Mitchell M Holland

List of Publications by Year
in descending order

29 papers	2,235 citations	471509 17 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	1799 citing authors

#	Article	IF	Citations
1	The time is now for ubiquitous forensic<scp>mtMPS</scp>analysis. Wiley Interdisciplinary Reviews Forensic Science, 2022, 4, .	2.1	7
2	MaSTRâ„¢: an effective probabilistic genotyping tool for interpretation of STR mixtures associated with differentially degraded DNA. International Journal of Legal Medicine, 2022, 136, 433-446.	2.2	4
3	Exploring statistical weight estimates for mitochondrial DNA matches involving heteroplasmy. International Journal of Legal Medicine, 2022, 136, 671-685.	2.2	5
4	Damage patterns observed in mtDNA control region MPS data for a range of template concentrations and when using different amplification approaches. International Journal of Legal Medicine, 2021, 135, 91-106.	2.2	8
5	A Forensic Genomics Approach for the Identification of Sister Marija Crucifiksa KozuliÄ‡. Genes, 2020, 11, 938.	2.4	4
6	Characterization of background noise in MiSeq MPS data when sequencing human mitochondrial DNA from various sample sources and library preparation methods. Mitochondrion, 2020, 52, 40-55.	3.4	15
7	Impact of DNA degradation on massively parallel sequencing-based autosomal STR, iiSNP, and mitochondrial DNA typing systems. International Journal of Legal Medicine, 2019, 133, 1369-1380.	2.2	15
8	Recovery of mtDNA from unfired metallic ammunition components with an assessment of sequence profile quality and DNA damage through MPS analysis. Forensic Science International: Genetics, 2019, 39, 86-96.	3.1	29
9	Assessing heteroplasmic variant drift in the mtDNA control region of human hairs using an MPS approach. Forensic Science International: Genetics, 2018, 32, 7-17.	3.1	41
10	Deep-Coverage MPS Analysis of Heteroplasmic Variants within the mtGenome Allows for Frequent Differentiation of Maternal Relatives. Genes, 2018, 9, 124.	2.4	30
11	MPS analysis of the mtDNA hypervariable regions on the MiSeq with improved enrichment. International Journal of Legal Medicine, 2017, 131, 919-931.	2.2	16
12	Evaluation of GeneMarker Â® HTS for improved alignment of mtDNA MPS data, haplotype determination, and heteroplasmy assessment. Forensic Science International: Genetics, 2017, 28, 90-98.	3.1	34
13	Considering DNA damage when interpreting mtDNA heteroplasmy in deep sequencing data. Forensic Science International: Genetics, 2017, 26, 1-11.	3.1	36
14	A custom software solution for forensic mtDNA analysis of MiSeq data. Forensic Science International: Genetics Supplement Series, 2015, 5, e614-e616.	0.3	3
15	Evaluation of the RapidHITâ„¢ 200, an automated human identification system for STR analysis of single source samples. Forensic Science International: Genetics, 2015, 14, 76-85.	3.1	33
16	Maternal age effect and severe germ-line bottleneck in the inheritance of human mitochondrial DNA. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15474-15479.	7.1	201
17	Development and assessment of an optimized next-generation DNA sequencing approach for the mtgenome using the Illumina MiSeq. Forensic Science International: Genetics, 2014, 13, 20-29.	3.1	99
18	Forensic Aspects of mtDNA Analysis. , 2014, , 85-104.		1

#	Article	IF	Citations
19	Molecular Analysis of the Human Mitochondrial DNA Control Region for Forensic Identity Testing. Current Protocols in Human Genetics, 2012, 74, Unit14.7.	3.5	4
20	GeneMarkerÂ® HID: A Reliable Software Tool for the Analysis of Forensic STR Data. Journal of Forensic Sciences, 2011, 56, 29-35.	1.6	165
21	Second generation sequencing allows for mtDNA mixture deconvolution and high resolution detection of heteroplasmy. Croatian Medical Journal, 2011, 52, 299-313.	0.7	101
22	Improved MtDNA Sequence Analysis of Forensic Remains Using a â€œMini-Primer Setâ€•Amplification Strategy. Journal of Forensic Sciences, 2001, 46, 247-253.	1.6	118
23	Human Hair Histogenesis for the Mitochondrial DNA Forensic Scientist. Journal of Forensic Sciences, 2001, 46, 844-853.	1.6	82
24	A Sensitive Denaturing Gradient-Gel Electrophoresis Assay Reveals a High Frequency of Heteroplasmy in Hypervariable Region 1 of the Human mtDNA Control Region**Disclaimer: The opinions and assertions expressed herein are solely those of the authors and are not to be construed as official or the views of the United States Department of Defense, the United States Department of the Army, or the United States Department of Commerce. This paper is a contribution of the United States National Institute of Standar. American Journal of Human Genetics, 2000, 67, 432-443.	6.2	121
25	Mitochondrial DNA regions HVI and HVII population data. Forensic Science International, 1999, 103, 23-35.	2.2	125
26	Amplification and Sequencing of Mitochondrial DNA in Forensic Casework. , 1998, 98, 213-224.		16
27	A high observed substitution rate in the human mitochondrial DNA control region. Nature Genetics, 1997, 15, 363-368.	21.4	409
28	Mitochondrial DNA sequence heteroplasmy in the Grand Duke of Russia Georgij Romanov establishes the authenticity of the remains of Tsar Nicholas II. Nature Genetics, 1996, 12, 417-420.	21.4	280
29	Mitochondrial DNA Sequence Analysis of Human Skeletal Remains: Identification of Remains from the Vietnam War. Journal of Forensic Sciences, 1993, 38, 542-553.	1.6	233