Cedric Neumann

List of Publications by Year
in descending order

40 papers	879 citations	516561 16 h-index	477173 29 g-index
41 all docs	41 docs citations	41 times ranked	466 citing authors

#	Article	IF	Citations
1	Quantifying the Weight of Evidence from a Forensic Fingerprint Comparison: A New Paradigm. Journal of the Royal Statistical Society Series A: Statistics in Society, 2012, 175, 371-415.	0.6	118
2	Computation of Likelihood Ratios in Fingerprint Identification for Configurations of Any Number of Minutiae. Journal of Forensic Sciences, 2007, 52, 54-64.	0.9	112
3	Computation of Likelihood Ratios in Fingerprint Identification for Configurations of Three Minutiae. Journal of Forensic Sciences, 2006, 51, 1255-1266.	0.9	75
4	Interpretation of complex DNA profiles using empirical models and a method to measure their robustness. Forensic Science International: Genetics, 2008, 2, 91-103.	1.6	75
5	Forensic examination of ink by high-performance thin layer chromatographyâ€"The United States Secret Service Digital Ink Library. Journal of Chromatography A, 2011, 1218, 2793-2811.	1.8	63
6	New perspectives in the use of ink evidence in forensic science: Part I. Development of a quality assurance process for forensic ink analysis by HPTLC. Forensic Science International, 2009, 185, 29-37.	1.3	53
7	Consensus on validation of forensic voice comparison. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 299-309.	1.3	37
8	Quantifying the weight of fingerprint evidence through the spatial relationship, directions and types of minutiae observed on fingermarks. Forensic Science International, 2015, 248, 154-171.	1.3	24
9	Quantitative assessment of evidential weight for a fingerprint comparison I. Generalisation to the comparison of a mark with set of ten prints from a suspect. Forensic Science International, 2011, 207, 101-105.	1.3	23
10	A Bayesian approach for interpreting shoemark evidence in forensic casework: Accounting for wear features. Forensic Science International, 2011, 210, 26-30.	1.3	23
11	New perspectives in the use of ink evidence in forensic science. Forensic Science International, 2009, 185, 38-50.	1.3	22
12	New perspectives in the use of ink evidence in forensic science. Forensic Science International, 2009, 192, 29-42.	1.3	21
13	Defence against the modern arts: the curse of statisticsâ€"Part II: â€˜Score-based likelihood ratiosâ€™. Law, Probability and Risk, 2020, 19, 21-42.	1.2	21
14	Review and application of functional data analysis to chemical dataâ€"The example of the comparison, classification, and database search of forensic ink chromatograms. Chemometrics and Intelligent Laboratory Systems, 2015, 149, 97-106.	1.8	19
15	The characterization of Monte Carlo errors for the quantification of the value of forensic evidence. Journal of Statistical Computation and Simulation, 2017, 87, 1608-1643.	0.7	18
16	Interpretation of complex DNA profiles using Tippett plots. Forensic Science International: Genetics Supplement Series, 2008, 1, 646-648.	0.1	17
17	An argument against presenting interval quantifications as a surrogate for the value of evidence. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 383-387.	1.3	17
18	Detection of insertion/deletion polymorphisms from challenged samples using the Investigator DIPplex Â® Kit. Forensic Science International: Genetics, 2015, 16, 29-37.	1.6	14

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19	Operational benefits and challenges of the use of fingerprint statistical models: A field study. Forensic Science International, 2011, 212, 32-46.	1.3	13
20	Fingerprints at the Crime-Scene: Statistically Certain, or Probable?. Significance, 2012, 9, 21-25.	0.3	12
21	Exploitation of very small particles to enhance the probative value of carpet fibers. Forensic Science International, 2015, 252, 52-68.	1.3	12
22	Considerations on the ASTM Standards 1789â€04 and 1422â€05 on the Forensic Examination of Ink. Journal of Forensic Sciences, 2010, 55, 1304-1310.	0.9	11
23	Presenting Quantitative and Qualitative Information on Forensic Science Evidence in the Courtroom. Chance, 2016, 29, 37-43.	0.1	11
24	Quantitative assessment of evidential weight for a fingerprint comparison. Part II: A generalisation to take account of the general pattern. Forensic Science International, 2012, 214, 195-199.	1.3	10
25	Determination of AFIS â€œsufficiencyâ€•in friction ridge examination. Forensic Science International, 2016, 263, 114-125.	1.3	9
26	Forensic Examination of Fingerprints: Past, Present, and Future. Chance, 2016, 29, 9-16.	0.1	7
27	Differential analysis of very small particles (VSP) from the contact surfaces and recessed areas of footwear. Forensic Science International, 2019, 298, 106-114.	1.3	6
28	Discrimination and classification among common items of evidence using particle combination profiles. Forensic Science International, 2018, 289, 92-107.	1.3	5
29	Rates of loss and replacement of very small particles (VSP) on the contact surfaces of footwear during successive exposures. Forensic Science International, 2019, 296, 39-47.	1.3	5
30	Vacuous standards â€“ Subversion of the OSAC standards-development process. Forensic Science International (Online), 2020, 2, 206-209.	0.6	5
31	Defence against the modern arts: the curse of statistics: Part Iâ€”FRStat. Law, Probability and Risk, 2020, 19, 1-20.	1.2	5
32	Commentary on:Alberink I, de Jongh A, Rodriguez C. Fingermark evidence evaluation based on automated fingerprint identification system matching scores: the effect of different types of conditioning on likelihood ratios. J Forensic Sci 2014; 59(1):70-81.. Journal of Forensic Sciences, 2015, 60, 252-256.	0.9	3
33	Kernel-based methods for source identification using very small particles from carpet fibers. Chemometrics and Intelligent Laboratory Systems, 2017, 160, 99-109.	1.8	3
34	Communicating forensic evidence: Is it appropriate to report posterior beliefs when DNA evidence is obtained through a database search?. Law, Probability and Risk, 2019, 18, 25-34.	1.2	3
35	A Bayesian approach for the analysis of error rate studies in forensic science. Forensic Science International, 2020, 306, 110047.	1.3	2
36	Twoâ€stage approach for the inference of the source ofÂhighâ€dimensional and complex chemical data inÂforensicÂscience. Journal of Chemometrics, 2021, 35, .	0.7	2

#	Article	IF	Citations
37	A comment on experimental results of fingerprint comparison validity and reliability: A review and critical analysis. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 393-395.	1.3	1
38	Deconvolution of dust mixtures. Forensic Science International, 2020, 308, 110144.	1.3	1
39	Quantification of the weight of fingerprint evidence using a ROC-based Approximate Bayesian Computation algorithm for model selection. Electronic Journal of Statistics, 2021, 15, .	0.4	1
40	Corrigendum to â€œQuantification of the weight of fingerprint evidence using a ROC-based Approximate Bayesian Computation algorithm for model selectionâ€• Electronic Journal of Statistics, 2021, 15, .	0.4	0