

# Kyoung-Jin Shin

## List of Publications by Year in descending order

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86  
papers

3,046  
citations

172207

29  
h-index

168136

53  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2381  
citing authors

#	ARTICLE	IF	CITATIONS
1	A global analysis of Y-chromosomal haplotype diversity for 23 STR loci. <i>Forensic Science International: Genetics</i> , 2014, 12, 12-23.	1.6	214
2	Integrated Portable Polymerase Chain Reaction-Capillary Electrophoresis Microsystem for Rapid Forensic Short Tandem Repeat Typing. <i>Analytical Chemistry</i> , 2007, 79, 1881-1889.	3.2	164
3	Body fluid identification in forensics. <i>BMB Reports</i> , 2012, 45, 545-553.	1.1	161
4	Toward Male Individualization with Rapidly Mutating Y-Chromosomal Short Tandem Repeats. <i>Human Mutation</i> , 2014, 35, 1021-1032.	1.1	151
5	DNA methylation-based age prediction from saliva: High age predictability by combination of 7 CpG markers. <i>Forensic Science International: Genetics</i> , 2017, 29, 118-125.	1.6	131
6	DNA methylation of the ELOVL2, FHL2, KLF14, C1orf132/MIR29B2C, and TRIM59 genes for age prediction from blood, saliva, and buccal swab samples. <i>Forensic Science International: Genetics</i> , 2019, 38, 1-8.	1.6	124
7	Potential forensic application of DNA methylation profiling to body fluid identification. <i>International Journal of Legal Medicine</i> , 2012, 126, 55-62.	1.2	113
8	Epigenetic age signatures in the forensically relevant body fluid of semen: a preliminary study. <i>Forensic Science International: Genetics</i> , 2015, 19, 28-34.	1.6	106
9	Sex Determination Using Nonmetric Characteristics of the Mandible in Koreans. <i>Journal of Forensic Sciences</i> , 2006, 51, 1376-1382.	0.9	93
10	mtDNAmanager: a Web-based tool for the management and quality analysis of mitochondrial DNA control-region sequences. <i>BMC Bioinformatics</i> , 2008, 9, 483.	1.2	80
11	Simple and highly effective DNA extraction methods from old skeletal remains using silica columns. <i>Forensic Science International: Genetics</i> , 2010, 4, 275-280.	1.6	79
12	Body fluid identification by integrated analysis of DNA methylation and body fluid-specific microbial DNA. <i>International Journal of Legal Medicine</i> , 2014, 128, 33-41.	1.2	78
13	DNA methylation-specific multiplex assays for body fluid identification. <i>International Journal of Legal Medicine</i> , 2013, 127, 35-43.	1.2	71
14	Genome-wide methylation profiling and a multiplex construction for the identification of body fluids using epigenetic markers. <i>Forensic Science International: Genetics</i> , 2015, 17, 17-24.	1.6	71
15	Mitochondrial DNA control region sequences in Koreans: identification of useful variable sites and phylogenetic analysis for mtDNA data quality control. <i>International Journal of Legal Medicine</i> , 2006, 120, 5-14.	1.2	63
16	DNA methylation-based age prediction from various tissues and body fluids. <i>BMB Reports</i> , 2017, 50, 546-553.	1.1	61
17	Collaborative genetic mapping of 12 forensic short tandem repeat (STR) loci on the human X chromosome. <i>Forensic Science International: Genetics</i> , 2012, 6, 778-784.	1.6	60
18	Forensic DNA methylation profiling from evidence material for investigative leads. <i>BMB Reports</i> , 2016, 49, 359-369.	1.1	56

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19	DNA methylation profiling for a confirmatory test for blood, saliva, semen, vaginal fluid and menstrual blood. <i>Forensic Science International: Genetics</i> , 2016, 24, 75-82.	1.6	56
20	Massively parallel sequencing of 17 commonly used forensic autosomal STRs and amelogenin with small amplicons. <i>Forensic Science International: Genetics</i> , 2016, 22, 1-7.	1.6	53
21	Radiological analysis on a mummy from a medieval tomb in Korea. <i>Annals of Anatomy</i> , 2003, 185, 377-382.	1.0	48
22	Haplotypes and mutation analysis of 22 Y-chromosomal STRs in Korean father-son pairs. <i>International Journal of Legal Medicine</i> , 2007, 121, 128-135.	1.2	48
23	Selection of twenty-four highly informative SNP markers for human identification and paternity analysis in Koreans. <i>Forensic Science International</i> , 2005, 148, 107-112.	1.3	47
24	East Asian mtDNA haplogroup determination in Koreans: Haplogroup-level coding region SNP analysis and subhaplogroup-level control region sequence analysis. <i>Electrophoresis</i> , 2006, 27, 4408-4418.	1.3	40
25	Forensic evaluation and haplotypes of 19 Y-chromosomal STR loci in Koreans. <i>Forensic Science International</i> , 2005, 152, 133-147.	1.3	37
26	Platform-independent models for age prediction using DNA methylation data. <i>Forensic Science International: Genetics</i> , 2019, 38, 39-47.	1.6	36
27	Y-STR analysis of degraded DNA using reduced-size amplicons. <i>International Journal of Legal Medicine</i> , 2007, 121, 152-157.	1.2	35
28	The chronology of second and third molar development in Koreans and its application to forensic age estimation. <i>International Journal of Legal Medicine</i> , 2010, 124, 659-665.	1.2	35
29	Genetic characteristics and population study of 4 X-chromosomal STRs in Koreans: evidence for a null allele at DXS9898. <i>International Journal of Legal Medicine</i> , 2004, 118, 355-360.	1.2	34
30	The Diversity of Dental Patterns in the Orthopantomography and Its Significance in Human Identification. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-3.	0.9	30
31	Forensic and genetic characterization of mtDNA from Pathans of Pakistan. <i>International Journal of Legal Medicine</i> , 2011, 125, 841-848.	1.2	29
32	Investigation into the sequence structure of 23 Y chromosomal STR loci using massively parallel sequencing. <i>Forensic Science International: Genetics</i> , 2016, 25, 132-141.	1.6	28
33	mtDNA profiler: A Web Application for the Nomenclature and Comparison of Human Mitochondrial Sequences. <i>Journal of Forensic Sciences</i> , 2013, 58, 972-980.	0.9	27
34	Five highly informative X-chromosomal STRs in Koreans. <i>International Journal of Legal Medicine</i> , 2004, 118, 37-40.	1.2	26
35	Quantitative and qualitative profiling of mitochondrial DNA length heteroplasmy. <i>Electrophoresis</i> , 2004, 25, 28-34.	1.3	25
36	Bisulfite-Converted DNA Quantity Evaluation: A Multiplex Quantitative Real-Time PCR System for Evaluation of Bisulfite Conversion. <i>Frontiers in Genetics</i> , 2021, 12, 618955.	1.1	25

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37	Mitochondrial DNA CA dinucleotide repeats in Koreans: the presence of length heteroplasmy. <i>International Journal of Legal Medicine</i> , 2005, 119, 50-53.	1.2	24
38	Population genetic study of four closely-linked X-STR trios in Koreans. <i>Molecular Biology Reports</i> , 2010, 37, 333-337.	1.0	24
39	Evaluating the genomic and sequence integrity of human ES cell lines; comparison to normal genomes. <i>Stem Cell Research</i> , 2012, 8, 154-164.	0.3	24
40	Haplotype and mutation analysis for newly suggested Y-STRs in Korean father-son pairs. <i>Forensic Science International: Genetics</i> , 2015, 15, 64-68.	1.6	24
41	Analysis of 22 Y chromosomal STR haplotypes and Y haplogroup distribution in Pathans of Pakistan. <i>Forensic Science International: Genetics</i> , 2014, 11, 111-116.	1.6	23
42	Sequence-based diversity of 23 autosomal STR loci in Koreans investigated using an in-house massively parallel sequencing panel. <i>Forensic Science International: Genetics</i> , 2017, 30, 134-140.	1.6	22
43	Characterization of Deletions in the DYS385 Flanking Region and Null Alleles Associated with AZFc Microdeletions in Koreans. <i>Journal of Forensic Sciences</i> , 2008, 53, 331-334.	0.9	21
44	Genetic Polymorphism and Haplotype Analysis of 4 Tightly Linked X-STR Duos in Koreans. <i>Croatian Medical Journal</i> , 2009, 50, 305-312.	0.2	21
45	DNA Typing for the Identification of Old Skeletal Remains from Korean War Victims*. <i>Journal of Forensic Sciences</i> , 2010, 55, 1422-1429.	0.9	21
46	Rapid Direct PCR for ABO Blood Typing*. <i>Journal of Forensic Sciences</i> , 2011, 56, S179-82.	0.9	20
47	A modified mini-primer set for analyzing mitochondrial DNA control region sequences from highly degraded forensic samples. <i>BioTechniques</i> , 2008, 44, 555-558.	0.8	19
48	Understanding the Y chromosome variation in Korea- relevance of combined haplogroup and haplotype analyses. <i>International Journal of Legal Medicine</i> , 2012, 126, 589-599.	1.2	19
49	Differential Distribution of Human Mitochondrial DNA in Somatic Tissues and Hairs. <i>Annals of Human Genetics</i> , 2006, 70, 59-65.	0.3	18
50	Association of Asian mitochondrial DNA haplogroup B with new development of knee osteoarthritis in Koreans. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 411-416.	0.9	17
51	A multiplex PCR system for 13 RM Y-STRs with separate amplification of two different repeat motif structures in DYF403S1a. <i>Forensic Science International: Genetics</i> , 2017, 26, 85-90.	1.6	16
52	Population data for 30 insertion-deletion markers in a Korean population. <i>International Journal of Legal Medicine</i> , 2014, 128, 51-52.	1.2	15
53	Isolation and characterization of tumorspheres from a recurrent pineoblastoma patient: Feasibility of a patient-derived xenograft. <i>International Journal of Oncology</i> , 2016, 49, 569-578.	1.4	14
54	Population data of nine miniSTR loci in Koreans. <i>Forensic Science International</i> , 2007, 168, e51-e53.	1.3	13

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55	Discriminating power of rapidly mutating Y-STRs in deep rooted endogamous pedigrees from Sindhi population of Pakistan. <i>Legal Medicine</i> , 2018, 34, 17-20.	0.6	12
56	A one step multiplex PCR assay for rapid screening of East Asian mtDNA haplogroups on forensic samples. <i>Legal Medicine</i> , 2013, 15, 50-54.	0.6	11
57	Y-SNP miniplexes for East Asian Y-chromosomal haplogroup determination in degraded DNA. <i>Forensic Science International: Genetics</i> , 2013, 7, 75-81.	1.6	10
58	Massively parallel sequencing of the entire control region and targeted coding region SNPs of degraded mtDNA using a simplified library preparation method. <i>Forensic Science International: Genetics</i> , 2016, 22, 37-43.	1.6	10
59	Allele frequencies and haplotypes of six new Y-specific STR loci in Koreans. <i>Forensic Science International</i> , 2003, 136, 89-91.	1.3	8
60	A genetic investigation of Korean mummies from the Joseon Dynasty. <i>Molecular Biology Reports</i> , 2011, 38, 115-121.	1.0	8
61	Massively parallel sequencing of 25 autosomal STRs including SE33 in four population groups for forensic applications. <i>Scientific Reports</i> , 2021, 11, 4701.	1.6	8
62	Modified Miniâ€•and Miniâ€•Multiplex <sc>PCR</sc> Systems for Mitochondrial <sc>DNA</sc> Control Region Sequence Analysis in Degraded Samples. <i>Journal of Forensic Sciences</i> , 2013, 58, 738-743.	0.9	7
63	Analysis of Kinship Index Distributions in Koreans Using Simulated Autosomal STR Profiles. <i>Korean Journal of Legal Medicine</i> , 2013, 37, 57.	0.1	7
64	Confirmation of Y haplogroup tree topologies with newly suggested Y-SNPs for the C2, O2b and O3a subhaplogroups. <i>Forensic Science International: Genetics</i> , 2015, 19, 42-46.	1.6	7
65	Off-ladder alleles due to a single nucleotide polymorphism in the flanking region at DYS481 detected by the PowerPlex Â® Y23 System. <i>Forensic Science International: Genetics</i> , 2016, 24, e7-e8.	1.6	7
66	The diversity of dental patterns in the orthopantomography and its significance in human identification. <i>Journal of Forensic Sciences</i> , 2004, 49, 784-6.	0.9	7
67	Improved STR analysis of degraded DNA from human skeletal remains through inâ€•house MPSâ€•STR panel. <i>Electrophoresis</i> , 2020, 41, 1600-1605.	1.3	6
68	Forensic <sc>SNP</sc> Genotyping with <sc>SN</sc>aPshot: Development of a Novel Inâ€•house <sc>SBE</sc> Multiplex <sc>SNP</sc> Assay,. <i>Journal of Forensic Sciences</i> , 2018, 63, 1824-1829.	0.9	5
69	Comparison of whole mitochondrial genome variants between hair shafts and reference samples using massively parallel sequencing. <i>International Journal of Legal Medicine</i> , 2020, 134, 853-861.	1.2	5
70	Genetic Characterization and Assessment of Authenticity of Ancient Korean Skeletal Remains. <i>Human Biology</i> , 2008, 80, 239-250.	0.4	4
71	Mitochondrial DNA 4977bp Deletion Mutation in Peripheral Blood Reflects Atrial Remodeling in Patients with Non-Valvular Atrial Fibrillation. <i>Yonsei Medical Journal</i> , 2015, 56, 53.	0.9	4
72	Comparative study of STR loci for typing old skeletal remains with modified protocols of AmpFISTR Identifier and AmpFISTR MiniFiler STR Kits. <i>Australian Journal of Forensic Sciences</i> , 2015, 47, 200-223.	0.7	4

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73	Population Data of the COfiler STR Loci in Koreans. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-2.	0.9	4
74	Web-based Y-STR Database for Haplotype Frequency Estimation and Kinship Index Calculation. <i>Korean Journal of Legal Medicine</i> , 2012, 36, 45.	0.1	3
75	Sequence Variations of 31 Y-chromosomal Short Tandem Repeats Including 9 Rapidly Mutating Y-chromosomal Short Tandem Repeats Analyzed by Massively Parallel Sequencing in Three U.S. Population Groups and Korean Population. <i>Journal of Korean Medical Science</i> , 2022, 37, e40.	1.1	3
76	DNA Methylation-Based Age Estimation in the Forensic Field. <i>Korean Journal of Legal Medicine</i> , 2013, 37, 1.	0.1	2
77	Rapid and Simple Screening of Mitochondrial DNA in Koreans by the Analysis of Highly Variable Control Region SNPs. <i>Korean Journal of Legal Medicine</i> , 2013, 37, 183.	0.1	2
78	Sequence Generation and Genotyping of 15 Autosomal STR Markers Using Next Generation Sequencing. <i>Korean Journal of Legal Medicine</i> , 2014, 38, 48.	0.1	2
79	Effectiveness of Coupled Application of AmpFâ„“STR Yfiler Kit and Reduced Size Yâ€chromosomal Short Tandem Repeat Analysis for Archeological Human Bones. <i>Journal of Forensic Sciences</i> , 2016, 61, 430-438.	0.9	2
80	Y chromosomal deletion pattern in Koreans inhabiting Jeju Island. <i>Anthropologischer Anzeiger</i> , 2017, 74, 177-182.	0.2	2
81	Population Data of ABO Gene Applicable to Human Identification in Koreans. <i>Journal of Forensic Sciences</i> , 2003, 48, 1-2.	0.9	2
82	The Survival of Donor-Derived Cells in a Successfully Grafted Corneal Button 10 Years after Penetrating Keratoplasty for Lattice Dystrophy. <i>Ophthalmologica</i> , 2009, 223, 396-400.	1.0	1
83	Population data of ABO gene applicable to human identification in Koreans. <i>Journal of Forensic Sciences</i> , 2003, 48, 1424-5.	0.9	1
84	Population data of the COfiler STR loci in Koreans. <i>Journal of Forensic Sciences</i> , 2004, 49, 176-7.	0.9	1
85	Analysis of Asian Mitochondrial DNA Haplogroups Associated With the Progression of Knee Osteoarthritis in Koreans. <i>Journal of Rheumatic Diseases</i> , 2020, 27, 168-173.	0.4	0
86	De Novo L509P Mutation of the TGFBI Gene Associated with Slit-Lamp Findings of Lattice Corneal Dystrophy Type IIIA. <i>Journal of Clinical Medicine</i> , 2022, 11, 3055.	1.0	0