Niels Morling

List of Publications by Citations

137 papers	3,094 citations	30 h-index	50 g-index
141 ext. papers	3,650 ext. citations	3.6 avg, IF	5.39 L-index

#	Paper	IF	Citations
137	Next generation sequencing and its applications in forensic genetics. *Forensic Science International: Genetics*, **2015**, 18, 78-89	4.3	249
136	A global analysis of Y-chromosomal haplotype diversity for 23 STR loci. *Forensic Science International: Genetics*, **2014**, 12, 12-23	4.3	171
135	Massively parallel sequencing of forensic STRs: Considerations of the DNA commission of the International Society for Forensic Genetics (ISFG) on minimal nomenclature requirements. *Forensic Science International: Genetics*, **2016**, 22, 54-63	4.3	148
134	Toward male individualization with rapidly mutating y-chromosomal short tandem repeats. *Human Mutation*, **2014**, 35, 1021-32	4.7	130
133	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). *Forensic Science International: Genetics*, **2016**, 24, 97-102	4.3	91
132	Second-generation sequencing of forensic STRs using the Ion Torrent HID STR 10-plex and the Ion PGM *Forensic Science International: Genetics*, **2015**, 14, 132-40	4.3	88
131	Evaluation of the Ion Torrent HID SNP 169-plex: A SNP typing assay developed for human identification by second generation sequencing. *Forensic Science International: Genetics*, **2014**, 12, 144-54	4.3	79
130	Second generation sequencing of three STRs D3S1358, D12S391 and D21S11 in Danes and a new nomenclature for sequenced STR alleles. *Forensic Science International: Genetics*, **2014**, 12, 38-41	4.3	67
129	Paternity Testing Commission of the International Society of Forensic Genetics: recommendations on genetic investigations in paternity cases. *Forensic Science International*, **2002**, 129, 148-57	2.6	67
128	Analysis of 12 X-STRs in Greenlanders, Danes and Somalis using Argus X-12. *International Journal of Legal Medicine*, **2012**, 126, 121-8	3.1	62
127	Characterization of mutations and sequence variants in the D21S11 locus by next generation sequencing. *Forensic Science International: Genetics*, **2014**, 8, 68-72	4.3	60
126	Evaluation of the Precision ID Ancestry Panel for crime case work: A SNP typing assay developed for typing of 165 ancestral informative markers. *Forensic Science International: Genetics*, **2017**, 28, 138-145	4.3	58
125	Typing of 30 insertion/deletions in Danes using the first commercial indel kit--Mentype DIPplex. *Forensic Science International: Genetics*, **2012**, 6, e72-4	4.3	58
124	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. *Forensic Science International: Genetics*, **2018**, 36, 189-202	4.3	56
123	Genetic determinants of hair and eye colours in the Scottish and Danish populations. *BMC Genetics*, **2009**, 10, 88	2.6	51
122	Genetic investigations of sudden unexpected deaths in infancy using next-generation sequencing of 100 genes associated with cardiac diseases. *European Journal of Human Genetics*, **2016**, 24, 817-22	5.3	44
121	Forensic and population genetic analyses of Danes, Greenlanders and Somalis typed with the Yfiler Plus PCR amplification kit. *Forensic Science International: Genetics*, **2015**, 16, 232-236	4.3	43

120	Statistical model for degraded DNA samples and adjusted probabilities for allelic drop-out. *Forensic Science International: Genetics*, **2012**, 6, 97-101	4.3	43
119	Genetic investigation of 100 heart genes in sudden unexplained death victims in a forensic setting. *European Journal of Human Genetics*, **2016**, 24, 1797-1802	5.3	41
118	Forensic genetic SNP typing of low-template DNA and highly degraded DNA from crime case samples. *Forensic Science International: Genetics*, **2013**, 7, 345-52	4.3	41
117	A method for the analysis of 32 X chromosome insertion deletion polymorphisms in a single PCR. *International Journal of Legal Medicine*, **2012**, 126, 97-105	3.1	39
116	The discrete Laplace exponential family and estimation of Y-STR haplotype frequencies. *Journal of Theoretical Biology*, **2013**, 329, 39-51	2.3	39
115	Massively parallel pyrosequencing of the mitochondrial genome with the 454 methodology in forensic genetics. *Forensic Science International: Genetics*, **2014**, 12, 30-7	4.3	36
114	Allelic drop-out probabilities estimated by logistic regression--further considerations and practical implementation. *Forensic Science International: Genetics*, **2012**, 6, 263-7	4.3	36
113	ISO 17025 validation of a next-generation sequencing assay for relationship testing. *Electrophoresis* , **2016**, 37, 2822-2831	3.6	35
112	miR-125b induces cellular senescence in malignant melanoma. *BMC Dermatology*, **2014**, 14, 8	2.1	34
111	Evaluation of DNA variants associated with androgenetic alopecia and their potential to predict male pattern baldness. *PLoS ONE*, **2015**, 10, e0127852	3.7	34
110	MDM2 inhibitor nutlin-3a induces apoptosis and senescence in cutaneous T-cell lymphoma: role of p53. *Journal of Investigative Dermatology*, **2012**, 132, 1487-96	4.3	34
109	Increasing the reference populations for the 55 AISNP panel: the need and benefits. *International Journal of Legal Medicine*, **2017**, 131, 913-917	3.1	32
108	Analysis of ancestry informative markers in three main ethnic groups from Ecuador supports a trihybrid origin of Ecuadorians. *Forensic Science International: Genetics*, **2017**, 31, 29-33	4.3	30
107	Introduction of the Python script STRinNGS for analysis of STR regions in FASTQ or BAM files and expansion of the Danish STR sequence database to 11 STRs. *Forensic Science International: Genetics*, **2016**, 21, 68-75	4.3	29
106	Whose DNA is this? How relevant a question? (a note for forensic scientists). *Forensic Science International: Genetics*, **2013**, 7, 467-70	4.3	27
105	Multiplex PCR with minisequencing as an effective high-throughput SNP typing method for formalin-fixed tissue. *Electrophoresis*, **2007**, 28, 2361-7	3.6	27
104	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. *Forensic Science International: Genetics*, **2020**, 44, 102186	4.3	27
103	Evaluation of the predictive capacity of DNA variants associated with straight hair in Europeans. *Forensic Science International: Genetics*, **2015**, 19, 280-288	4.3	26

102	The half-life of 25(OH)D after UVB exposure depends on gender and vitamin D receptor polymorphism but mainly on the start level. *Photochemical and Photobiological Sciences*, **2017**, 16, 985-995	4.2	25
101	Sequencing of 231 forensic genetic markers using the MiSeq FGx forensic genomics system – an evaluation of the assay and software. *Forensic Sciences Research*, **2018**, 3, 111-123	3.6	25
100	The effect of gender on eye colour variation in European populations and an evaluation of the IrisPlex prediction model. *Forensic Science International: Genetics*, **2014**, 11, 1-6	4.3	25
99	Genetic analyses of the human eye colours using a novel objective method for eye colour classification. *Forensic Science International: Genetics*, **2013**, 7, 508-15	4.3	25
98	Performance of two 17 locus forensic identification STR kits-Applied Biosystems's AmpFℓSTR NGMSElect and Promega's PowerPlex ESI17 kits. *Forensic Science International: Genetics*, **2012**, 6, 523-31	4.3	25
97	Characterization of a new HLA-G allele encoding a nonconservative amino acid substitution in the alpha3 domain (exon 4) and its relevance to certain complications in pregnancy. *Immunogenetics*, **2001**, 53, 48-53	3.2	25
96	Towards broadening Forensic DNA Phenotyping beyond pigmentation: Improving the prediction of head hair shape from DNA. *Forensic Science International: Genetics*, **2018**, 37, 241-251	4.3	24
95	Kinship Analysis with Diallelic SNPs - Experiences with the SNPforID Multiplex in an ISO17025 Accreditated Laboratory. *Transfusion Medicine and Hemotherapy*, **2012**, 39, 195-201	4.2	23
94	Evaluation of Forensic DNA Traces When Propositions of Interest Relate to Activities: Analysis and Discussion of Recurrent Concerns. *Frontiers in Genetics*, **2016**, 7, 215	4.5	23
93	New clues to the evolutionary history of the main European paternal lineage M269: dissection of the Y-SNP S116 in Atlantic Europe and Iberia. *European Journal of Human Genetics*, **2016**, 24, 437-41	5.3	22
92	Frequencies of HID-ion ampliseq ancestry panel markers among greenlanders. *Forensic Science International: Genetics*, **2016**, 24, 60-64	4.3	22
91	Importance of nonsynonymous OCA2 variants in human eye color prediction. *Molecular Genetics & Genomic Medicine*, **2016**, 4, 420-30	2.3	21
90	Major inter-personal variation in the increase and maximal level of 25-hydroxy vitamin D induced by UVB. *Photochemical and Photobiological Sciences*, **2016**, 15, 536-45	4.2	20
89	Technological innovations in forensic genetics: social, legal and ethical aspects. *Recent Advances in DNA & Gene Sequences*, **2014**, 8, 98-103		19
88	Evaluation of four automated protocols for extraction of DNA from FTA cards. *Journal of the Association for Laboratory Automation*, **2013**, 18, 404-10		19
87	Platelet alloimmunization after transfusion. A prospective study in 117 heart surgery patients. *Vox Sanguinis*, **1997**, 72, 238-41	3.1	19
86	Graft-derived anti-HPA-2b production after allogeneic bone-marrow transplantation. *British Journal of Haematology*, **1994**, 86, 651-3	4.5	19
85	High-throughput sequencing of forensic genetic samples using punches of FTA cards with buccal swabs. *BioTechniques*, **2016**, 61, 149-51	2.5	19

84	PCR in forensic genetics. *Biochemical Society Transactions*, **2009**, 37, 438-40	5.1	18
83	Comparison of manual and automated AmpliSeq workflows in the typing of a Somali population with the Precision ID Identity Panel. *Forensic Science International: Genetics*, **2017**, 31, 118-125	4.3	17
82	Quantification of massively parallel sequencing libraries - a comparative study of eight methods. *Scientific Reports*, **2018**, 8, 1110	4.9	17
81	Stutter analysis of complex STR MPS data. *Forensic Science International: Genetics*, **2018**, 35, 107-112	4.3	17
80	Collaborative EDNAP exercise on the IrisPlex system for DNA-based prediction of human eye colour. *Forensic Science International: Genetics*, **2014**, 11, 241-51	4.3	17
79	Forensic genetics. *Lancet, The*, **2004**, 364 Suppl 1, s10-1	40	17
78	A comparison of genetic findings in sudden cardiac death victims and cardiac patients: the importance of phenotypic classification. *Europace*, **2015**, 17, 350-7	3.9	16
77	Identifying contributors of DNA mixtures by means of quantitative information of STR typing. *Journal of Computational Biology*, **2012**, 19, 887-902	1.7	16
76	Characterization of mutations and sequence variations in complex STR loci by second generation sequencing. *Forensic Science International: Genetics Supplement Series*, **2013**, 4, e218-e219	0.5	15
75	Forensic and phylogeographic characterisation of mtDNA lineages from Somalia. *International Journal of Legal Medicine*, **2012**, 126, 573-9	3.1	15
74	DNA polymorphism of HLA class II genes in systemic lupus erythematosus. *Tissue Antigens*, **1994**, 43, 34-7		15
73	HLA-DPB1 typing with polymerase chain reaction and restriction fragment length polymorphism technique in Danes. *Tissue Antigens*, **1992**, 40, 140-4		14
72	Decrease DNA contamination in the laboratories. *Forensic Science International: Genetics Supplement Series*, **2017**, 6, e577-e578	0.5	13
71	Weight of the evidence of genetic investigations of ancestry informative markers. *Theoretical Population Biology*, **2018**, 120, 1-10	1.2	13
70	Peopling of the North Circumpolar Region--insights from Y chromosome STR and SNP typing of Greenlanders. *PLoS ONE*, **2015**, 10, e0116573	3.7	13
69	The peopling of Greenland: further insights from the analysis of genetic diversity using autosomal and X-chromosomal markers. *European Journal of Human Genetics*, **2015**, 23, 245-51	5.3	13
68	SPERM HY-LITER for the identification of spermatozoa from sexual assault evidence. *Forensic Science International: Genetics*, **2014**, 12, 161-7	4.3	12
67	The role of the glutathione S-transferase genes GSTT1, GSTM1, and GSTP1 in acetaminophen-poisoned patients. *Clinical Toxicology*, **2012**, 50, 27-33	2.9	12

66	Reinvestigations of six unusual paternity cases by typing of autosomal single-nucleotide polymorphisms. *Transfusion*, **2012**, 52, 425-30	2.9	12
65	Statistical modelling of Ion PGM HID STR 10-plex MPS data. *Forensic Science International: Genetics*, **2017**, 28, 82-89	4.3	11
64	Analysis of mainland Japanese and Okinawan Japanese populations using the precision ID Ancestry Panel. *Forensic Science International: Genetics*, **2018**, 33, 106-109	4.3	11
63	Whole genome and transcriptome sequencing of post-mortem cardiac tissues from sudden cardiac death victims identifies a gene regulatory variant in NEXN. *International Journal of Legal Medicine*, **2019**, 133, 1699-1709	3.1	11
62	Genomic and immunohistochemical characterisation of a lacrimal gland oncocytoma and review of literature. *Oncology Letters*, **2017**, 14, 4176-4182	2.6	11
61	Identifying the most likely contributors to a Y-STR mixture using the discrete Laplace method. *Forensic Science International: Genetics*, **2015**, 15, 76-83	4.3	11
60	Pigment genes not skin pigmentation affect UVB-induced vitamin D. *Photochemical and Photobiological Sciences*, **2019**, 18, 448-458	4.2	10
59	A study of the peopling of Greenland using next generation sequencing of complete mitochondrial genomes. *American Journal of Physical Anthropology*, **2016**, 161, 698-704	2.5	10
58	A report of the 2009-2011 paternity and relationship testing workshops of the English Speaking Working Group of the International Society For Forensic Genetics. *Forensic Science International: Genetics*, **2014**, 9, e1-2	4.3	10
57	Ancestry prediction efficiency of the software GenoGeographer using a z-score method and the ancestry informative markers in the Precision ID Ancestry Panel. *Forensic Science International: Genetics*, **2020**, 44, 102154	4.3	10
56	Evaluation of the iPLEX ADME PGx Pro Panel and allele frequencies of pharmacogenetic markers in Danes. *Clinical Biochemistry*, **2016**, 49, 1299-1301	3.5	8
55	Cluster analysis of European Y-chromosomal STR haplotypes using the discrete Laplace method. *Forensic Science International: Genetics*, **2014**, 11, 182-94	4.3	8
54	On the Bayesian approach to forensic age estimation of living individuals. *Forensic Science International*, **2017**, 281, e24-e29	2.6	8
53	Detection of fetal-specific DNA after enrichment for trophoblasts using the monoclonal antibody LK26 in model systems but failure to demonstrate fetal DNA in maternal peripheral blood. *Prenatal Diagnosis*, **1999**, 19, 271-8	3.2	8
52	eDNA An expert software system for comparison and evaluation of DNA profiles in forensic casework. *Forensic Science International: Genetics Supplement Series*, **2015**, 5, e400-e402	0.5	7
51	Estimating Y-STR allelic drop-out rates and adjusting for interlocus balances. *Forensic Science International: Genetics*, **2013**, 7, 327-36	4.3	7
50	Targeted molecular genetic testing in young sudden cardiac death victims from Western Denmark. *International Journal of Legal Medicine*, **2020**, 134, 111-121	3.1	7
49	Analysis of 49 autosomal SNPs in an Iraqi population. *Forensic Science International: Genetics*, **2013**, 7, 198-9	4.3	6

48	Sequence variants of allele 22 and 23 of DYS635 causing different stutter rates. *Forensic Science International: Genetics*, **2012**, 6, e161-2	4.3	6
47	Refining the genetic portrait of Portuguese Roma through X-chromosomal markers. *American Journal of Physical Anthropology*, **2012**, 148, 389-94	2.5	6
46	Characterization of sequence variations in the D21S11 locus in Danes, Somalis and Greenlanders by second generation sequencing. *Forensic Science International: Genetics Supplement Series*, **2013**, 4, e302-e303	0.5	5
45	Estimating drop-out probabilities of STR alleles accounting for stutters, detection threshold truncation and degradation. *Forensic Science International: Genetics Supplement Series*, **2013**, 4, e51-e52	0.5	5
44	Next-generation sequencing of multiple individuals per barcoded library by deconvolution of sequenced amplicons using endonuclease fragment analysis. *BioTechniques*, **2014**, 57, 91-4	2.5	5
43	Typing of 49 autosomal SNPs by single base extension and capillary electrophoresis for forensic genetic testing. *Methods in Molecular Biology*, **2012**, 830, 87-107	1.4	5
42	Pigmentary Markers in Danes--Associations with Quantitative Skin Colour, Nevi Count, Familial Atypical Multiple-Mole, and Melanoma Syndrome. *PLoS ONE*, **2016**, 11, e0150381	3.7	5
41	Association between brown eye colour in rs12913832:GG individuals and SNPs in TYR, TYRP1, and SLC24A4. *PLoS ONE*, **2020**, 15, e0239131	3.7	5
40	GenoGeographer – A tool for genogeographic inference. *Forensic Science International: Genetics Supplement Series*, **2017**, 6, e463-e465	0.5	4
39	Non-invasive prenatal paternity testing using a standard forensic genetic massively parallel sequencing assay for amplification of human identification SNPs. *International Journal of Legal Medicine*, **2019**, 133, 1361-1368	3.1	4
38	Body fluid identification of blood, saliva and semen using second generation sequencing of micro-RNA. *Forensic Science International: Genetics Supplement Series*, **2013**, 4, e204-e205	0.5	4
37	Biomek 3000: the workhorse in an automated accredited forensic genetic laboratory. *Journal of the Association for Laboratory Automation*, **2012**, 17, 378-86		4
36	Sequences of microvariant/"off-ladder" STR alleles. *Forensic Science International: Genetics Supplement Series*, **2011**, 3, e204-e205	0.5	4
35	Repeated extraction of DNA from FTA cards. *Forensic Science International: Genetics Supplement Series*, **2011**, 3, e345-e346	0.5	4
34	Prediction of Eye Colour in Scandinavians Using the EyeColour 11 (EC11) SNP Set. *Genes*, **2021**, 12,	4.2	4
33	Yfiler Plus population samples and dilution series: stutters, analytic thresholds, and drop-out probabilities. *International Journal of Legal Medicine*, **2017**, 131, 1503-1511	3.1	3
32	The multivariate Dirichlet-multinomial distribution and its application in forensic genetics to adjust for subpopulation effects using the "correction. *Theoretical Population Biology*, **2015**, 105, 24-32	1.2	3
31	Monozygotic twins discordant for narcolepsy type 1 and multiple sclerosis. *Neurology: Neuroimmunology and NeuroInflammation*, **2016**, 3, e249	9.1	3

30	Modelling noise in second generation sequencing forensic genetics STR data using a one-inflated (zero-truncated) negative binomial model. *Forensic Science International: Genetics Supplement Series* , **2015**, 5, e416-e417	0.5	3
29	Evaluation of Y-STR analyses of sperm cell negative vaginal samples. *Forensic Science International: Genetics Supplement Series*, **2011**, 3, e141-e142	0.5	3
28	A comparative study of single nucleotide variant detection performance using three massively parallel sequencing methods. *PLoS ONE*, **2020**, 15, e0239850	3.7	3
27	Associations between second to fourth digit ratio, cortisol, vitamin D, and body composition among Polish children. *Scientific Reports*, **2021**, 11, 7029	4.9	3
26	Sequence variants in muscle tissue-related genes may determine the severity of muscle contractures in cerebral palsy. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2019**, 180, 12-24	3.5	3
25	The stratum corneum transcriptome in atopic dermatitis can be assessed by tape stripping. *Journal of Dermatological Science*, **2021**, 101, 14-21	4.3	3
24	Modelling allelic drop-outs in STR sequencing data generated by MPS. *Forensic Science International: Genetics*, **2018**, 37, 6-12	4.3	3
23	Serum 25(OH)D levels after oral vitamin D supplementation and UVB exposure correlate. *Photodermatology Photoimmunology and Photomedicine*, **2019**, 35, 344-353	2.4	2
22	Identical twins in forensic genetics - Epidemiology and risk based estimation of weight of evidence. *Science and Justice - Journal of the Forensic Science Society*, **2015**, 55, 408-14	2	2
21	Skin pigmentation and genetic variants in an admixed Brazilian population of primarily European ancestry. *International Journal of Legal Medicine*, **2020**, 134, 1569-1579	3.1	2
20	Targeted exon sequencing in deceased schizophrenia patients in Denmark. *International Journal of Legal Medicine*, **2020**, 134, 135-147	3.1	2
19	Forensic application and genetic diversity of 21 autosomal STR loci in five major population groups of Pakistan. *International Journal of Legal Medicine*, **2021**, 135, 775-777	3.1	2
18	Evaluation of a custom GeneRead massively parallel sequencing assay with 210 ancestry informative SNPs using the Ion S5 and MiSeq platforms. *Forensic Science International: Genetics*, **2021**, 50, 102411	4.3	2
17	Cortisol concentration affects fat and muscle mass among Polish children aged 6-13 years. *BMC Pediatrics*, **2021**, 21, 365	2.6	2
16	Association of saliva 25(OH)D concentration with body composition and proportion among pre-pubertal and pubertal Polish children. *American Journal of Human Biology*, **2020**, 32, e23397	2.7	2
15	Reproducibility of the Infinium methylationEPIC BeadChip assay using low DNA amounts.. *Epigenetics*, **2022**, 1-10	5.7	2
14	Results of the 2015 Relationship Testing Workshop of the English Speaking Working Group. *Forensic Science International: Genetics Supplement Series*, **2015**, 5, e320-e321	0.5	1
13	Study of 25 X-chromosome Single Nucleotide Polymorphisms in African and Asian populations. *Forensic Science International: Genetics Supplement Series*, **2011**, 3, e139-e140	0.5	1

12	Survival of fetuses and viruses: universal mechanisms of co-existence with an immunological potent host. *American Journal of Reproductive Immunology*, **1999**, 41, 353-5	3.8	1
11	The transcriptome of hand eczema assessed by tape stripping. *Contact Dermatitis*, **2021**,	2.7	1
10	Sequencing of human identification markers in an Uyghur population using the MiSeq FGxTM Forensic Genomics System. *Forensic Sciences Research*, **2020**, 1-9	3.6	1
9	Evaluation of the Precision of Ancestry Inferences in South American Admixed Populations. *Frontiers in Genetics*, **2020**, 11, 966	4.5	1
8	Differential Methylation in the Regulatory Region in Sudden Unexplained Death and Sudden Unexpected Death in Epilepsy. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
7	Genetic investigations of 100 inherited cardiac disease-related genes in deceased individuals with schizophrenia. *International Journal of Legal Medicine*, **2021**, 135, 1395-1405	3.1	0
6	Use of Next-Generation Sequencing in Forensic Genetics **2017**, 1-9		
5	The effect of wild card designations and rare alleles in forensic DNA database searches. *Forensic Science International: Genetics*, **2015**, 16, 98-104	4.3	
4	Group specific component in serum and otosclerosis: no association. *Acta Oto-Laryngologica*, **1994**, 114, 303-4	1.6	
3	GENETIC PORTRAIT OF THE PUNJABI POPULATION FROM PAKISTAN USING THE PRECISION ID ANCESTRY PANEL. *Forensic Science International: Genetics Supplement Series*, **2019**, 7, 87-89	0.5	
2	A 48-plex autosomal SNP GenPlex assay for human individualization and relationship testing. *Methods in Molecular Biology*, **2012**, 830, 73-85	1.4	
1	Anthropological analyses of 30 insertion/deletion autosomal markers in five major ethnic groups of Pakistan. *Forensic Sciences Research*,1-5	3.6	