

Peter Gill

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62
papers

4,859
citations

30
h-index

62
g-index

62
ext. papers

5,483
ext. citations

7.1
avg. IF

5.48
L-index

#	Paper	IF	Citations
62	Forensic application of DNA Fingerprints <i>Nature</i> , 1985 , 318, 577-9	50.4	833
61	Identification of the remains of the Romanov family by DNA analysis. <i>Nature Genetics</i> , 1994 , 6, 130-5	36.3	496
60	An investigation of the rigor of interpretation rules for STRs derived from less than 100 pg of DNA. <i>Forensic Science International</i> , 2000 , 112, 17-40	2.6	446
59	Encoded evidence: DNA in forensic analysis. <i>Nature Reviews Genetics</i> , 2004 , 5, 739-51	30.1	368
58	A high observed substitution rate in the human mitochondrial DNA control region. <i>Nature Genetics</i> , 1997 , 15, 363-8	36.3	350
57	Forensic application of a rapid and quantitative DNA sex test by amplification of the X-Y homologous gene amelogenin. <i>International Journal of Legal Medicine</i> , 1994 , 106, 190-3	3.1	171
56	An assessment of the utility of single nucleotide polymorphisms (SNPs) for forensic purposes. <i>International Journal of Legal Medicine</i> , 2001 , 114, 204-10	3.1	166
55	Massively parallel sequencing of forensic STRs: Considerations of the DNA commission of the International Society for Forensic Genetics (ISFG) on minimal nomenclature requirements. <i>Forensic Science International: Genetics</i> , 2016 , 22, 54-63	4.3	148
54	Evaluation of an automated DNA profiling system employing multiplex amplification of four tetrameric STR loci. <i>International Journal of Legal Medicine</i> , 1994 , 106, 302-11	3.1	139
53	EuroForMix: An open source software based on a continuous model to evaluate STR DNA profiles from a mixture of contributors with artefacts. <i>Forensic Science International: Genetics</i> , 2016 , 21, 35-44	4.3	127
52	Mystery solved: the identification of the two missing Romanov children using DNA analysis. <i>PLoS ONE</i> , 2009 , 4, e4838	3.7	106
51	Role of short tandem repeat DNA in forensic casework in the UK--past, present, and future perspectives. <i>BioTechniques</i> , 2002 , 32, 366-8, 370, 372, passim	2.5	94
50	Validation of highly discriminating multiplex short tandem repeat amplification systems for individual identification. <i>Electrophoresis</i> , 1996 , 17, 1283-93	3.6	93
49	Recommendations of the DNA Commission of the International Society for Forensic Genetics (ISFG) on quality control of autosomal Short Tandem Repeat allele frequency databasing (STRidER). <i>Forensic Science International: Genetics</i> , 2016 , 24, 97-102	4.3	91
48	Genotyping and interpretation of STR-DNA: Low-template, mixtures and database matches--Twenty years of research and development. <i>Forensic Science International: Genetics</i> , 2015 , 18, 100-17	4.3	90
47	An evaluation of DNA fingerprinting for forensic purposes. <i>Electrophoresis</i> , 1987 , 8, 38-44	3.6	86
46	An assessment of whether SNPs will replace STRs in national DNA databases--joint considerations of the DNA working group of the European Network of Forensic Science Institutes (ENFSI) and the Scientific Working Group on DNA Analysis Methods (SWGDM). <i>Science and Justice - Journal of the Forensic Science Society</i> , 2004 , 44, 51-8	2	81

45	The analysis of hypervariable DNA profiles: problems associated with the objective determination of the probability of a match. <i>Human Genetics</i> , 1990 , 85, 75-9	6.3	61
44	Automated amplification and sequencing of human mitochondrial DNA. <i>Electrophoresis</i> , 1991 , 12, 17-21	3.6	59
43	Individual specific DNA fingerprints from a hypervariable region probe: alpha-globin 3THVR. <i>Human Genetics</i> , 1988 , 79, 142-6	6.3	58
42	DNA commission of the International society for forensic genetics: Assessing the value of forensic biological evidence - Guidelines highlighting the importance of propositions: Part I: evaluation of DNA profiling comparisons given (sub-) source propositions. <i>Forensic Science International: Genetics</i> ,	4.3	56
41	An evaluation of potential allelic association between the STRs vWA and D12S391: implications in criminal casework and applications to short pedigrees. <i>Forensic Science International: Genetics</i> , 2012 , 6, 477-86	4.3	54
40	A comparative study of qualitative and quantitative models used to interpret complex STR DNA profiles. <i>Forensic Science International: Genetics</i> , 2016 , 25, 85-96	4.3	54
39	Secondary and subsequent DNA transfer during criminal investigation. <i>Forensic Science International: Genetics</i> , 2015 , 17, 155-162	4.3	53
38	The implications of shedder status and background DNA on direct and secondary transfer in an attack scenario. <i>Forensic Science International: Genetics</i> , 2017 , 29, 48-60	4.3	52
37	Automated short tandem repeat (STR) analysis in forensic casework--a strategy for the future. <i>Electrophoresis</i> , 1995 , 16, 1543-52	3.6	52
36	Exclusion of a man charged with murder by DNA fingerprinting. <i>Forensic Science International</i> , 1987 , 35, 145-8	2.6	43
35	Population genetics of short tandem repeat (STR) loci. <i>Genetica</i> , 1995 , 96, 69-87	1.5	40
34	Body fluid prediction from microbial patterns for forensic application. <i>Forensic Science International: Genetics</i> , 2017 , 30, 10-17	4.3	38
33	Analysis and implications of the miscarriages of justice of Amanda Knox and Raffaele Sollecito. <i>Forensic Science International: Genetics</i> , 2016 , 23, 9-18	4.3	33
32	A new method for sex determination of the donor of forensic samples using a recombinant DNA probe. <i>Electrophoresis</i> , 1987 , 8, 35-38	3.6	28
31	Exact computation of the distribution of likelihood ratios with forensic applications. <i>Forensic Science International: Genetics</i> , 2014 , 9, 93-101	4.3	27
30	Establishing the identity of Anna Anderson Manahan. <i>Nature Genetics</i> , 1995 , 9, 9-10	36.3	27
29	DNA commission of the International society for forensic genetics: Assessing the value of forensic biological evidence - Guidelines highlighting the importance of propositions. Part II: Evaluation of biological traces considering activity level propositions. <i>Forensic Science International: Genetics</i> , 2020 , 44, 102186	4.3	27
28	Open source software EuroForMix can be used to analyse complex SNP mixtures. <i>Forensic Science International: Genetics</i> , 2017 , 31, 105-110	4.3	26

27	Contamination during criminal investigation: Detecting police contamination and secondary DNA transfer from evidence bags. <i>Forensic Science International: Genetics</i> , 2016 , 23, 121-129	4.3	26
26	Guidelines for Mitochondrial DNA Typing. <i>Vox Sanguinis</i> , 2000 , 79, 121-125	3.1	17
25	Characterization of degradation and heterozygote balance by simulation of the forensic DNA analysis process. <i>International Journal of Legal Medicine</i> , 2017 , 131, 303-317	3.1	15
24	Validation of probabilistic genotyping software for use in forensic DNA casework: Definitions and illustrations. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016 , 56, 104-8	2	15
23	Optimizing body fluid recognition from microbial taxonomic profiles. <i>Forensic Science International: Genetics</i> , 2018 , 37, 13-20	4.3	15
22	STR-validator: an open source platform for validation and process control. <i>Forensic Science International: Genetics</i> , 2014 , 13, 154-66	4.3	13
21	Database extraction strategies for low-template evidence. <i>Forensic Science International: Genetics</i> , 2014 , 9, 134-41	4.3	12
20	CaseSolver: An investigative open source expert system based on EuroForMix. <i>Forensic Science International: Genetics</i> , 2019 , 41, 83-92	4.3	11
19	Development of a simulation model to assess the impact of contamination in casework using STRs. <i>Journal of Forensic Sciences</i> , 2004 , 49, 485-91	1.8	10
18	Degradation in forensic trace DNA samples explored by massively parallel sequencing. <i>Forensic Science International: Genetics</i> , 2017 , 27, 160-166	4.3	8
17	A response to "About the number of Contributors to a forensic sample". <i>Forensic Science International: Genetics</i> , 2017 , 26, e9-e13	4.3	7
16	LCN DNA: proof beyond reasonable doubt? - a response. <i>Nature Reviews Genetics</i> , 2008 , 9, 726; author reply 726	30.1	6
15	An examination of STR nomenclatures, filters and models for MPS mixture interpretation. <i>Forensic Science International: Genetics</i> , 2020 , 48, 102319	4.3	5
14	A retrospective study on the transfer, persistence and recovery of sperm and epithelial cells in samples collected in sexual assault casework. <i>Forensic Science International: Genetics</i> , 2019 , 43, 102153	4.3	5
13	Are low LR's reliable?. <i>Forensic Science International: Genetics</i> , 2020 , 49, 102350	4.3	5
12	Population genetics of short tandem repeat (STR) loci. <i>Contemporary Issues in Genetics and Evolution</i> , 1995 , 69-87		5
11	An LR framework incorporating sensitivity analysis to model multiple direct and secondary transfer events on skin surface. <i>Forensic Science International: Genetics</i> , 2021 , 53, 102509	4.3	4
10	Determination of shedder status: A comparison of two methods involving cell counting in fingerprints and the DNA analysis of handheld tubes. <i>Forensic Science International: Genetics</i> , 2021 , 53, 102541	4.3	3

9	Overcoming the undetected inhibition of bone DNA extracts obtained by total demineralization. <i>Forensic Science International: Genetics</i> , 2020 , 48, 102363	4-3	2
8	DNA Profiling in Forensic Science 2001 ,		1
7	Source level interpretation of mixed biological stains using coding region SNPs.. <i>Forensic Science International: Genetics</i> , 2022 , 59, 102685	4-3	1
6	Non-self DNA on the neck: a 24 hours time-course study.. <i>Forensic Science International: Genetics</i> , 2022 , 57, 102661	4-3	0
5	RFU derived LR for activity level assignments using Bayesian Networks. <i>Forensic Science International: Genetics</i> , 2022 , 56, 102608	4-3	0
4	Re: Riman et al. Examining performance and likelihood ratios for two likelihood ratio systems using the PROVEDIT dataset.. <i>Forensic Science International: Genetics</i> , 2022 , 102709	4-3	0
3	Expert Systems in DNA Interpretation 2015 , 1-7		
2	Low-template DNA 2020 , 111-128		
1	Estimating wildlife vaccination coverage using genetic methods. <i>Preventive Veterinary Medicine</i> , 2020 , 183, 105096	3-1	