

George T Duncan

List of Publications by Year in descending order

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Version: 2024-02-01

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	The determination of tissue-specific DNA methylation patterns in forensic biofluids using bisulfite modification and pyrosequencing. <i>Electrophoresis</i> , 2012, 33, 1736-1745.	1.3	98
2	Internal validation of STRmix: A multi laboratory response to PCAST. <i>Forensic Science International: Genetics</i> , 2018, 34, 11-24.	1.6	72
3	Developmental validation studies of epigenetic DNA methylation markers for the detection of blood, semen and saliva samples. <i>Forensic Science International: Genetics</i> , 2016, 23, 55-63.	1.6	67
4	Forensic DNA Analysis. <i>Analytical Chemistry</i> , 2019, 91, 673-688.	3.2	41
5	Evaluation of DNA methylation markers and their potential to predict human aging. <i>Electrophoresis</i> , 2015, 36, 1775-1780.	1.3	35
6	An Investigation of PCR Inhibition Using Plexor-Based Quantitative PCR and Short Tandem Repeat Amplification. <i>Journal of Forensic Sciences</i> , 2014, 59, 1517-1529.	0.9	34
7	A Novel On-Chip Method for Differential Extraction of Sperm in Forensic Cases. <i>Advanced Science</i> , 2018, 5, 1800121.	5.6	34
8	High-resolution melt analysis of DNA methylation to discriminate semen in biological stains. <i>Analytical Biochemistry</i> , 2016, 494, 40-45.	1.1	28
9	Genetic variation of 15 autosomal microsatellite loci in a Tamil population from Tamil Nadu, Southern India. <i>Legal Medicine</i> , 2010, 12, 320-323.	0.6	25
10	Human phylogenetic relationships according to the D1S80 locus. <i>Genetica</i> , 1996, 98, 277-287.	0.5	24
11	A low-cost, high-throughput, automated single nucleotide polymorphism assay for forensic human DNA applications. <i>Analytical Biochemistry</i> , 2009, 395, 61-67.	1.1	22
12	Microvariation at the human D1S80 locus. <i>International Journal of Legal Medicine</i> , 1997, 110, 150-154.	1.2	20
13	Detecting personal microbiota signatures at artificial crime scenes. <i>Forensic Science International</i> , 2020, 313, 110351.	1.3	19
14	Forensic discrimination of vaginal epithelia by DNA methylation analysis through pyrosequencing. <i>Electrophoresis</i> , 2016, 37, 2751-2758.	1.3	15
15	Development of a microfluidic device (µPADs) for forensic serological analysis. <i>Analytical Methods</i> , 2019, 11, 587-595.	1.3	15
16	A confirmatory test for sperm in sexual assault samples using a microfluidic-integrated cell phone imaging system. <i>Forensic Science International: Genetics</i> , 2020, 48, 102313.	1.6	15
17	D1S80 Single-Locus Discrimination Among African Populations. <i>Human Biology</i> , 2004, 76, 87-108.	0.4	14
18	An analysis of single and multi-copy methods for DNA quantitation by real-time polymerase chain reaction. <i>Forensic Science International: Genetics</i> , 2011, 5, 185-193.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Identification of spermatozoa by tissue-specific differential <sc>DNA</sc> methylation using bisulfite modification and pyrosequencing. Electrophoresis, 2014, 35, 3079-3086.	1.3	14
20	Distribution of the HLA-DQA1 and polymarker alleles in the Basque population of Spain. Forensic Science International, 2000, 108, 145-151.	1.3	12
21	BIO-INSPIRED MAGNETIC BEADS FOR ISOLATION OF SPERM FROM HETEROGENOUS SAMPLES IN FORENSIC APPLICATIONS. Forensic Science International: Genetics, 2021, 52, 102451.	1.6	12
22	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
23	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
24	Tissue-Specific DNA Methylation Patterns in Forensic Samples Detected by Pyrosequencing [®] . Methods in Molecular Biology, 2015, 1315, 397-409.	0.4	6
25	Y chromosome STR allelic and haplotype diversity in a Rwanda population from East Central Africa. Legal Medicine, 2012, 14, 105-109.	0.6	5
26	Match statistics for sequence-based alleles in profiles from forensic PCR-mp kits. Electrophoresis, 2021, 42, 756-765.	1.3	5
27	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
28	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
29	A data-driven, high-throughput methodology to determine tissue-specific differentially methylated regions able to discriminate body fluids. Electrophoresis, 2021, 42, 1168-1176.	1.3	4
30	Comparison of VNTR allele frequencies and inclusion probabilities over six populations. Genetica, 1993, 88, 51-57.	0.5	3
31	Mutation at the Human D1S80 Minisatellite Locus. Scientific World Journal, The, 2012, 2012, 1-8.	0.8	3
32	High-resolution melt analysis of the minisatellite D1S80: A potential forensic screening tool. Electrophoresis, 2014, 35, 3020-3027.	1.3	3
33	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
34	Investigating SNPs Flanking the D1S80 Locus in a Tamil Population from India. Human Biology, 2010, 82, 221-226.	0.4	2
35	FlipTube [™] technology promotes clean manipulation of forensic samples on automated robotic workstations. Forensic Science International: Genetics Supplement Series, 2017, 6, e15-e17.	0.1	2
36	Distribution of D1S80 alleles in the Jordanian population. International Journal of Legal Medicine, 1998, 111, 276-277.	1.2	1