

# Lutz Roewer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87  
papers

5,232  
citations

37  
h-index

71  
g-index

100  
ext. papers

5,796  
ext. citations

4.1  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
87	Y-chromosomal diversity in Europe is clinal and influenced primarily by geography, rather than by language. <i>American Journal of Human Genetics</i> , <b>2000</b> , 67, 1526-43	11	471
86	Characteristics and frequency of germline mutations at microsatellite loci from the human Y chromosome, as revealed by direct observation in father/son pairs. <i>American Journal of Human Genetics</i> , <b>2000</b> , 66, 1580-8	11	293
85	Mutability of Y-chromosomal microsatellites: rates, characteristics, molecular bases, and forensic implications. <i>American Journal of Human Genetics</i> , <b>2010</b> , 87, 341-53	11	268
84	Y chromosome haplotype reference database (YHRD): update. <i>Forensic Science International: Genetics</i> , <b>2007</b> , 1, 83-7	4.3	263
83	A global analysis of Y-chromosomal haplotype diversity for 23 STR loci. <i>Forensic Science International: Genetics</i> , <b>2014</b> , 12, 12-23	4.3	171
82	An extensive analysis of Y-chromosomal microsatellite haplotypes in globally dispersed human populations. <i>American Journal of Human Genetics</i> , <b>2001</b> , 68, 990-1018	11	167
81	Signature of recent historical events in the European Y-chromosomal STR haplotype distribution. <i>Human Genetics</i> , <b>2005</b> , 116, 279-91	6.3	155
80	Melanesian origin of Polynesian Y chromosomes. <i>Current Biology</i> , <b>2000</b> , 10, 1237-46	6.3	149
79	Y chromosome STR typing in crime casework. <i>Forensic Science, Medicine, and Pathology</i> , <b>2009</b> , 5, 77-84	1.5	148
78	The new Y Chromosome Haplotype Reference Database. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 15, 43-8	4.3	135
77	Toward male individualization with rapidly mutating y-chromosomal short tandem repeats. <i>Human Mutation</i> , <b>2014</b> , 35, 1021-32	4.7	130
76	Analysis of molecular variance (AMOVA) of Y-chromosome-specific microsatellites in two closely related human populations. <i>Human Molecular Genetics</i> , <b>1996</b> , 5, 1029-33	5.6	126
75	Comprehensive mutation analysis of 17 Y-chromosomal short tandem repeat polymorphisms included in the AmpFISTR Yfiler PCR amplification kit. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 471-82	3.1	108
74	Significant genetic differentiation between Poland and Germany follows present-day political borders, as revealed by Y-chromosome analysis. <i>Human Genetics</i> , <b>2005</b> , 117, 428-43	6.3	98
73	Cell line DNA typing in forensic genetics--the necessity of reliable standards. <i>Forensic Science International</i> , <b>2003</b> , 138, 37-43	2.6	97
72	Homogeneity and distinctiveness of Polish paternal lineages revealed by Y chromosome microsatellite haplotype analysis. <i>Human Genetics</i> , <b>2002</b> , 110, 592-600	6.3	84
71	Continent-wide decoupling of Y-chromosomal genetic variation from language and geography in native South Americans. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003460	6	75

70	DNA fingerprinting in forensics: past, present, future. <i>Investigative Genetics</i> , <b>2013</b> , 4, 22		75
69	Improving global and regional resolution of male lineage differentiation by simple single-copy Y-chromosomal short tandem repeat polymorphisms. <i>Forensic Science International: Genetics</i> , <b>2009</b> , 3, 205-13	4.3	75
68	Publication of population data of linearly inherited DNA markers in the International Journal of Legal Medicine. <i>International Journal of Legal Medicine</i> , <b>2010</b> , 124, 505-9	3.1	66
67	Rapid and sensitive typing of forensic stains by PCR amplification of polymorphic simple repeat sequences in case work. <i>Forensic Science International</i> , <b>1992</b> , 53, 163-71	2.6	64
66	Hypervariability of intronic simple (gt)n(ga)m repeats in HLA-DRB genes. <i>Immunogenetics</i> , <b>1990</b> , 32, 110-6	5.2	59
65	Applications of microsatellite-based Y chromosome haplotyping. <i>Electrophoresis</i> , <b>1997</b> , 18, 1602-7	3.6	56
64	Y-chromosomal STR haplotypes and their applications to forensic and population studies in east Asia. <i>International Journal of Legal Medicine</i> , <b>2005</b> , 119, 195-201	3.1	55
63	Dynamic nature of the proximal AZFc region of the human Y chromosome: multiple independent deletion and duplication events revealed by microsatellite analysis. <i>Human Mutation</i> , <b>2008</b> , 29, 1171-80	4.7	52
62	Revisiting the male genetic landscape of China: a multi-center study of almost 38,000 Y-STR haplotypes. <i>Human Genetics</i> , <b>2017</b> , 136, 485-497	6.3	51
61	Collaborative genetic mapping of 12 forensic short tandem repeat (STR) loci on the human X chromosome. <i>Forensic Science International: Genetics</i> , <b>2012</b> , 6, 778-84	4.3	49
60	Y Chromosome Sequences Reveal a Short Beringian Standstill, Rapid Expansion, and early Population structure of Native American Founders. <i>Current Biology</i> , <b>2019</b> , 29, 149-157.e3	6.3	49
59	Analysis of Y chromosome STR haplotypes in the European part of Russia reveals high diversities but non-significant genetic distances between populations. <i>International Journal of Legal Medicine</i> , <b>2008</b> , 122, 219-23	3.1	48
58	Current state-of-art of STR sequencing in forensic genetics. <i>Electrophoresis</i> , <b>2018</b> , 39, 2655-2668	3.6	41
57	Evaluation of haplotype discrimination capacity of 35 Y-chromosomal short tandem repeat loci. <i>Forensic Science International</i> , <b>2008</b> , 174, 182-8	2.6	38
56	Asian online Y-STR Haplotype Reference Database. <i>Legal Medicine</i> , <b>2003</b> , 5 Suppl 1, S160-3	1.9	38
55	Male DNA Typing from 25-Year-Old Vaginal Swabs Using Y Chromosomal STR Polymorphisms in a Retrieval Request Case. <i>Journal of Forensic Sciences</i> , <b>1999</b> , 44, 14570J	1.8	38
54	Validation of a combined autosomal/Y-chromosomal STR approach for analyzing typical biological stains in sexual-assault cases. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 19, 238-242	4.3	35
53	Relating two deep-rooted pedigrees from Central Germany by high-resolution Y-STR haplotyping. <i>Forensic Science International: Genetics</i> , <b>2007</b> , 1, 125-8	4.3	33

52	Selected di- and tetranucleotide microsatellites from chromosomes 7, 12, 14, and Y in various Eurasian populations. <i>Human Genetics</i> , <b>1994</b> , 93, 592-6	6.3	33
51	Hierarchical Y-SNP assay to study the hidden diversity and phylogenetic relationship of native populations in South America. <i>Forensic Science International: Genetics</i> , <b>2011</b> , 5, 100-4	4.3	31
50	Online Y-chromosomal short tandem repeat haplotype reference database (YHRD) for U.S. populations. <i>Journal of Forensic Sciences</i> , <b>2002</b> , 47, 513-9	1.8	30
49	Refining the Y chromosome phylogeny with southern African sequences. <i>Human Genetics</i> , <b>2016</b> , 135, 541-553	6.3	29
48	Inter-laboratory validation study of the ForenSeqDNA Signature Prep Kit. <i>Forensic Science International: Genetics</i> , <b>2018</b> , 36, 77-85	4.3	29
47	Y-STR Frequency Surveying Method: A critical reappraisal. <i>Forensic Science International: Genetics</i> , <b>2011</b> , 5, 84-90	4.3	28
46	Y-chromosomal STR haplotypes in Kalmyk population samples. <i>Forensic Science International</i> , <b>2007</b> , 173, 204-9	2.6	28
45	Identification of exhumed remains of fire tragedy victims using conventional methods and autosomal/Y-chromosomal short tandem repeat DNA profiling. <i>American Journal of Forensic Medicine and Pathology</i> , <b>2005</b> , 26, 285-91	1	28
44	A Y-STR database of Iranian and Azerbaijani minority populations. <i>Forensic Science International: Genetics</i> , <b>2009</b> , 4, e53-5	4.3	27
43	Y chromosome haplogroup diversity in a Mestizo population of Nicaragua. <i>Forensic Science International: Genetics</i> , <b>2012</b> , 6, e192-5	4.3	26
42	Genomic complexity of the Y-STR DYS19: inversions, deletions and founder lineages carrying duplications. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 15-23	3.1	26
41	European survey on forensic applications of massively parallel sequencing. <i>Forensic Science International: Genetics</i> , <b>2017</b> , 29, e23-e25	4.3	24
40	The complete mitogenome of a 500-year-old Inca child mummy. <i>Scientific Reports</i> , <b>2015</b> , 5, 16462	4.9	24
39	Y-chromosomal analysis identifies the skeletal remains of Swiss national hero Jürg Jenatsch (1596-1639). <i>Forensic Science International: Genetics</i> , <b>2013</b> , 7, 610-617	4.3	23
38	Y-STR variation among ethnic groups from Ecuador: Mestizos, Kichwas, Afro-Ecuadorians and Waoranis. <i>Forensic Science International: Genetics</i> , <b>2009</b> , 3, e83-91	4.3	23
37	Increased microsatellite variability in <i>Macaca mulatta</i> compared to humans due to a large scale deletion/insertion event during primate evolution. <i>Electrophoresis</i> , <b>1995</b> , 16, 1607-11	3.6	23
36	Male Lineages in Brazil: Intercontinental Admixture and Stratification of the European Background. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152573	3.7	23
35	Boundaries and clines in the West Eurasian Y-chromosome landscape: insights from the European part of Russia. <i>American Journal of Physical Anthropology</i> , <b>2008</b> , 137, 41-7	2.5	22

34	SNaPshot <sup>®</sup> minisequencing analysis of multiple ancestry-informative Y-SNPs using capillary electrophoresis. <i>Methods in Molecular Biology</i> , <b>2012</b> , 830, 127-40	1.4	20
33	Enclaves of genetic diversity resisted Inca impacts on population history. <i>Scientific Reports</i> , <b>2017</b> , 7, 17414	4.9	18
32	Y-chromosomal STRs haplotypes in the Taiwanese Paiwan population. <i>International Journal of Legal Medicine</i> , <b>2011</b> , 125, 39-43	3.1	18
31	Genetic structure and sex-biased gene flow in the history of southern African populations. <i>American Journal of Physical Anthropology</i> , <b>2018</b> , 167, 656-671	2.5	17
30	Y-chromosome short tandem repeats in forensics: sexing, profiling, and matching male DNA. <i>Wiley Interdisciplinary Reviews Forensic Science</i> , <b>2019</b> , 1, e1336	2.6	16
29	Identification and characterization of novel rapidly mutating Y-chromosomal short tandem repeat markers. <i>Human Mutation</i> , <b>2020</b> , 41, 1680-1696	4.7	16
28	Mitochondrial diversity in Amerindian Kichwa and Mestizo populations from Ecuador. <i>International Journal of Legal Medicine</i> , <b>2012</b> , 126, 299-302	3.1	16
27	Assembly of a large Y-STR haplotype database for the Czech population and investigation of its substructure. <i>Forensic Science International: Genetics</i> , <b>2010</b> , 4, e75-8	4.3	16
26	Hybridization and polymerase chain reaction amplification of simple repeated DNA sequences for the analysis of forensic stains. <i>Electrophoresis</i> , <b>1991</b> , 12, 181-6	3.6	16
25	Y-chromosomal STR haplotypes in Macedonian population samples. <i>Forensic Science International</i> , <b>2005</b> , 148, 69-73	2.6	15
24	Shannon's equivocation for forensic Y-STR marker selection. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 16, 216-225	4.3	14
23	A Colombian Caribbean population study of 16 Y-chromosome STR loci. <i>Forensic Science International: Genetics</i> , <b>2008</b> , 2, e5-8	4.3	14
22	No shortcut solution to the problem of Y-STR match probability calculation. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 15, 69-75	4.3	13
21	Y-chromosomal STR analysis in the Pashtun population of Southern Afghanistan. <i>Forensic Science International: Genetics</i> , <b>2012</b> , 6, e103-5	4.3	13
20	Geostatistical inference of main Y-STR-haplotype groups in Europe. <i>Forensic Science International: Genetics</i> , <b>2011</b> , 5, 91-4	4.3	13
19	Inter-laboratory study on standardized MPS libraries: evaluation of performance, concordance, and sensitivity using mixtures and degraded DNA. <i>International Journal of Legal Medicine</i> , <b>2020</b> , 134, 185-198 <sup>3,1</sup>		12
18	German standards for forensic molecular genetics investigations in cases of mass disaster victim identification (DVI). <i>Forensic Science International: Genetics</i> , <b>2011</b> , 5, 247-8	4.3	10
17	Individual specific extraction of DNA from male mixtures--First evaluation studies. <i>Forensic Science International: Genetics</i> , <b>2011</b> , 5, 117-21	4.3	10

16	Evaluation of whole-genome amplification of low-copy-number DNA in chimerism analysis after allogeneic stem cell transplantation using STR marker typing. <i>Electrophoresis</i> , <b>2006</b> , 27, 3028-37	3.6	10
15	Multiple recurrent mutations at four human Y-chromosomal single nucleotide polymorphism sites in a 37 bp sequence tract on the ARSDP1 pseudogene. <i>Forensic Science International: Genetics</i> , <b>2013</b> , 7, 593-600	4.3	9
14	Insights into the origin of rare haplogroup C3* Y chromosomes in South America from high-density autosomal SNP genotyping. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 15, 115-20	4.3	8
13	The Y-Chromosome Haplotype Reference Database (YHRD) [Publicly Available Reference and Research Datasets for the Forensic Interpretation of Y-Chromosome STR Profiles. <i>Security Science and Technology</i> , <b>2016</b> , 231-248		4
12	Y-chromosome diversity of the three major ethno-linguistic groups in the Republic of North Macedonia. <i>Forensic Science International: Genetics</i> , <b>2019</b> , 42, 165-170	4.3	3
11	Nomenclature update and allele repeat structure for the markers DYS518 and DYS449. <i>Forensic Science International: Genetics</i> , <b>2014</b> , 13, e3	4.3	3
10	The use of the Y chromosome in forensic genetics—current practices and future perspectives. <i>International Congress Series</i> , <b>2003</b> , 1239, 279-280		3
9	Genetic assessment reveals no population substructure and divergent regional and sex-specific histories in the Chachapoyas from northeast Peru. <i>PLoS ONE</i> , <b>2020</b> , 15, e0244497	3.7	3
8	Routine analysis of sexual assault cases in Brasília, Brazil, using 23 Y chromosomal markers. <i>Forensic Science International: Genetics Supplement Series</i> , <b>2015</b> , 5, e619-e621	0.5	2
7	Das Y-chromosom als forensischer und genealogischer marker. <i>BioSpektrum</i> , <b>2014</b> , 20, 627-630	0.1	2
6	Interpretation guidelines of a standard Y-chromosome STR 17-plex PCR-CE assay for crime casework. <i>Methods in Molecular Biology</i> , <b>2012</b> , 830, 43-56	1.4	2
5	Microgeographic genetic variation of Y chromosome in a population sample of Ravenna's area in the Emilia-Romagna region (North of Italy). <i>Forensic Science International: Genetics Supplement Series</i> , <b>2008</b> , 1, 242-243	0.5	2
4	A nomenclature for YCA II which is compatible with the ISFG guidelines for Y-STR analysis. <i>International Congress Series</i> , <b>2003</b> , 1239, 481-485		2
3	Melanesian origin of Polynesian Y-chromosomes. <i>Current Biology</i> , <b>2001</b> , 11, I-II	6.3	2
2	Next generation sequencing of Y-STRs in father-son pairs and comparison with traditional capillary electrophoresis. <i>Forensic Sciences Research</i> , 1-6	3.6	0
1	A Y-chromosomal survey of Ecuador's multi-ethnic population reveals new insights into the tri-partite population structure and supports an early Holocene age of the rare Native American founder lineage C3-MPB373. <i>Forensic Science International: Genetics</i> , <b>2021</b> , 51, 102427	4.3	0