Dennis Mcnevin

List of Publications by Year
in descending order

90	1,825	304368	315357
papers	citations	22 h-index	38 g-index

93	93	93	1723
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biofiltration as an odour abatement strategy. Biochemical Engineering Journal, 2000, 5, 231-242.	1.8	118
2	Alternative analysis of BOD removal in subsurface flow constructed wetlands employing Monod kinetics. Water Research, 2001, 35, 1295-1303.	5.3	88
3	Differences in Carbon Isotope Discrimination of Three Variants of D-Ribulose-1,5-bisphosphate Carboxylase/Oxygenase Reflect Differences in Their Catalytic Mechanisms. Journal of Biological Chemistry, 2007, 282, 36068-36076.	1.6	87
4	Indicators of biofilm development and activity in constructed wetlands microcosms. Water Research, 2004, 38, 2865-2873.	5.3	85
5	A SNaPshot of next generation sequencing for forensic SNP analysis. Forensic Science International: Genetics, 2015, 14, 50-60.	1.6	85
6	Strategies for dealing with piggery effluent in Australia: the sequencing batch reactor as a solution. Water Science and Technology, 2000, 41, 123-126.	1.2	80
7	Forensically relevant SNaPshotÂ® assays for human DNA SNP analysis: a review. International Journal of Legal Medicine, 2017, 131, 21-37.	1.2	72
8	Systematic benchmarking of tools for CpG methylation detection from nanopore sequencing. Nature Communications, 2021, 12, 3438.	5.8	71
9	MAPlex - A massively parallel sequencing ancestry analysis multiplex for Asia-Pacific populations. Forensic Science International: Genetics, 2019, 42, 213-226.	1.6	63
10	Performance of ancestry-informative SNP and microhaplotype markers. Forensic Science International: Genetics, 2019, 43, 102141.	1.6	55
11	Short tandem repeat (STR) genotyping of keratinised hair. Forensic Science International, 2005, 153, 237-246.	1.3	54
12	Short tandem repeat (STR) genotyping of keratinised hair Part 2. An optimised genomic DNA extraction procedure reveals donor dependence of STR profiles. Forensic Science International, 2005, 153, 247-259.	1.3	50
13	Forensic Autosomal Short Tandem Repeats and Their Potential Association With Phenotype. Frontiers in Genetics, 2020, 11, 884.	1.1	49
14	Current and emerging tools for the recovery of genetic information from post mortem samples: New directions for disaster victim identification. Forensic Science International: Genetics, 2018, 37, 270-282.	1.6	45
15	Determining RuBisCO activation kinetics and other rate and equilibrium constants by simultaneous multiple non-linear regression of a kinetic model. Journal of Experimental Botany, 2006, 57, 3883-3900.	2.4	44
16	Assessment of the Precision ID Ancestry panel. International Journal of Legal Medicine, 2018, 132, 1581-1594.	1.2	44
17	Measurement of (carbon) kinetic isotope effect by Rayleigh fractionation using membrane inlet mass spectrometry for CO2-consuming reactions. Functional Plant Biology, 2006, 33, 1115.	1.1	40
18	Adsorption and biological degradation of ammonium and sulfide on peat. Water Research, 1999, 33, 1449-1459.	5.3	33

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19	A quantitative assessment of a reliable screening technique for the STR analysis of telogen hair roots. Forensic Science International: Genetics, 2013, 7, 180-188.	1.6	32
20	Human tissue preservation for disaster victim identification (DVI) in tropical climates. Forensic Science International: Genetics, 2012, 6, 653-657.	1.6	28
21	Forensic characterization of 15 autosomal STRs in four populations from Xinjiang, China, and genetic relationships with neighboring populations. Scientific Reports, 2018, 8, 4673.	1.6	26
22	Direct-to-PCR tissue preservation for DNA profiling. International Journal of Legal Medicine, 2016, 130, 607-613.	1.2	25
23	Forensic DNA phenotyping: Developing a model privacy impact assessment. Forensic Science International: Genetics, 2018, 34, 222-230.	1.6	23
24	Massively parallel sequencing and the emergence of forensic genomics: Defining the policy and legal issues for law enforcement. Science and Justice - Journal of the Forensic Science Society, 2018, 58, 153-158.	1.3	23
25	Inter-relationship between adsorption and pH in peat biofilters in the context of a cation-exchange mechanism. Water Research, 2001, 35, 736-744.	5.3	21
26	Policy and regulatory implications of the new frontier of forensic genomics: direct-to-consumer genetic data and genealogy records. Current Issues in Criminal Justice, 2019, 31, 194-216.	0.8	21
27	Prediction of biogeographical ancestry from genotype: a comparison of classifiers. International Journal of Legal Medicine, 2017, 131, 901-912.	1.2	20
28	Common Genetic Variants Influence Whorls inÂFingerprint Patterns. Journal of Investigative Dermatology, 2016, 136, 859-862.	0.3	19
29	Prediction of biogeographical ancestry in admixed individuals. Forensic Science International: Genetics, 2018, 36, 104-111.	1.6	19
30	DNA recovery from unfired and fired cartridge cases: A comparison of swabbing, tape lifting, vacuum filtration, and direct PCR. Forensic Science International, 2020, 317, 110507.	1.3	17
31	Comparison of the performance of metal oxide and conducting polymer electronic noses for detection of aflatoxin using artificially contaminated maize. Sensors and Actuators B: Chemical, 2022, 360, 131681.	4.0	17
32	Reduced reaction volumes and increased Taq DNA polymerase concentration improve STR profiling outcomes from a real-world low template DNA source: telogen hairs. Forensic Science, Medicine, and Pathology, 2015, 11, 326-338.	0.6	16
33	Modelling adsorption and biological degradation of nutrients on peat. Biochemical Engineering Journal, 1998, 2, 217-228.	1.8	15
34	Massively parallel sequencing of customised forensically informative SNP panels on the MiSeq. Electrophoresis, 2016, 37, 2832-2840.	1.3	15
35	Increased Epicardial Fat Thickness in Sudden Death From Stable Coronary Artery Atherosclerosis. American Journal of Forensic Medicine and Pathology, 2017, 38, 162-166.	0.4	15
36	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. International Journal of Legal Medicine, 2019, 133, 677-688.	1.2	15

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37	Singleplex quantitative real-time PCR for the assessment of human mitochondrial DNA quantity and quality. Forensic Science, Medicine, and Pathology, 2018, 14, 70-75.	0.6	14
38	Non-cryogenic forensic tissue preservation in the field: a review. Australian Journal of Forensic Sciences, 2013, 45, 450-460.	0.7	13
39	Towards an integrated performance model for subsurface flow constructed wetlands. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 1415-1429.	0.9	12
40	HRM and SNaPshot as alternative forensic SNP genotyping methods. Forensic Science, Medicine, and Pathology, 2017, 13, 293-301.	0.6	12
41	Dog breed affiliation with a forensically validated canine STR set. Forensic Science International: Genetics, 2018, 37, 126-134.	1.6	12
42	Assessment of high resolution melting analysis as a potential SNP genotyping technique in forensic casework. Electrophoresis, 2014, 35, 3036-3043.	1.3	11
43	Comparison of DNA extraction methods for identification of human remains. Australian Journal of Forensic Sciences, 2012, 44, 117-127.	0.7	10
44	An assessment of Bayesian and multinomial logistic regression classification systems to analyse admixed individuals. Forensic Science International: Genetics Supplement Series, 2013, 4, e63-e64.	0.1	10
45	Genetic analysis of 12 X-STRs for forensic purposes in Liaoning Manchu population from China. Gene, 2019, 683, 153-158.	1.0	10
46	Species identification using high resolution melting (HRM) analysis with random forest classification. Australian Journal of Forensic Sciences, 2019, 51, 57-72.	0.7	10
47	An in-field evaluation of rapid DNA instruments for disaster victim identification. International Journal of Legal Medicine, 2022, 136, 493-499.	1.2	10
48	Recovery and identification of bacterial DNA from illicit drugs. Forensic Science International, 2014, 235, 78-85.	1.3	9
49	Ancestry informative markers (AIMs) for Korean and other East Asian and South East Asian populations. International Journal of Legal Medicine, 2019, 133, 1711-1719.	1.2	9
50	Touch DNA recovery from unfired and fired cartridges: Comparison of swabbing, tape lifting and soaking. Forensic Science International, 2022, 330, 111101.	1.3	9
51	Characterization of Bacillus strains and hoax agents by protein profiling using automated microfluidic capillary electrophoresis. Forensic Science, Medicine, and Pathology, 2014, 10, 380-389.	0.6	7
52	Preservation of and DNA Extraction from Muscle Tissue. Methods in Molecular Biology, 2016, 1420, 43-53.	0.4	7
53	Bayesian interpretation of discrete class characteristics. Forensic Science International, 2018, 292, 125-130.	1.3	7
54	A law enforcement intelligence framework for use in predictive DNA phenotyping. Australian Journal of Forensic Sciences, 2019, 51, S255-S258.	0.7	7

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55	High resolution melting (HRM) of forensically informative SNPs. Forensic Science International: Genetics Supplement Series, 2013, 4, e376-e377.	0.1	6
56	Effects of Plant Dyes, Watercolors and Acrylic Paints on the Colorfastness of Japanese Tissue Papers. Journal of the American Institute for Conservation, 2016, 55, 56-70.	0.2	6
57	Predictive DNA analysis for biogeographical ancestry. Australian Journal of Forensic Sciences, 0, , 1-8.	0.7	6
58	An international consideration of a standards-based approach to forensic genetic genealogy. Forensic Science International: Genetics Supplement Series, 2019, 7, 512-514.	0.1	6
59	An overview of biosecurity in Australia. Australian Journal of Forensic Sciences, 2014, 46, 383-396.	0.7	5
60	Variation and Heritability in Hair Diameter and Curvature in an Australian Twin Sample. Twin Research and Human Genetics, 2016, 19, 351-358.	0.3	5
61	Allele frequency data for 15 autosomal STR loci in eight Indonesian subpopulations. Forensic Science International: Genetics, 2016, 20, 45-52.	1.6	5
62	Development of a forensic identity SNP panel for Indonesia. International Journal of Legal Medicine, 2015, 129, 681-691.	1.2	4
63	Characterization of Yersinia species by protein profiling using automated microfluidic capillary electrophoresis. Forensic Science, Medicine, and Pathology, 2017, 13, 10-19.	0.6	4
64	Commentary on: Bright et al. (2018) Internal validation of STRmixâ„¢ â€“ a multi laboratory response to PCAST, Forensic Science International: Genetics, 34: 11â€“24. Forensic Science International: Genetics, 2019, 41, e14-e17.	1.6	4
65	Crowdsourced and crowdfunded: the future of forensic DNA?. Australian Journal of Forensic Sciences, 2020, 52, 235-241.	0.7	4
66	Forensic inference of biogeographical ancestry from genotype: The Genetic Ancestry Lab. Wiley Interdisciplinary Reviews Forensic Science, 2020, 2, .	1.2	4
67	Evaluation of soaking to recover trace DNA from fired cartridge cases. Australian Journal of Forensic Sciences, 2020, , 1-11.	0.7	4
68	Trace DNA recovery rates from firearms and ammunition as revealed by casework data. Australian Journal of Forensic Sciences, 0, , 1-16.	0.7	4
69	STR genotyping of exogenous hair shaft DNA. Australian Journal of Forensic Sciences, 2007, 39, 107-122.	0.7	3
70	An in-depth population genetic analysis of forensic short tandem repeat loci in Indonesia. Forensic Science International: Genetics Supplement Series, 2011, 3, e157-e158.	0.1	3
71	Toning Japanese tissue papers: An international survey of paper conservation practitioners. AICCM Bulletin, 2015, 36, 116-123.	0.1	3
72	Evaluation of commercial DNA extraction methods for biosecurity applications. Australian Journal of Forensic Sciences, 2016, 48, 407-420.	0.7	3

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73	Population genetic portrait of Pakistani Lahore-Christians based on 32 STR loci. Scientific Reports, 2020, 10, 18960.	1.6	3
74	Comparison of Genome-Wide Association Scans for Quantitative and Observational Measures of Human Hair Curvature. Twin Research and Human Genetics, 2020, 23, 271-277.	0.3	3
75	Proposed Framework for Comparison of Continuous Probabilistic Genotyping Systems amongst Different Laboratories. Forensic Sciences, 2021, 1, 33-45.	0.8	3
76	A preliminary mitochondrial DNA SNP genotyping assay for inferring genealogy. Australian Journal of Forensic Sciences, 2011, 43, 39-51.	0.7	2
77	Influence of acidity on the mechanical stability of retouched Japanese tissue papers during the course of artificial ageing. AICCM Bulletin, 2017, 38, 3-14.	0.1	2
78	Automating direct-to-PCR for disaster victim identification. Australian Journal of Forensic Sciences, 2019, 51, S39-S43.	0.7	2
79	Bacillus species at the Canberra Airport: A comparison of real-time polymerase chain reaction and massively parallel sequencing for identification. Forensic Science International, 2019, 295, 169-178.	1.3	2
80	Degradation of nuclear and mitochondrial DNA after Î³-irradiation and its effect on forensic genotyping. Forensic Science, Medicine, and Pathology, 2020, 16, 395-405.	0.6	2
81	Identification of Bacillus and Yersinia species and hoax agents by protein profiling using microfluidic capillary electrophoresis with peak detection algorithms. Australian Journal of Forensic Sciences, 2021, 53, 2-15.	0.7	2
82	Efficient DNA Profiling Protocols for Disaster Victim Identification. Forensic Sciences, 2021, 1, 148-170.	0.8	2
83	Source Level Attribution: DNA Profiling from the ABAcardÂ® HemaTraceÂ® Kit. Forensic Sciences, 2021, 1, 116-129.	0.8	2
84	Background frequency of Bacillus species at the Canberra Airport: A 12 month study. Forensic Science International, 2015, 257, 142-148.	1.3	1
85	Fungal bioreceptivity of Japanese tissue papers treated with plant dyes, watercolours, and acrylic paints in paper conservation. Studies in Conservation, 2017, 62, 104-113.	0.6	1
86	Increased epicardial fat thickness in sudden death from stable coronary artery atherosclerosis. Pathology, 2017, 49, S102.	0.3	1
87	Response to: Biedermann & Hicks (2019), Commentary on â€œDennis McNevin, Bayesian interpretation of discrete class characteristics, Forensic Science International, 292 (2018) 125â€“130â€. Forensic Science International, 2019, 298, e1-e2.	1.3	1
88	Sensitivity Analysis of Floc-Based Nutrient Removal. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 29-36.	0.4	0
89	Online Population Data Resources for Forensic SNP Analysis with Massively Parallel Sequencing: An Overview of Online Population Data for Forensic Purposes. , 2021, , 241-287.		0
90	Empirical Evidence on Enhanced Mutation Rates of 19 RM-YSTRs for Differentiating Paternal Lineages. Genes, 2022, 13, 946.	1.0	0