George T Duncan

List of Publications by Year
in descending order

36 papers	689 citations	623188 14 h-index	580395 25 g-index
36 all docs	36 docs citations	36 times ranked	581 citing authors

#	Article	IF	Citations
1	Match statistics for sequenceâ€based alleles in profiles from forensic PCRâ€mps kits. Electrophoresis, 2021, 42, 756-765.	1.3	5
2	A dataâ€driven, highâ€throughput methodology to determine tissueâ€specific differentially methylated regions able to discriminate body fluids. Electrophoresis, 2021, 42, 1168-1176.	1.3	4
3	BIO-INSPIRED MAGNETIC BEADS FOR ISOLATION OF SPERM FROM HETEROGENOUS SAMPLES IN FORENSIC APPLICATIONS. Forensic Science International: Genetics, 2021, 52, 102451.	1.6	12
4	Detecting personal microbiota signatures at artificial crime scenes. Forensic Science International, 2020, 313, 110351.	1.3	19
5	A confirmatory test for sperm in sexual assault samples using a microfluidic-integrated cell phone imaging system. Forensic Science International: Genetics, 2020, 48, 102313.	1.6	15
6	Development of a microfluidic device (Î¼PADs) for forensic serological analysis. Analytical Methods, 2019, 11, 587-595.	1.3	15
7	Applications of epigenetic methylation in body fluid identification, age determination and phenotyping. Forensic Science International: Genetics Supplement Series, 2019, 7, 485-487.	0.1	4
8	Forensic DNA Analysis. Analytical Chemistry, 2019, 91, 673-688.	3.2	41
9	Internal validation of STRmixâ„¢ â€“ A multi laboratory response to PCAST. Forensic Science International: Genetics, 2018, 34, 11-24.	1.6	72
10	A Novel Onâ€Chip Method for Differential Extraction of Sperm in Forensic Cases. Advanced Science, 2018, 5, 1800121.	5.6	34
11	FlipTubeâ„¢ technology promotes clean manipulation of forensic samples on automated robotic workstations. Forensic Science International: Genetics Supplement Series, 2017, 6, e15-e17.	0.1	2
12	Forensic discrimination of vaginal epithelia by DNA methylation analysis through pyrosequencing. Electrophoresis, 2016, 37, 2751-2758.	1.3	15
13	Developmental validation studies of epigenetic DNA methylation markers for the detection of blood, semen and saliva samples. Forensic Science International: Genetics, 2016, 23, 55-63.	1.6	67
14	High-resolution melt analysis of DNA methylation to discriminate semen in biological stains. Analytical Biochemistry, 2016, 494, 40-45.	1.1	28
15	Evaluation of DNA methylation markers and their potential to predict human aging. Electrophoresis, 2015, 36, 1775-1780.	1.3	35
16	Tissue-Specific DNA Methylation Patterns in Forensic Samples Detected by PyrosequencingÂ®. Methods in Molecular Biology, 2015, 1315, 397-409.	0.4	6
17	An Investigation of PCR Inhibition Using Plexor^{Â®}â€Based Quantitative PCR and Short Tandem Repeat Amplification. Journal of Forensic Sciences, 2014, 59, 1517-1529.	0.9	34
18	Identification of spermatozoa by tissueâ€specific differential <scp>DNA</scp> methylation using bisulfite modification and pyrosequencing. Electrophoresis, 2014, 35, 3079-3086.	1.3	14

#	Article	IF	Citations
19	Highâ€resolution melt analysis of the minisatellite D1S80: A potential forensic screening tool. Electrophoresis, 2014, 35, 3020-3027.	1.3	3
20	Mutation at the Human D1S80 Minisatellite Locus. Scientific World Journal, The, 2012, 2012, 1-8.	0.8	3
21	The determination of tissueâ€specific <scp>DNA</scp> methylation patterns in forensic biofluids using bisulfite modification and pyrosequencing. Electrophoresis, 2012, 33, 1736-1745.	1.3	98
22	Y chromosome STR allelic and haplotype diversity in a Rwanda population from East Central Africa. Legal Medicine, 2012, 14, 105-109.	0.6	5
23	An analysis of single and multi-copy methods for DNA quantitation by real-time polymerase chain reaction. Forensic Science International: Genetics, 2011, 5, 185-193.	1.6	14
24	Y chromosome STR allelic and haplotype diversity in five ethnic Tamil populations from Tamil Nadu, India. Legal Medicine, 2010, 12, 265-269.	0.6	7
25	Genetic variation of 15 autosomal microsatellite loci in a Tamil population from Tamil Nadu, Southern India. Legal Medicine, 2010, 12, 320-323.	0.6	25
26	Investigating SNPs Flanking the D1S80 Locus in a Tamil Population from India. Human Biology, 2010, 82, 221-226.	0.4	2
27	A low-cost, high-throughput, automated single nucleotide polymorphism assay for forensic human DNA applications. Analytical Biochemistry, 2009, 395, 61-67.	1.1	22
28	D1S80 Single-Locus Discrimination Among African Populations. Human Biology, 2004, 76, 87-108.	0.4	14
29	Allele Frequencies of 13 STR Loci and the D1S80 Locus in a Tamil Population from Madras, India. Journal of Forensic Sciences, 2001, 46, 1515-1517.	0.9	8
30	Distribution of the HLA-DQA1 and polymarker alleles in the Basque population of Spain. Forensic Science International, 2000, 108, 145-151.	1.3	12
31	Distribution of D1S80 alleles in the Jordanian population. International Journal of Legal Medicine, 1998, 111, 276-277.	1.2	1
32	Microvariation at the human D1S80 locus. International Journal of Legal Medicine, 1997, 110, 150-154.	1.2	20
33	Hinf I/Tsp 509 I: and BsoF I polymorphisms in the flanking regions of the human VNTR locus D 1S80. Genetic Analysis, Techniques and Applications, 1996, 13, 119-121.	1.5	4
34	Development of a deoxyribonucleic acid (DNA) restriction fragment length polymorphism (RFLP) database for Punjabis in East Punjab, India. Forensic Science International, 1996, 79, 187-198.	1.3	2
35	Human phylogenetic relationships according to the D1S80 locus. Genetica, 1996, 98, 277-287.	0.5	24
36	Comparison of VNTR allele frequencies and inclusion probabilities over six populations. Genetica, 1993, 88, 51-57.	0.5	3