroups detection in routine DNA analysis. <i>Forensic Science International: Genetics</i> , 2011, 5, 105-108.	3.1	28
36	Genetic Analysis of Six Communities of Mbyã-Guaraní-Inhabiting Northeastern Argentina by Means of Nuclear and Mitochondrial Polymorphic Markers. <i>Human Biology</i> , 2010, 82, 433-456.	0.2	27

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37	Influence of ethnicity on the distribution of genetic polymorphisms associated with risk of chronic liver disease in South American populations. <i>BMC Genetics</i> , 2015, 16, 93.	2.7	25
38	Results of the 2003-2004 GEP-ISFG collaborative study on mitochondrial DNA: Focus on the mtDNA profile of a mixed semen-saliva stain. <i>Forensic Science International</i> , 2006, 160, 157-167.	2.2	24
39	Genetic attributes of the YHRD minimal haplotype in 10 provinces of Argentina. <i>Forensic Science International: Genetics</i> , 2007, 1, 129-133.	3.1	24
40	Analysis of body fluid mixtures by mtDNA sequencing: An inter-laboratory study of the GEP-ISFG working group. <i>Forensic Science International</i> , 2007, 168, 42-56.	2.2	24
41	Genetic assignment of illegally trafficked neotropical primates and implications for reintroduction programs. <i>Scientific Reports</i> , 2020, 10, 3676.	3.3	24
42	Long-term room temperature preservation of corpse soft tissue: an approach for tissue sample storage. <i>Investigative Genetics</i> , 2011, 2, 17.	3.3	23
43	Role of HLA-DP and HLA-DQ on the clearance of hepatitis B virus and the risk of chronic infection in a multiethnic population. <i>Liver International</i> , 2017, 37, 1476-1487.	3.9	23
44	Comparison of allele frequencies of eight STR loci from Argentinian Amerindian and European populations. <i>Human Biology</i> , 1998, 70, 937-47.	0.2	23
45	Isolation, characterization and evaluation of 11 autosomal STRs suitable for population studies in black and gold howler monkeys <i>Alouatta caraya</i> . <i>Molecular Ecology Notes</i> , 2006, 7, 117-120.	1.7	22
46	Forensic analysis of dog (<i>Canis lupus familiaris</i>) mitochondrial DNA sequences: An inter-laboratory study of the GEP-ISFG working group. <i>Forensic Science International: Genetics</i> , 2009, 4, 49-54.	3.1	22
47	Potential forensic use of a 33 X-InDel panel in the Argentinean population. <i>International Journal of Legal Medicine</i> , 2017, 131, 107-112.	2.2	22
48	Two simultaneous hepatitis B virus epidemics among injecting drug users and men who have sex with men in Buenos Aires, Argentina: characterization of the first D/A recombinant from the American continent. <i>Journal of Viral Hepatitis</i> , 2008, 15, 080527190031013-???	2.0	21
49	2006 GEP-ISFG collaborative exercise on mtDNA: reflections about interpretation, artefacts, and DNA mixtures. <i>Forensic Science International: Genetics</i> , 2008, 2, 126-133.	3.1	21
50	Genetic structure in the southernmost populations of black-and-gold howler monkeys (<i>Alouatta</i>)	2.9	21
51	Results of the GEP-ISFG collaborative study on an X-STR Decaplex. <i>Forensic Science International: Genetics Supplement Series</i> , 2008, 1, 677-679.	0.3	20
52	Unusual Naturally Occurring Humoral and Cellular Mutated Epitopes of Hepatitis B Virus in a Chronically Infected Argentine Patient with Anti-HBs Antibodies. <i>Journal of Clinical Microbiology</i> , 2006, 44, 2191-2198.	3.9	18
53	Analysis of admixture and genetic structure of two Native American groups of Southern Argentinean Patagonia. <i>Molecular Biology Reports</i> , 2014, 41, 1533-1543.	2.3	18
54	Microbial degradation and detoxification of 2,4-dinitrophenol in aerobic and anoxic processes. <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 226-230.	3.9	15

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55	Phylogenetic relationships of <i>Deschampsia antarctica</i> (Poaceae): Insights from nuclear ribosomal ITS. <i>Plant Systematics and Evolution</i> , 2006, 261, 1-9.	0.9	14
56	Genetic attributes of 15 autosomal STRs in the population of two patagonian provinces of Argentina. <i>Forensic Science International</i> , 2006, 160, 84-88.	2.2	14
57	Increasing anthraquinone production by overexpression of 1-deoxy-d-xylulose-5-phosphate synthase in transgenic cell suspension cultures of <i>Morinda citrifolia</i> . <i>Biotechnology Letters</i> , 2010, 32, 997-1003.	2.2	14
58	Mosaicism of alpha-synuclein gene rearrangements: Report of two unrelated cases of early-onset parkinsonism. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 558-561.	2.2	14
59	Genetic analysis of the populations from Northern and Mesopotamian provinces of Argentina by means of 15 autosomal STRs. <i>Forensic Science International</i> , 2006, 160, 224-230.	2.2	13
60	A review of the collaborative exercises on DNA typing of the Spanish and Portuguese ISFH working group. <i>International Journal of Legal Medicine</i> , 1997, 110, 273-277.	2.2	12
61	Relevant genetic contribution of Amerindian to the extant population of Argentina. <i>International Congress Series</i> , 2006, 1288, 397-399.	0.2	12
62	Distribution of genetic polymorphisms associated with hepatitis C virus (HCV) antiviral response in a multiethnic and admixed population. <i>Pharmacogenomics Journal</i> , 2014, 14, 549-554.	2.0	11
63	High-Throughput Screening for Spermatogenesis Candidate Genes in the AZFc Region of the Y Chromosome by Multiplex Real Time PCR Followed by High Resolution Melting Analysis. <i>PLoS ONE</i> , 2014, 9, e97227.	2.5	9
64	Development of a quantitation approach for total human and male DNA based on real time PCR followed by high resolution melting analysis. <i>Electrophoresis</i> , 2016, 37, 2734-2741.	2.4	9
65	Inferring genetic sub-structure in the population of Argentina using fifteen microsatellite loci. <i>Forensic Science International: Genetics Supplement Series</i> , 2008, 1, 350-352.	0.3	8
66	Genetic analysis of 10 X-STRs in Argentinian population. <i>Forensic Science International: Genetics</i> , 2011, 5, e14-e16.	3.1	8
67	InvestigatorÂ® HDplex (Qiagen) reference population database for forensic use in Argentina. <i>Forensic Science International: Genetics</i> , 2017, 26, 91-95.	3.1	8
68	DNA characteristics in species of <i>Calomys</i> (Rodentia, Cricetidae).. <i>Cytologia</i> , 1988, 53, 73-79.	0.6	7
69	Cadaveric DNA Extraction Protocol Based on Cetyl Trimethyl Amonium Bromide (CTAB). , 1995, , 35-36.		7
70	Population Genetic Structure in the Fresh-Water Anomuran <i>Aegla jujuyana</i> by Rapd Analysis. <i>Journal of Crustacean Biology</i> , 1997, 17, 269.	0.8	7
71	Increased prevalence of human herpesvirus type 8 (HHVâ€8) genome among blood donors from Northâ€Western Argentina. <i>Journal of Medical Virology</i> , 2017, 89, 518-527.	5.0	7
72	Historical records under the genetic evidence: â€Chiriguanoâ€tribe genesis as a test case. <i>Molecular Biology Reports</i> , 2018, 45, 987-1000.	2.3	7

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73	Highly Repetitive DNA Sequences Unique to Aeglidae (Anomura). <i>Journal of Crustacean Biology</i> , 1997, 17, 184.	0.8	6
74	Aerobic degradation of 3-chlorobenzoic acid by an indigenous strain isolated from a polluted river. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1245-1252.	3.6	6
75	Genetic structure of Mataco-GuaycurÃ© speakers from Argentina and the extent of their genetic admixture with neighbouring urban populations. <i>Scientific Reports</i> , 2019, 9, 17559.	3.3	6
76	Repetitive DNA sequence homologies and amplifications in South American cricetid rodents. <i>Genetica</i> , 1990, 82, 85-92.	1.1	5
77	Mass Disaster Victim Identification Assisted by DNA Typing. , 2010, , 407-415.		5
78	VNTR polymorphism in the Buenos Aires, Argentina, metropolitan population. <i>Human Biology</i> , 1997, 69, 777-83.	0.2	5
79	Repetitive DNA sequences as an insight into Aeglidae (Crustacea, Anomura) evolution. <i>Electrophoresis</i> , 1997, 18, 1666-1671.	2.4	4
80	Analysis of D216H Polymorphism in Argentinean Patients With Primary Dystonia. <i>Journal of Neurogenetics</i> , 2013, 27, 16-18.	1.4	4
81	Kinship and Dispersal Patterns in <i>Alouatta caraya</i> Inhabiting Continuous and Fragmented Habitats of Argentina. , 2013, , 399-412.		4
82	Update of an on-line autosomal STR and Y-STR reference database of Argentina. <i>Forensic Science International: Genetics Supplement Series</i> , 2009, 2, 382-383.	0.3	3
83	Optimized mass fatalities victim identification: An airplane crash as a test case. <i>Forensic Science International: Genetics Supplement Series</i> , 2013, 4, e222-e223.	0.3	3
84	Using long ssDNA polynucleotides to amplify STRs loci in degraded DNA samples. <i>PLoS ONE</i> , 2017, 12, e0187190.	2.5	3
85	Hepatitis C virus pharmacogenomics in Latin American populations: implications in the era of direct-acting antivirals. <i>Pharmacogenomics and Personalized Medicine</i> , 2017, Volume10, 79-91.	0.7	3
86	Demand for larger Y-STR reference databases in ethnic melting-pot countries: Argentina as a test case. <i>International Journal of Legal Medicine</i> , 2019, 133, 1309-1320.	2.2	3
87	Genetic diversity and phylogeographic analysis of human herpesvirus type 8 (HHV-8) in two distant regions of Argentina: Association with the genetic ancestry of the population. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104523.	2.3	3
88	Ethnic characterization of a population of children exposed to high doses of arsenic via drinking water and a possible correlation with metabolic processes. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2014, 5, 1-10.	0.4	3
89	Penta-, nona- and decaplex Y-STR typing systems: a comparative study. <i>International Congress Series</i> , 2003, 1239, 357-361.	0.2	2
90	On-line autosomal and Y-STR reference database of Argentina. <i>International Congress Series</i> , 2006, 1288, 195-197.	0.2	2

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91	X-STRs: Relevance in complex kinship cases. Forensic Science International: Genetics Supplement Series, 2008, 1, 496-498.	0.3	2
92	Development and validation of a human DNA quantification and sex determination approach based on real time PCR followed by high resolution melting analysis. Forensic Science International: Genetics Supplement Series, 2015, 5, e269-e271.	0.3	2
93	Analysis of locus D9S1120 and its genetic admixture correlation in seven argentina native american ethnic groups. American Journal of Human Biology, 2016, 28, 57-66.	1.6	2
94	Use of genetic tools to assess predation on reintroduced howler monkeys (<i>Alouatta caraya</i>) in Northeastern Argentina. Primates, 2021, 62, 521-528.	1.1	2
95	Ancestral genetic legacy of the extant population of Argentina as predicted by autosomal and X-chromosomal DIPs. Molecular Genetics and Genomics, 2021, 296, 581-590.	2.1	2
96	Uniparentally inherited genetic markers as tools for ethnic and geographical origin detection of forensic samples. International Congress Series, 2004, 1261, 625-627.	0.2	1
97	Analysis of mtDNA mixtures from different fluids: An inter-laboratory study. International Congress Series, 2006, 1288, 130-132.	0.2	1
98	Mitochondrial DNA control region sequence analysis of Matacoá€“GuaicurÃ© speaking tribes from Argentina. Forensic Science International: Genetics Supplement Series, 2009, 2, 331-333.	0.3	1
99	Genetic structure of Mendoza province population inferred from autosomal and Y-chromosome STRs analysis. Forensic Science International: Genetics Supplement Series, 2009, 2, 433-434.	0.3	1
100	Hypothesis: Somatic Mosaicism and Parkinson Disease. Experimental Neurobiology, 2015, 24, 173-175.	1.6	1
101	Inferring the genetic structure of Northwestern Argentina by uniparental SNP typing. Forensic Science International: Genetics Supplement Series, 2019, 7, 306-309.	0.3	1
102	Using Genetic Diversity Estimates in the Assessment of the Conservation Status of Neotropical Primates. , 2021, , 261-275.		1
103	D1S80 AMP-FLP Attributes in Two Different Ethnic Groups of Argentinian Populations. Advances in Forensic Haemogenetics, 1996, , 665-667.	0.2	1
104	Native American Y-STR haplotyping: Its forensic relevance in Argentina. Forensic Science International: Genetics Supplement Series, 2013, 4, e244-e245.	0.3	0
105	Sample selection bias in an international DNA panel: Does Native American haplogroup Q-M3 has the b2/b3 deletion?. Genomics, 2015, 105, 273-274.	2.9	0
106	Analysis of the genetic structure of Santa Cruz province and it comparison with the other Southern Patagonian provinces of Argentina. Forensic Science International: Genetics Supplement Series, 2015, 5, e114-e115.	0.3	0
107	New Perspectives in Mass Disaster Victim Identification Assisted by DNA Typing and Forensic Genomics. , 2017, , 395-405.		0
108	Reply to comment â€œA DNA extraction method of small quantities of bone for high-quality genotypingâ€œ. Forensic Science International: Genetics, 2019, 41, e18-e19.	3.1	0

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109	Q1a3a native-American Y-haplogroup detection in DNA quantification step: A quick diagnosis for Y-chromosome database selection. Forensic Science International: Genetics Supplement Series, 2019, 7, 315-317.	0.3	0
110	Salty or sweet? Alternatives for bone preservation along extended periods of time. Forensic Science International: Genetics Supplement Series, 2019, 7, 303-305.	0.3	0
111	Gone With the Water: The Loss of Genetic Variability in Black and Gold Howler Monkeys (<i>Alouatta</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	0
112	Development of a nested Real Time PCR / High Resolution Melting assay for human cell lymphotropic viruses types 1 and 2 (HTLV 1 and 2) identification. Letters in Applied Microbiology, 0, , .	2.2	0