

Dennis Mcnevin

List of Publications by Year in Descending Order

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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.

90
papers

1,267
citations

19
h-index

32
g-index

93
ext. papers

1,561
ext. citations

3.1
avg. IF

4.69
L-index

#	Paper	IF	Citations
90	Comparison of the performance of metal oxide and conducting polymer electronic noses for detection of aflatoxin using artificially contaminated maize. <i>Sensors and Actuators B: Chemical</i> , 2022 , 360, 131681	8.5	1
89	Empirical Evidence on Enhanced Mutation Rates of 19 RM-YSTRs for Differentiating Paternal Lineages. <i>Genes</i> , 2022 , 13, 946	4.2	
88	Touch DNA recovery from unfired and fired cartridges: Comparison of swabbing, tape lifting and soaking. <i>Forensic Science International</i> , 2021 , 330, 111101	2.6	0
87	An in-field evaluation of rapid DNA instruments for disaster victim identification. <i>International Journal of Legal Medicine</i> , 2021 , 1	3.1	1
86	Efficient DNA Profiling Protocols for Disaster Victim Identification. <i>Forensic Sciences</i> , 2021 , 1, 148-170		1
85	Source Level Attribution: DNA Profiling from the ABACard [®] HemaTrace [®] Kit. <i>Forensic Sciences</i> , 2021 , 1, 116-129		1
84	Proposed Framework for Comparison of Continuous Probabilistic Genotyping Systems amongst Different Laboratories. <i>Forensic Sciences</i> , 2021 , 1, 33-45		2
83	Systematic benchmarking of tools for CpG methylation detection from nanopore sequencing. <i>Nature Communications</i> , 2021 , 12, 3438	17.4	16
82	Identification of Bacillus and Yersinia species and hoax agents by protein profiling using microfluidic capillary electrophoresis with peak detection algorithms. <i>Australian Journal of Forensic Sciences</i> , 2021 , 53, 2-15	1.1	1
81	Online Population Data Resources for Forensic SNP Analysis with Massively Parallel Sequencing: An Overview of Online Population Data for Forensic Purposes 2021 , 241-287		
80	Evaluation of soaking to recover trace DNA from fired cartridge cases. <i>Australian Journal of Forensic Sciences</i> , 2020 , 1-11	1.1	1
79	Forensic inference of biogeographical ancestry from genotype: The Genetic Ancestry Lab. <i>Wiley Interdisciplinary Reviews Forensic Science</i> , 2020 , 2,	2.6	1
78	DNA recovery from unfired and fired cartridge cases: A comparison of swabbing, tape lifting, vacuum filtration, and direct PCR. <i>Forensic Science International</i> , 2020 , 317, 110507	2.6	3
77	Degradation of nuclear and mitochondrial DNA after γ irradiation and its effect on forensic genotyping. <i>Forensic Science, Medicine, and Pathology</i> , 2020 , 16, 395-405	1.5	0
76	Population genetic portrait of Pakistani Lahore-Christians based on 32 STR loci. <i>Scientific Reports</i> , 2020 , 10, 18960	4.9	0
75	Comparison of Genome-Wide Association Scans for Quantitative and Observational Measures of Human Hair Curvature. <i>Twin Research and Human Genetics</i> , 2020 , 23, 271-277	2.2	2
74	Forensic Autosomal Short Tandem Repeats and Their Potential Association With Phenotype. <i>Frontiers in Genetics</i> , 2020 , 11, 884	4.5	9

73	Crowdsourced and crowdfunded: the future of forensic DNA?. <i>Australian Journal of Forensic Sciences</i> , 2020 , 52, 235-241	1.1	4
72	Response to: Biedermann & Hicks (2019), Commentary on "Dennis McNevin, Bayesian interpretation of discrete class characteristics, <i>Forensic Science International</i> , 292 (2018) 125-130". <i>Forensic Science International</i> , 2019 , 298, e1-e2	2.6	1
71	Automating direct-to-PCR for disaster victim identification. <i>Australian Journal of Forensic Sciences</i> , 2019 , 51, S39-S43	1.1	2
70	Policy and regulatory implications of the new frontier of forensic genomics: direct-to-consumer genetic data and genealogy records. <i>Current Issues in Criminal Justice</i> , 2019 , 31, 194-216	1	14
69	Commentary on: Bright et al. (2018) Internal validation of STRmix [®] a multi laboratory response to PCAST, <i>Forensic Science International: Genetics</i> , 34: 11-24. <i>Forensic Science International: Genetics</i> , 2019 , 41, e14-e17	4.3	3
68	A law enforcement intelligence framework for use in predictive DNA phenotyping. <i>Australian Journal of Forensic Sciences</i> , 2019 , 51, S255-S258	1.1	4
67	Ancestry informative markers (AIMs) for Korean and other East Asian and South East Asian populations. <i>International Journal of Legal Medicine</i> , 2019 , 133, 1711-1719	3.1	4
66	MAPlex - A massively parallel sequencing ancestry analysis multiplex for Asia-Pacific populations. <i>Forensic Science International: Genetics</i> , 2019 , 42, 213-226	4.3	26
65	An international consideration of a standards-based approach to forensic genetic genealogy. <i>Forensic Science International: Genetics Supplement Series</i> , 2019 , 7, 512-514	0.5	1
64	Performance of ancestry-informative SNP and microhaplotype markers. <i>Forensic Science International: Genetics</i> , 2019 , 43, 102141	4.3	28
63	Bacillus species at the Canberra Airport: A comparison of real-time polymerase chain reaction and massively parallel sequencing for identification. <i>Forensic Science International</i> , 2019 , 295, 169-178	2.6	2
62	Genetic analysis of 12 X-STRs for forensic purposes in Liaoning Manchu population from China. <i>Gene</i> , 2019 , 683, 153-158	3.8	6
61	The QIAGEN 140-locus single-nucleotide polymorphism (SNP) panel for forensic identification using massively parallel sequencing (MPS): an evaluation and a direct-to-PCR trial. <i>International Journal of Legal Medicine</i> , 2019 , 133, 677-688	3.1	8
60	Species identification using high resolution melting (HRM) analysis with random forest classification. <i>Australian Journal of Forensic Sciences</i> , 2019 , 51, 57-72	1.1	6
59	Predictive DNA analysis for biogeographical ancestry. <i>Australian Journal of Forensic Sciences</i> , 2018 , 1-8	1.1	3
58	Singleplex quantitative real-time PCR for the assessment of human mitochondrial DNA quantity and quality. <i>Forensic Science, Medicine, and Pathology</i> , 2018 , 14, 70-75	1.5	9
57	Assessment of the Precision ID Ancestry panel. <i>International Journal of Legal Medicine</i> , 2018 , 132, 1581-1594	3.1	31
56	Forensic DNA phenotyping: Developing a model privacy impact assessment. <i>Forensic Science International: Genetics</i> , 2018 , 34, 222-230	4.3	13

55	Forensic characterization of 15 autosomal STRs in four populations from Xinjiang, China, and genetic relationships with neighboring populations. <i>Scientific Reports</i> , 2018 , 8, 4673	4.9	19
54	Massively parallel sequencing and the emergence of forensic genomics: Defining the policy and legal issues for law enforcement. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2018 , 58, 153-158	2	13
53	Dog breed affiliation with a forensically validated canine STR set. <i>Forensic Science International: Genetics</i> , 2018 , 37, 126-134	4.3	5
52	Bayesian interpretation of discrete class characteristics. <i>Forensic Science International</i> , 2018 , 292, 125-130	6	7
51	Current and emerging tools for the recovery of genetic information from post mortem samples: New directions for disaster victim identification. <i>Forensic Science International: Genetics</i> , 2018 , 37, 270-282	4.3	22
50	Prediction of biogeographical ancestry in admixed individuals. <i>Forensic Science International: Genetics</i> , 2018 , 36, 104-111	4.3	11
49	Fungal bioreceptivity of Japanese tissue papers treated with plant dyes, watercolours, and acrylic paints in paper conservation. <i>Studies in Conservation</i> , 2017 , 62, 104-113	0.6	1
48	Characterization of <i>Yersinia</i> species by protein profiling using automated microfluidic capillary electrophoresis. <i>Forensic Science, Medicine, and Pathology</i> , 2017 , 13, 10-19	1.5	4
47	Prediction of biogeographical ancestry from genotype: a comparison of classifiers. <i>International Journal of Legal Medicine</i> , 2017 , 131, 901-912	3.1	14
46	Increased Epicardial Fat Thickness in Sudden Death From Stable Coronary Artery Atherosclerosis. <i>American Journal of Forensic Medicine and Pathology</i> , 2017 , 38, 162-166	1	10
45	HRM and SNaPshot as alternative forensic SNP genotyping methods. <i>Forensic Science, Medicine, and Pathology</i> , 2017 , 13, 293-301	1.5	10
44	Forensically relevant SNaPshot assays for human DNA SNP analysis: a review. <i>International Journal of Legal Medicine</i> , 2017 , 131, 21-37	3.1	52
43	Influence of acidity on the mechanical stability of retouched Japanese tissue papers during the course of artificial ageing. <i>AICCM Bulletin</i> , 2017 , 38, 3-14	0.3	2
42	Allele frequency data for 15 autosomal STR loci in eight Indonesian subpopulations. <i>Forensic Science International: Genetics</i> , 2016 , 20, 45-52	4.3	4
41	Variation and Heritability in Hair Diameter and Curvature in an Australian Twin Sample. <i>Twin Research and Human Genetics</i> , 2016 , 19, 351-8	2.2	4
40	Preservation of and DNA Extraction from Muscle Tissue. <i>Methods in Molecular Biology</i> , 2016 , 1420, 43-53	1.4	4
39	Evaluation of commercial DNA extraction methods for biosecurity applications. <i>Australian Journal of Forensic Sciences</i> , 2016 , 48, 407-420	1.1	3
38	Common Genetic Variants Influence Whorls in Fingerprint Patterns. <i>Journal of Investigative Dermatology</i> , 2016 , 136, 859-862	4.3	14

37	Direct-to-PCR tissue preservation for DNA profiling. <i>International Journal of Legal Medicine</i> , 2016 , 130, 607-13	3.1	18
36	Effects of Plant Dyes, Watercolors and Acrylic Paints on the Colorfastness of Japanese Tissue Papers. <i>Journal of the American Institute for Conservation</i> , 2016 , 55, 56-70	0.6	2
35	Massively parallel sequencing of customised forensically informative SNP panels on the MiSeq. <i>Electrophoresis</i> , 2016 , 37, 2832-2840	3.6	11
34	Development of a forensic identity SNP panel for Indonesia. <i>International Journal of Legal Medicine</i> , 2015 , 129, 681-91	3.1	3
33	Background frequency of Bacillus species at the Canberra Airport: A 12 month study. <i>Forensic Science International</i> , 2015 , 257, 142-148	2.6	1
32	A SNaPshot of next generation sequencing for forensic SNP analysis. <i>Forensic Science International: Genetics</i> , 2015 , 14, 50-60	4.3	73
31	Toning Japanese tissue papers: An international survey of paper conservation practitioners. <i>AICCM Bulletin</i> , 2015 , 36, 116-123	0.3	3
30	Reduced reaction volumes and increased Taq DNA polymerase concentration improve STR profiling outcomes from a real-world low template DNA source: telogen hairs. <i>Forensic Science, Medicine, and Pathology</i> , 2015 , 11, 326-38	1.5	15
29	Characterization of Bacillus strains and hoax agents by protein profiling using automated microfluidic capillary electrophoresis. <i>Forensic Science, Medicine, and Pathology</i> , 2014 , 10, 380-9	1.5	5
28	Recovery and identification of bacterial DNA from illicit drugs. <i>Forensic Science International</i> , 2014 , 235, 78-85	2.6	9
27	An overview of biosecurity in Australia. <i>Australian Journal of Forensic Sciences</i> , 2014 , 46, 383-396	1.1	4
26	Assessment of high resolution melting analysis as a potential SNP genotyping technique in forensic casework. <i>Electrophoresis</i> , 2014 , 35, 3036-43	3.6	8
25	A quantitative assessment of a reliable screening technique for the STR analysis of telogen hair roots. <i>Forensic Science International: Genetics</i> , 2013 , 7, 180-8	4.3	23
24	An assessment of Bayesian and multinomial logistic regression classification systems to analyse admixed individuals. <i>Forensic Science International: Genetics Supplement Series</i> , 2013 , 4, e63-e64	0.5	10
23	High resolution melting (HRM) of forensically informative SNPs. <i>Forensic Science International: Genetics Supplement Series</i> , 2013 , 4, e376-e377	0.5	6
22	Non-cryogenic forensic tissue preservation in the field: a review. <i>Australian Journal of Forensic Sciences</i> , 2013 , 45, 450-460	1.1	9
21	Human tissue preservation for disaster victim identification (DVI) in tropical climates. <i>Forensic Science International: Genetics</i> , 2012 , 6, 653-7	4.3	19
20	Comparison of DNA extraction methods for identification of human remains. <i>Australian Journal of Forensic Sciences</i> , 2012 , 44, 117-127	1.1	8

19	An in-depth population genetic analysis of forensic short tandem repeat loci in Indonesia. <i>Forensic Science International: Genetics Supplement Series</i> , 2011 , 3, e157-e158	0.5	3
18	A preliminary mitochondrial DNA SNP genotyping assay for inferring genealogy. <i>Australian Journal of Forensic Sciences</i> , 2011 , 43, 39-51	1.1	2
17	Differences in carbon isotope discrimination of three variants of D-ribulose-1,5-bisphosphate carboxylase/oxygenase reflect differences in their catalytic mechanisms. <i>Journal of Biological Chemistry</i> , 2007 , 282, 36068-76	5.4	69
16	STR genotyping of exogenous hair shaft DNA. <i>Australian Journal of Forensic Sciences</i> , 2007 , 39, 107-122	1.1	3
15	Determining RuBisCO activation kinetics and other rate and equilibrium constants by simultaneous multiple non-linear regression of a kinetic model. <i>Journal of Experimental Botany</i> , 2006 , 57, 3883-900	7	37
14	Measurement of (carbon) kinetic isotope effect by Rayleigh fractionation using membrane inlet mass spectrometry for CO-consuming reactions. <i>Functional Plant Biology</i> , 2006 , 33, 1115-1128	2.7	32
13	Short tandem repeat (STR) genotyping of keratinised hair. Part 2. An optimised genomic DNA extraction procedure reveals donor dependence of STR profiles. <i>Forensic Science International</i> , 2005 , 153, 247-59	2.6	48
12	Short tandem repeat (STR) genotyping of keratinised hair. Part 1. Review of current status and knowledge gaps. <i>Forensic Science International</i> , 2005 , 153, 237-46	2.6	47
11	Indicators of biofilm development and activity in constructed wetlands microcosms. <i>Water Research</i> , 2004 , 38, 2865-73	12.5	73
10	Inter-relationship between adsorption and pH in peat biofilters in the context of a cation-exchange mechanism. <i>Water Research</i> , 2001 , 35, 736-44	12.5	20
9	Alternative analysis of BOD removal in subsurface flow constructed wetlands employing Monod kinetics. <i>Water Research</i> , 2001 , 35, 1295-303	12.5	74
8	Biofiltration as an odour abatement strategy. <i>Biochemical Engineering Journal</i> , 2000 , 5, 231-242	4.2	100
7	Strategies for dealing with piggery effluent in Australia: the sequencing batch reactor as a solution. <i>Water Science and Technology</i> , 2000 , 41, 123-126	2.2	74
6	Towards an integrated performance model for subsurface flow constructed wetlands. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2000 , 35, 1415-1429	2.3	10
5	Adsorption and biological degradation of ammonium and sulfide on peat. <i>Water Research</i> , 1999 , 33, 1449-1459	2.5	25
4	Modelling adsorption and biological degradation of nutrients on peat. <i>Biochemical Engineering Journal</i> , 1998 , 2, 217-228	4.2	13
3	Sensitivity Analysis of Floc-Based Nutrient Removal. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998 , 31, 29-36		
2	Systematic benchmarking of tools for CpG methylation detection from Nanopore sequencing		5

1	Trace DNA recovery rates from firearms and ammunition as revealed by casework data. <i>Australian Journal of Forensic Sciences</i> ,1-16	1.1	1
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