

# Mitchell M Holland

## List of Publications by Year in descending order

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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	A high observed substitution rate in the human mitochondrial DNA control region. <i>Nature Genetics</i> , 1997, 15, 363-368.	21.4	409
2	Mitochondrial DNA sequence heteroplasmy in the Grand Duke of Russia Georgij Romanov establishes the authenticity of the remains of Tsar Nicholas II. <i>Nature Genetics</i> , 1996, 12, 417-420.	21.4	280
3	Mitochondrial DNA Sequence Analysis of Human Skeletal Remains: Identification of Remains from the Vietnam War. <i>Journal of Forensic Sciences</i> , 1993, 38, 542-553.	1.6	233
4	Maternal age effect and severe germ-line bottleneck in the inheritance of human mitochondrial DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15474-15479.	7.1	201
5	GeneMarker® HID: A Reliable Software Tool for the Analysis of Forensic STR Data. <i>Journal of Forensic Sciences</i> , 2011, 56, 29-35.	1.6	165
6	Mitochondrial DNA regions HVI and HVII population data. <i>Forensic Science International</i> , 1999, 103, 23-35.	2.2	125
7	<a href="#">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 Standard.</a> <i>American Journal of Human Genetics</i> , 2000, 67, 432-443.	6.2	121
8	Improved MtDNA Sequence Analysis of Forensic Remains Using a "Mini-Primer Set" Amplification Strategy. <i>Journal of Forensic Sciences</i> , 2001, 46, 247-253.	1.6	118
9	Second generation sequencing allows for mtDNA mixture deconvolution and high resolution detection of heteroplasmy. <i>Croatian Medical Journal</i> , 2011, 52, 299-313.	0.7	101
10	Development and assessment of an optimized next-generation DNA sequencing approach for the mtgenome using the Illumina MiSeq. <i>Forensic Science International: Genetics</i> , 2014, 13, 20-29.	3.1	99
11	Human Hair Histogenesis for the Mitochondrial DNA Forensic Scientist. <i>Journal of Forensic Sciences</i> , 2001, 46, 844-853.	1.6	82
12	Assessing heteroplasmic variant drift in the mtDNA control region of human hairs using an MPS approach. <i>Forensic Science International: Genetics</i> , 2018, 32, 7-17.	3.1	41
13	Considering DNA damage when interpreting mtDNA heteroplasmy in deep sequencing data. <i>Forensic Science International: Genetics</i> , 2017, 26, 1-11.	3.1	36
14	Evaluation of GeneMarker® HTS for improved alignment of mtDNA MPS data, haplotype determination, and heteroplasmy assessment. <i>Forensic Science International: Genetics</i> , 2017, 28, 90-98.	3.1	34
15	Evaluation of the RapidHIT™, © 200, an automated human identification system for STR analysis of single source samples. <i>Forensic Science International: Genetics</i> , 2015, 14, 76-85.	3.1	33
16	Deep-Coverage MPS Analysis of Heteroplasmic Variants within the mtGenome Allows for Frequent Differentiation of Maternal Relatives. <i>Genes</i> , 2018, 9, 124.	2.4	30
17	Recovery of mtDNA from unfired metallic ammunition components with an assessment of sequence profile quality and DNA damage through MPS analysis. <i>Forensic Science International: Genetics</i> , 2019, 39, 86-96.	3.1	29
18	Amplification and Sequencing of Mitochondrial DNA in Forensic Casework. , 1998, 98, 213-224.		16

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	The time is now for ubiquitous forensic mtMPS analysis. Wiley Interdisciplinary Reviews Forensic Science, 2022, 4, .	2.1	7
24	Exploring statistical weight estimates for mitochondrial DNA matches involving heteroplasmy. International Journal of Legal Medicine, 2022, 136, 671-685.	2.2	5
25	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
26	A Forensic Genomics Approach for the Identification of Sister Marija Crucifiksa Kozulić. Genes, 2020, 11, 938.	2.4	4
27	MaSTRâ,ç: 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
28	A custom software solution for forensic mtDNA analysis of MiSeq data. Forensic Science International: Genetics Supplement Series, 2015, 5, e614-e616.	0.3	3
29	Forensic Aspects of mtDNA Analysis. , 2014, , 85-104.		1