Angel Carracedo

List of Publications by Citations

700 papers	31,138 citations	80 h-index	155 g-index
763 ext. papers	37,525 ext. citations	5.2 avg, IF	6.33 L-index

#	Paper	IF	Citations
700	Synaptic, transcriptional and chromatin genes disrupted in autism. *Nature*, **2014**, 515, 209-15	50.4	1581
699	Common variants conferring risk of schizophrenia. *Nature*, **2009**, 460, 744-7	50.4	1350
698	Transcriptome and genome sequencing uncovers functional variation in humans. *Nature*, **2013**, 501, 506-11	50.4	1323
697	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A tau, immunity and lipid processing. *Nature Genetics*, **2019**, 51, 414-430	36.3	917
696	Association analysis identifies 65 new breast cancer risk loci. *Nature*, **2017**, 551, 92-94	50.4	643
695	Large-Scale Exome Sequencing Study Implicates Both Developmental and Functional Changes in the Neurobiology of Autism. *Cell*, **2020**, 180, 568-584.e23	56.2	578
694	Supercomplex assembly determines electron flux in the mitochondrial electron transport chain. *Science*, **2013**, 340, 1567-70	33.3	528
693	Reconstructing Native American population history. *Nature*, **2012**, 488, 370-4	50.4	498
692	A genome-wide association study identifies colorectal cancer susceptibility loci on chromosomes 10p14 and 8q23.3. *Nature Genetics*, **2008**, 40, 623-30	36.3	463
691	Genetic variants near TIMP3 and high-density lipoprotein-associated loci influence susceptibility to age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7401-6	11.5	417
690	The making of the African mtDNA landscape. *American Journal of Human Genetics*, **2002**, 71, 1082-111	11	402
689	A multiplex assay with 52 single nucleotide polymorphisms for human identification. *Electrophoresis*, **2006**, 27, 1713-24	3.6	395
688	DNA Commission of the International Society of Forensic Genetics (ISFG): an update of the recommendations on the use of Y-STRs in forensic analysis. *Forensic Science International*, **2006**, 157, 187-97	2.6	326
687	The contribution of cannabis use to variation in the incidence of psychotic disorder across Europe (EU-GEI): a multicentre case-control study. *Lancet Psychiatry,the*, **2019**, 6, 427-436	23.3	322
686	SNPs in forensic genetics: a review on SNP typing methodologies. *Forensic Science International*, **2005**, 154, 181-94	2.6	299
685	DNA commission of the International Society of Forensic Genetics: Recommendations on the interpretation of mixtures. *Forensic Science International*, **2006**, 160, 90-101	2.6	279
684	An overview of STRUCTURE: applications, parameter settings, and supporting software. *Frontiers in Genetics*, **2013**, 4, 98	4.5	272

683	Inferring ancestral origin using a single multiplex assay of ancestry-informative marker SNPs. *Forensic Science International: Genetics*, **2007**, 1, 273-80	4.3	266
682	Mitochondrial and nuclear DNA matching shapes metabolism and healthy ageing. *Nature*, **2016**, 535, 561-5	50.4	248
681	DNA Commission of the International Society for Forensic Genetics (ISFG): recommendations regarding the role of forensic genetics for disaster victim identification (DVI). *Forensic Science International: Genetics*, **2007**, 1, 3-12	4.3	233
680	The human early-life exposome (HELIX): project rationale and design. *Environmental Health Perspectives*, **2014**, 122, 535-44	8.4	219
679	Mutations in the gene encoding PDGF-B cause brain calcifications in humans and mice. *Nature Genetics*, **2013**, 45, 1077-82	36.3	214
678	International Cooperation to Enable the Diagnosis of All Rare Genetic Diseases. *American Journal of Human Genetics*, **2017**, 100, 695-705	11	200
677	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nature Genetics*, **2014**, 46, 826-36	36.3	199
676	The African diaspora: mitochondrial DNA and the Atlantic slave trade. *American Journal of Human Genetics*, **2004**, 74, 454-65	11	198
675	Common variants at 2q37.3, 8q24.21, 15q21.3 and 16q24.1 influence chronic lymphocytic leukemia risk. *Nature Genetics*, **2010**, 42, 132-6	36.3	196
674	Identification of ten variants associated with risk of estrogen-receptor-negative breast cancer. *Nature Genetics*, **2017**, 49, 1767-1778	36.3	186
673	Identifying gene-environment interactions in schizophrenia: contemporary challenges for integrated, large-scale investigations. *Schizophrenia Bulletin*, **2014**, 40, 729-36	1.3	186
672	ISFG: Recommendations on biostatistics in paternity testing. *Forensic Science International: Genetics* , **2007**, 1, 223-31	4.3	180
671	Online reference database of European Y-chromosomal short tandem repeat (STR) haplotypes. *Forensic Science International*, **2001**, 118, 106-13	2.6	177
670	Mutations in XPR1 cause primary familial brain calcification associated with altered phosphate export. *Nature Genetics*, **2015**, 47, 579-81	36.3	176
669	Development of a panel of genome-wide ancestry informative markers to study admixture throughout the Americas. *PLoS Genetics*, **2012**, 8, e1002554	6	176
668	A critical reassessment of the role of mitochondria in tumorigenesis. *PLoS Medicine*, **2005**, 2, e296	11.6	174
667	Straightforward inference of ancestry and admixture proportions through ancestry-informative insertion deletion multiplexing. *PLoS ONE*, **2012**, 7, e29684	3.7	171
666	Human genomics. Effect of predicted protein-truncating genetic variants on the human transcriptome. *Science*, **2015**, 348, 666-9	33.3	170

665	Multiple common susceptibility variants near BMP pathway loci GREM1, BMP4, and BMP2 explain part of the missing heritability of colorectal cancer. *PLoS Genetics*, **2011**, 7, e1002105	6	169
664	A new multiplex for human identification using insertion/deletion polymorphisms. *Electrophoresis*, **2009**, 30, 3682-90	3.6	163
663	Common variants at VRK2 and TCF4 conferring risk of schizophrenia. *Human Molecular Genetics*, **2011**, 20, 4076-81	5.6	162
662	Risk of cancer in cases of suspected lynch syndrome without germline mutation. *Gastroenterology*, **2013**, 144, 926-932.e1; quiz e13-4	13.3	161
661	DNA Commission of the International Society of Forensic Genetics (ISFG): an update of the recommendations on the use of Y-STRs in forensic analysis. *International Journal of Legal Medicine*, **2006**, 120, 191-200	3.1	152
660	The genetic legacy of religious diversity and intolerance: paternal lineages of Christians, Jews, and Muslims in the Iberian Peninsula. *American Journal of Human Genetics*, **2008**, 83, 725-36	11	151
659	Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia. *Nature Genetics*, **2013**, 45, 868-76	36.3	147
658	Typing of mitochondrial DNA coding region SNPs of forensic and anthropological interest using SNaPshot minisequencing. *Forensic Science International*, **2004**, 140, 251-7	2.6	146
657	Rates, distribution and implications of postzygotic mosaic mutations in autism spectrum disorder. *Nature Neuroscience*, **2017**, 20, 1217-1224	25.5	144
656	Comparison between universal molecular screening for Lynch syndrome and revised Bethesda guidelines in a large population-based cohort of patients with colorectal cancer. *Gut*, **2012**, 61, 865-72	19.2	143
655	Breast Cancer Risk Genes - Association Analysis in More than 113,000 Women. *New England Journal of Medicine*, **2021**, 384, 428-439	59.2	143
654	mtDNA analysis of the Galician population: a genetic edge of European variation. *European Journal of Human Genetics*, **1998**, 6, 365-75	5.3	134
653	Analysis of BRCA1 and BRCA2 genes in Spanish breast/ovarian cancer patients: a high proportion of mutations unique to Spain and evidence of founder effects. *Human Mutation*, **2003**, 22, 301-12	4.7	133
652	A practical guide to mitochondrial DNA error prevention in clinical, forensic, and population genetics. *Biochemical and Biophysical Research Communications*, **2005**, 335, 891-9	3.4	129
651	DNA Commission of the International Society of Forensic Genetics: recommendations on forensic analysis using Y-chromosome STRs. *Forensic Science International*, **2001**, 124, 5-10	2.6	128
650	Mutation rates at Y chromosome specific microsatellites. *Human Mutation*, **2005**, 26, 520-8	4.7	123
649	Considerations by the European DNA profiling (EDNAP) group on the working practices, nomenclature and interpretation of mitochondrial DNA profiles. *Forensic Science International*, **2001**, 124, 83-91	2.6	123
648	Analysis of artificially degraded DNA using STRs and SNPs--results of a collaborative European (EDNAP) exercise. *Forensic Science International*, **2006**, 164, 33-44	2.6	112

647	The genetic legacy of western Bantu migrations. *Human Genetics*, **2005**, 117, 366-75	6.3	111
646	DNA commission of the International Society of Forensic Genetics: recommendations on forensic analysis using Y-chromosome STRs. *International Journal of Legal Medicine*, **2001**, 114, 305-9	3.1	104
645	Further development of forensic eye color predictive tests. *Forensic Science International: Genetics*, **2013**, 7, 28-40	4.3	101
644	Human spermatogenic failure purges deleterious mutation load from the autosomes and both sex chromosomes, including the gene DMRT1. *PLoS Genetics*, **2013**, 9, e1003349	6	99
643	Association of PDCD1 with susceptibility to systemic lupus erythematosus: evidence of population-specific effects. *Arthritis and Rheumatism*, **2004**, 50, 2590-7		99
642	Charting the ancestry of African Americans. *American Journal of Human Genetics*, **2005**, 77, 676-80	11	98
641	Ancestry analysis in the 11-M Madrid bomb attack investigation. *PLoS ONE*, **2009**, 4, e6583	3.7	95
640	Considerations from the European DNA profiling group (EDNAP) concerning STR nomenclature. *Forensic Science International*, **1997**, 87, 185-92	2.6	94
639	The EDNAP mitochondrial DNA population database (EMPOP) collaborative exercises: organisation, results and perspectives. *Forensic Science International*, **2004**, 139, 215-26	2.6	93
638	A three-stage genome-wide association study identifies a susceptibility locus for late radiotherapy toxicity at 2q24.1. *Nature Genetics*, **2014**, 46, 891-4	36.3	92
637	Analysis of global variability in 15 established and 5 new European Standard Set (ESS) STRs using the CEPH human genome diversity panel. *Forensic Science International: Genetics*, **2011**, 5, 155-69	4.3	92
636	A GEP-ISFG collaborative study on the optimization of an X-STR decaplex: data on 15 Iberian and Latin American populations. *International Journal of Legal Medicine*, **2009**, 123, 227-34	3.1	92
635	SPSmart: adapting population based SNP genotype databases for fast and comprehensive web access. *BMC Bioinformatics*, **2008**, 9, 428	3.6	89
634	Hierarchical analysis of 30 Y-chromosome SNPs in European populations. *International Journal of Legal Medicine*, **2005**, 119, 10-5	3.1	88
633	Human Early Life Exposome (HELIX) study: a European population-based exposome cohort. *BMJ Open*, **2018**, 8, e021311	3	88
632	Revision of the SNPforID 34-plex forensic ancestry test: Assay enhancements, standard reference sample genotypes and extended population studies. *Forensic Science International: Genetics*, **2013**, 7, 63-74	4.3	87
631	Development of a methylation marker set for forensic age estimation using analysis of public methylation data and the Agena Bioscience EpiTYPER system. *Forensic Science International: Genetics*, **2016**, 24, 65-74	4.3	86
630	Inter-laboratory evaluation of SNP-based forensic identification by massively parallel sequencing using the Ion PGM *Forensic Science International: Genetics*, **2015**, 17, 110-121	4.3	85

629	Resolving relationship tests that show ambiguous STR results using autosomal SNPs as supplementary markers. *Forensic Science International: Genetics*, **2008**, 2, 198-204	4.3	84
628	Building a forensic ancestry panel from the ground up: The EUROFORGEN Global AIM-SNP set. *Forensic Science International: Genetics*, **2014**, 11, 13-25	4.3	82
627	Eurasiaplex: a forensic SNP assay for differentiating European and South Asian ancestries. *Forensic Science International: Genetics*, **2013**, 7, 359-66	4.3	80
626	RNA/DNA co-analysis from blood stains--results of a second collaborative EDNAP exercise. *Forensic Science International: Genetics*, **2012**, 6, 70-80	4.3	80
625	mRNA profiling for the identification of blood--results of a collaborative EDNAP exercise. *Forensic Science International: Genetics*, **2011**, 5, 21-6	4.3	80
624	Identification of new putative susceptibility genes for several psychiatric disorders by association analysis of regulatory and non-synonymous SNPs of 306 genes involved in neurotransmission and neurodevelopment. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2009**, 150B, 808-16	3.5	79
623	Evaluating HapMap SNP data transferability in a large-scale genotyping project involving 175 cancer-associated genes. *Human Genetics*, **2006**, 118, 669-79	6.3	79
622	The R71G BRCA1 is a founder Spanish mutation and leads to aberrant splicing of the transcript. *Human Mutation*, **2001**, 17, 520-1	4.7	77
621	AMPA receptor GluA2 subunit defects are a cause of neurodevelopmental disorders. *Nature Communications*, **2019**, 10, 3094	17.4	76
620	RNA/DNA co-analysis from human saliva and semen stains--results of a third collaborative EDNAP exercise. *Forensic Science International: Genetics*, **2013**, 7, 230-9	4.3	76
619	Coding region mitochondrial DNA SNPs: targeting East Asian and Native American haplogroups. *Forensic Science International: Genetics*, **2007**, 1, 44-55	4.3	76
618	New population and phylogenetic features of the internal variation within mitochondrial DNA macro-haplogroup R0. *PLoS ONE*, **2009**, 4, e5112	3.7	75
617	A candidate gene study of capecitabine-related toxicity in colorectal cancer identifies new toxicity variants at DPYD and a putative role for ENOSF1 rather than TYMS. *Gut*, **2015**, 64, 111-20	19.2	74
616	Association of schizophrenia with DTNBP1 but not with DAO, DAOA, NRG1 and RGS4 nor their genetic interaction. *Journal of Psychiatric Research*, **2008**, 42, 278-88	5.2	74
615	Evaluation of the Genplex SNP typing system and a 49plex forensic marker panel. *Forensic Science International: Genetics*, **2007**, 1, 180-5	4.3	74
614	Examining the independent and joint effects of molecular genetic liability and environmental exposures in schizophrenia: results from the EUGEI study. *World Psychiatry*, **2019**, 18, 173-182	14.4	73
613	A SNaPshot of next generation sequencing for forensic SNP analysis. *Forensic Science International: Genetics*, **2015**, 14, 50-60	4.3	73
612	Micro-phylogeographic and demographic history of Portuguese male lineages. *Annals of Human Genetics*, **2006**, 70, 181-94	2.2	73

611	A highly variable STR at the D12S391 locus. *International Journal of Legal Medicine*, **1996**, 109, 134-8	3.1	72
610	Whole-exome sequencing identifies rare pathogenic variants in new predisposition genes for familial colorectal cancer. *Genetics in Medicine*, **2015**, 17, 131-42	8.1	71
609	Introduction of an single nucleodite polymorphism-based "Major Y-chromosome haplogroup typing kit" suitable for predicting the geographical origin of male lineages. *Electrophoresis*, **2005**, 26, 4411-20	3.6	70
608	Robustness of the Y STRs DYS19, DYS389 I and II, DYS390 and DYS393: optimization of a PCR pentaplex. *Forensic Science International*, **1999**, 106, 163-72	2.6	69
607	Dissection of mitochondrial superhaplogroup H using coding region SNPs. *Electrophoresis*, **2006**, 27, 2541-50	3.6	68
606	Common variant at 16p11.2 conferring risk of psychosis. *Molecular Psychiatry*, **2014**, 19, 108-14	15.1	67
605	Paternity Testing Commission of the International Society of Forensic Genetics: recommendations on genetic investigations in paternity cases. *Forensic Science International*, **2002**, 129, 148-57	2.6	67
604	A Pentanucleotide ATTTC Repeat Insertion in the Non-coding Region of DAB1, Mapping to SCA37, Causes Spinocerebellar Ataxia. *American Journal of Human Genetics*, **2017**, 101, 87-103	11	66
603	Molecular genetics of sudden cardiac death. *Forensic Science International*, **2008**, 182, 1-12	2.6	66
602	Forensic validation of the SNPforID 52-plex assay. *Forensic Science International: Genetics*, **2007**, 1, 186-90	4.3	66
601	Genetic admixture in three Mexican Mestizo populations based on D1S80 and HLA-DQA1 loci. *American Journal of Human Biology*, **2002**, 14, 257-63	2.7	66
600	Investigation of the STR locus HUMTH01 using PCR and two electrophoresis formats: UK and Galician Caucasian population surveys and usefulness in paternity investigations. *Forensic Science International*, **1994**, 66, 41-52	2.6	66
599	A European Spectrum of Pharmacogenomic Biomarkers: Implications for Clinical Pharmacogenomics. *PLoS ONE*, **2016**, 11, e0162866	3.7	66
598	Association of common copy number variants at the glutathione S-transferase genes and rare novel genomic changes with schizophrenia. *Molecular Psychiatry*, **2010**, 15, 1023-33	15.1	65
597	Effect of environmental factors on PCR-DNA analysis from dental pulp. *International Journal of Legal Medicine*, **1996**, 109, 125-9	3.1	65
596	Association study of nonsynonymous single nucleotide polymorphisms in schizophrenia. *Biological Psychiatry*, **2012**, 71, 169-77	7.9	63
595	Heteroplasmy in mtDNA and the weight of evidence in forensic mtDNA analysis: a case report. *International Journal of Legal Medicine*, **2001**, 114, 186-90	3.1	63
594	Sequence variation of a hypervariable short tandem repeat at the D1S1656 locus. *International Journal of Legal Medicine*, **1998**, 111, 244-7	3.1	62

593	A collaborative European exercise on mRNA-based body fluid/skin typing and interpretation of DNA and RNA results. *Forensic Science International: Genetics*, **2014**, 10, 40-48	4.3	61
592	Case report: identification of skeletal remains using short-amplicon marker analysis of severely degraded DNA extracted from a decomposed and charred femur. *Forensic Science International: Genetics*, **2008**, 2, 212-8	4.3	60
591	Insights into the western Bantu dispersal: mtDNA lineage analysis in Angola. *Human Genetics*, **2004**, 115, 439-47	6.3	60
590	The recombination landscape around forensic STRs: Accurate measurement of genetic distances between syntenic STR pairs using HapMap high density SNP data. *Forensic Science International: Genetics*, **2012**, 6, 354-65	4.3	58
589	Association study of 44 candidate genes with depressive and anxiety symptoms in post-partum women. *Journal of Psychiatric Research*, **2010**, 44, 717-24	5.2	57
588	Refinement of the basis and impact of common 11q23.1 variation to the risk of developing colorectal cancer. *Human Molecular Genetics*, **2008**, 17, 3720-7	5.6	57
587	Genetic analysis of three US population groups using an X-chromosomal STR decaplex. *International Journal of Legal Medicine*, **2007**, 121, 198-203	3.1	57
586	Forensic performance of two insertion-deletion marker assays. *International Journal of Legal Medicine*, **2012**, 126, 725-37	3.1	56
585	'Costa da Morte' ataxia is spinocerebellar ataxia 36: clinical and genetic characterization. *Brain*, **2012**, 135, 1423-35	11.2	56
584	Genome-wide association analysis implicates dysregulation of immunity genes in chronic lymphocytic leukaemia. *Nature Communications*, **2017**, 8, 14175	17.4	54
583	A new SNP assay for identification of highly degraded human DNA. *Forensic Science International: Genetics*, **2012**, 6, 341-9	4.3	54
582	Genomic rearrangements at the BRCA1 locus in Spanish families with breast/ovarian cancer. *Clinical Chemistry*, **2006**, 52, 1480-5	5.5	54
581	Development of a forensic skin colour predictive test. *Forensic Science International: Genetics*, **2014**, 13, 34-44	4.3	53
580	A C-terminal mutation of ATP1A3 underscores the crucial role of sodium affinity in the pathophysiology of rapid-onset dystonia-parkinsonism. *Human Molecular Genetics*, **2009**, 18, 2370-7	5.6	53
579	Forensic typing of autosomal SNPs with a 29 SNP-multiplex--results of a collaborative EDNAP exercise. *Forensic Science International: Genetics*, **2008**, 2, 176-83	4.3	53
578	Typing short amplicon binary polymorphisms: supplementary SNP and Indel genetic information in the analysis of highly degraded skeletal remains. *Forensic Science International: Genetics*, **2012**, 6, 469-76	4.3	52
577	The impact of modern migrations on present-day multi-ethnic Argentina as recorded on the mitochondrial DNA genome. *BMC Genetics*, **2011**, 12, 77	2.6	52
576	Gender bias in the multiethnic genetic composition of central Argentina. *Journal of Human Genetics* , **2008**, 53, 662-674	4.3	52

575	Rapid Real-Time Fluorescent PCR Gene Dosage Test for the Diagnosis of DNA Duplications and Deletions. *Clinical Chemistry*, **2000**, 46, 1574-1582	5.5	52
574	Meta-analysis of Genome Wide Association Studies Identifies Genetic Markers of Late Toxicity Following Radiotherapy for Prostate Cancer. *EBioMedicine*, **2016**, 10, 150-63	8.8	50
573	The use of the STRs HUMTH01, HUMVWA31/A, HUMF13A1, HUMFES/FPS, HUMLPL in forensic application: validation studies and population data for Galicia (NW Spain). *International Journal of Legal Medicine*, **1995**, 107, 283-90	3.1	49
572	Shipwrecks and founder effects: divergent demographic histories reflected in Caribbean mtDNA. *American Journal of Physical Anthropology*, **2005**, 128, 855-60	2.5	48
571	Fine-mapping of the HNF1B multicancer locus identifies candidate variants that mediate endometrial cancer risk. *Human Molecular Genetics*, **2015**, 24, 1478-92	5.6	46
570	Chimpanzee homologous of human Y specific STRs. A comparative study and a proposal for nomenclature. *Forensic Science International*, **2002**, 126, 129-36	2.6	46
569	Genome-wide association analysis of dementia and its clinical endophenotypes reveal novel loci associated with Alzheimer's disease and three causality networks: The GR@ACE project. *Alzheimer's and Dementia*, **2019**, 15, 1333-1347	1.2	45
568	Digging deeper into East African human Y chromosome lineages. *Human Genetics*, **2010**, 127, 603-13	6.3	45
567	Detection of a large rearrangement in PALB2 in Spanish breast cancer families with male breast cancer. *Breast Cancer Research and Treatment*, **2012**, 132, 307-15	4.4	44
566	Reconstructing ancient mitochondrial DNA links between Africa and Europe. *Genome Research*, **2012**, 22, 821-6	9.7	44
565	A strong genetic association between the tumor necrosis factor locus and proliferative vitreoretinopathy: the retina 4 project. *Ophthalmology*, **2010**, 117, 2417-2423.e1-2	7.3	44
564	Insertion/deletion polymorphisms: A multiplex assay and forensic applications. *Forensic Science International: Genetics Supplement Series*, **2009**, 2, 513-515	0.5	44
563	17 STR data (AmpF/STR Identifiler and Powerplex 16 System) from Cabinda (Angola). *Forensic Science International*, **2004**, 141, 193-6	2.6	44
562	Ethical-legal problems of DNA databases in criminal investigation. *Journal of Medical Ethics*, **2000**, 26, 266-71	2.5	44
561	The SNPforID browser: an online tool for query and display of frequency data from the SNPforID project. *International Journal of Legal Medicine*, **2008**, 122, 435-40	3.1	43
560	Pacifiplex: an ancestry-informative SNP panel centred on Australia and the Pacific region. *Forensic Science International: Genetics*, **2016**, 20, 71-80	4.3	42
559	Cuba: exploring the history of admixture and the genetic basis of pigmentation using autosomal and uniparental markers. *PLoS Genetics*, **2014**, 10, e1004488	6	42
558	Sarcomeric gene mutations in sudden infant death syndrome (SIDS). *Forensic Science International*, **2012**, 219, 278-81	2.6	42

557	A novel MYH7 mutation links congenital fiber type disproportion and myosin storage myopathy. *Neuromuscular Disorders*, **2011**, 21, 254-62	2.9	42
556	The discoidin domain receptor 1 as a novel susceptibility gene for schizophrenia. *Molecular Psychiatry*, **2007**, 12, 833-41	15.1	42
555	Human genome-wide screen of haplotype-like blocks of reduced diversity. *Gene*, **2005**, 349, 219-25	3.8	42
554	Distribution of Y-chromosome STR defined haplotypes in Iberia. *Forensic Science International*, **2000**, 110, 117-26	2.6	42
553	Susceptibility genetic variants associated with colorectal cancer risk correlate with cancer phenotype. *Gastroenterology*, **2010**, 139, 788-96, 796.e1-6	13.3	41
552	Pharmacogenetics of OATP transporters reveals that SLCO1B1 c.388A>G variant is determinant of increased atorvastatin response. *International Journal of Molecular Sciences*, **2011**, 12, 5815-27	6.3	41
551	Is mitochondrial DNA variation associated with sporadic breast cancer risk?. *Cancer Research*, **2008**, 68, 623-5; author reply 624	10.1	41
550	Mutation spectra of ABCC8 gene in Spanish patients with Hyperinsulinism of Infancy (HI). *Human Mutation*, **2006**, 27, 214	4.7	41
549	RNA/DNA co-analysis from human skin and contact traces--results of a sixth collaborative EDNAP exercise. *Forensic Science International: Genetics*, **2015**, 16, 139-147	4.3	40
548	SNPs as Supplements in Simple Kinship Analysis or as Core Markers in Distant Pairwise Relationship Tests: When Do SNPs Add Value or Replace Well-Established and Powerful STR Tests?. *Transfusion Medicine and Hemotherapy*, **2012**, 39, 202-210	4.2	40
547	High frequency and founder effect of the CYP3A4*20 loss-of-function allele in the Spanish population classifies CYP3A4 as a polymorphic enzyme. *Pharmacogenomics Journal*, **2015**, 15, 288-92	3.5	39
546	Forensic genetics and genomics: Much more than just a human affair. *PLoS Genetics*, **2017**, 13, e1006960	6	39
545	A method for the analysis of 32 X chromosome insertion deletion polymorphisms in a single PCR. *International Journal of Legal Medicine*, **2012**, 126, 97-105	3.1	39
544	Prevalence of somatic mutl homolog 1 promoter hypermethylation in Lynch syndrome colorectal cancer. *Cancer*, **2015**, 121, 1395-404	6.4	39
543	COGENT (COlorectal cancer GENeTics): an international consortium to study the role of polymorphic variation on the risk of colorectal cancer. *British Journal of Cancer*, **2010**, 102, 447-54	8.7	39
542	The mtDNA ancestry of admixed Colombian populations. *American Journal of Human Biology*, **2008**, 20, 584-91	2.7	39
541	Inter-laboratory evaluation of the EUROFORGEN Global ancestry-informative SNP panel by massively parallel sequencing using the Ion PGM *Forensic Science International: Genetics*, **2016**, 23, 178-189	4.3	38
540	Molecular analysis of the APC and MUTYH genes in Galician and Catalonian FAP families: a different spectrum of mutations?. *BMC Medical Genetics*, **2009**, 10, 57	2.1	38

539	Identification of Mycobacterium marinum in sea-urchin granulomas. *British Journal of Dermatology*, **2001**, 145, 114-6	4	38
538	Tetra-allelic SNPs: Informative forensic markers compiled from public whole-genome sequence data. *Forensic Science International: Genetics*, **2015**, 19, 100-106	4.3	36
537	DNA mixtures in forensic casework: a 4-year retrospective study. *Forensic Science International*, **2003**, 134, 180-6	2.6	36
536	Micro-geographical differentiation in Northern Iberia revealed by Y-chromosomal DNA analysis. *Gene*, **2004**, 329, 17-25	3.8	36
535	Results of a collaborative study of the EDNAP group regarding the reproducibility and robustness of the Y-chromosome STRs DYS19, DYS389 I and II, DYS390 and DYS393 in a PCR pentaplex format. *Forensic Science International*, **2001**, 119, 28-41	2.6	36
534	The 1998-1999 collaborative exercises and proficiency testing program on DNA typing of the Spanish and Portuguese Working Group of the International Society for Forensic Genetics (GEP-ISFG). *Forensic Science International*, **2000**, 114, 21-30	2.6	36
533	Analysis of PALB2 gene in BRCA1/BRCA2 negative Spanish hereditary breast/ovarian cancer families with pancreatic cancer cases. *PLoS ONE*, **2013**, 8, e67538	3.7	35
532	Y chromosome STR haplotypes: genetic and sequencing data of the Galician population (NW Spain). *International Journal of Legal Medicine*, **1998**, 112, 15-21	3.1	35
531	mtDNA mutations in tumors of the central nervous system reflect the neutral evolution of mtDNA in populations. *Oncogene*, **2004**, 23, 1314-20	9.2	35
530	Patterns of genetic differentiation and the footprints of historical migrations in the Iberian Peninsula. *Nature Communications*, **2019**, 10, 551	17.4	34
529	Thyroid cancer GWAS identifies 10q26.12 and 6q14.1 as novel susceptibility loci and reveals genetic heterogeneity among populations. *International Journal of Cancer*, **2015**, 137, 1870-8	7.5	34
528	Evaluation of DNA variants associated with androgenetic alopecia and their potential to predict male pattern baldness. *PLoS ONE*, **2015**, 10, e0127852	3.7	34
527	Use of a comprehensive panel of biomarkers to predict response to a fluorouracil-oxaliplatin regimen in patients with metastatic colorectal cancer. *Pharmacogenomics*, **2011**, 12, 433-42	2.6	34
526	RAS gene polymorphisms, classical risk factors and the advent of coronary artery disease in the Portuguese population. *BMC Cardiovascular Disorders*, **2008**, 8, 15	2.3	34
525	Naturalistic pharmacogenetic study of treatment resistance to typical neuroleptics in European-Brazilian schizophrenics. *Pharmacogenetics and Genomics*, **2008**, 18, 599-609	1.9	34
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