Christophe Champod

List of Publications by Year
in descending order

115 papers	3,608 citations	117625 34 h-index	175258 52 g-index
119 all docs	119 docs citations	119 times ranked	1510 citing authors

#	Article	IF	Citations
1	Fingerprints and Other Ridge Skin Impressions. , 0, , .		255
2	The inference of identity in forensic speaker recognition. Speech Communication, 2000, 31, 193-203.	2.8	132
3	The nature of forensic science opinionâ€"a possible framework to guide thinking and practicce in investigation and in court proceedings. Science and Justice - Journal of the Forensic Science Society, 2006, 46, 33-44.	2.1	129
4	Initial Results on the Composition of Fingerprints and its Evolution as a Functionâ€˜of Time by GC/MS Analysis. Journal of Forensic Sciences, 2011, 56, 102-108.	1.6	123
5	Computation of Likelihood Ratios in Fingerprint Identification for Configurations of Any Number of Minutiae. Journal of Forensic Sciences, 2007, 52, 54-64.	1.6	112
6	Cognitive issues in fingerprint analysis: Inter- and intra-expert consistency and the effect of a â€˜targetâ€™ comparison. Forensic Science International, 2011, 208, 10-17.	2.2	105
7	Interpreting Small Quantities of DNA: the Hierarchy of Propositions and the Use of Bayesian Networks. Journal of Forensic Sciences, 2002, 47, 520-530.	1.6	92
8	Evidence evaluation: A response to the court of appeal judgment in R v T. Science and Justice - Journal of the Forensic Science Society, 2011, 51, 43-49.	2.1	87
9	Testing for Potential Contextual Bias Effects During the Verification Stage of the ACEâ€V Methodology when Conducting Fingerprint Comparisons*. Journal of Forensic Sciences, 2009, 54, 571-582.	1.6	86
10	Single-metal deposition (SMD) as a latent fingermark enhancement technique: An alternative to multimetal deposition (MMD). Forensic Science International, 2007, 168, e5-e9.	2.2	84
11	Use of gold nanoparticles as molecular intermediates for the detection of fingermarks. Forensic Science International, 2007, 168, 169-176.	2.2	79
12	Use of quantum dots in aqueous solution to detect blood fingermarks on non-porous surfaces. Forensic Science International, 2009, 191, 36-41.	2.2	77
13	Computation of Likelihood Ratios in Fingerprint Identification for Configurations of Three Minutiae. Journal of Forensic Sciences, 2006, 51, 1255-1266.	1.6	75
14	Interpreting small quantities of DNA: the hierarchy of propositions and the use of Bayesian networks. Journal of Forensic Sciences, 2002, 47, 520-30.	1.6	73
15	Evidence evaluation in fingerprint comparison and automated fingerprint identification systemsâ€"Modelling within finger variability. Forensic Science International, 2007, 167, 189-195.	2.2	69
16	Use of stains to detect fingermarks. Biotechnic and Histochemistry, 2011, 86, 140-160.	1.3	63
17	Identification of promising antigenic components in latent fingermark residues. Forensic Science International, 2009, 184, 47-53.	2.2	59
18	Evaluation of preliminary isotopic analysis (13C and 15N) of explosives A likelihood ratio approach to assess the links between semtex samples. Forensic Science International, 2007, 167, 43-48.	2.2	58

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19	Fingermark detection based on the in situ growth of luminescent nanoparticlesâ€"Towards a new generation of multimetal deposition. Forensic Science International, 2008, 179, 39-43.	2.2	57
20	Helping to distinguish primary from secondary transfer events for trace DNA. Forensic Science International: Genetics, 2017, 28, 155-177.	3.1	55
21	Nanoparticles for fingermark detection: an insight into the reaction mechanism. Nanotechnology, 2014, 25, 425502.	2.6	52
22	Earmarks as Evidence: A Critical Review. Journal of Forensic Sciences, 2001, 46, 1275-1284.	1.6	52
23	SECM imaging of MMD-enhanced latent fingermarks. Chemical Communications, 2007, , 3948.	4.1	50
24	Discussion on how to implement a verbal scale in a forensic laboratory: Benefits, pitfalls and suggestions to avoid misunderstandings. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 364-370.	2.1	50
25	Establishing the most appropriate databases for addressing source level propositions. Science and Justice - Journal of the Forensic Science Society, 2004, 44, 153-164.	2.1	49
26	Codeine accumulation and elimination in larvae, pupae, and imago of the blowfly Lucilia sericata and effects on its development. International Journal of Legal Medicine, 2008, 122, 205-211.	2.2	47
27	The potential (negative) influence of observational biases at the analysis stage of fingermark individualisation. Forensic Science International, 2007, 167, 116-120.	2.2	44
28	Functionalised silicon oxide nanoparticles for fingermark detection. Forensic Science International, 2016, 259, 10-18.	2.2	43
29	A template for constructing Bayesian networks in forensic biology cases when considering activity level propositions. Forensic Science International: Genetics, 2018, 33, 136-146.	3.1	41
30	Informing the judgments of fingerprint analysts using quality metric and statistical assessment tools. Forensic Science International, 2012, 219, 183-198.	2.2	40
31	Modern statistical models for forensic fingerprint examinations: A critical review. Forensic Science International, 2013, 232, 131-150.	2.2	38
32	Automatic Comparison and Evaluation of Impressions Left by a Firearm on Fired Cartridge Cases. Journal of Forensic Sciences, 2014, 59, 637-647.	1.6	38
33	Using sensitivity analyses in Bayesian Networks to highlight the impact of data paucity and direct future analyses: a contribution to the debate on measuring and reporting the precision of likelihood ratios. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 402-410.	2.1	38
34	An extended likelihood ratio framework for interpreting evidence. Science and Justice - Journal of the Forensic Science Society, 2006, 46, 69-78.	2.1	37
35	Vulnerabilities of fingerprint reader to fake fingerprints attacks. Forensic Science International, 2011, 204, 41-49.	2.2	37
36	Automated face recognition in forensic science: Review and perspectives. Forensic Science International, 2020, 307, 110124.	2.2	36

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37	The classification and discrimination of glass fragments using non destructive energy dispersive X-ray Î¼fluorescence. Forensic Science International, 2003, 137, 107-118.	2.2	35
38	DNA transfer: informed judgment or mere guesswork?. Frontiers in Genetics, 2013, 4, 300.	2.3	35
39	The importance of distinguishing information from evidence/observations when formulating propositions. Science and Justice - Journal of the Forensic Science Society, 2015, 55, 520-525.	2.1	35
40	Evaluation of Forensic DNA Traces When Propositions of Interest Relate to Activities: Analysis and Discussion of Recurrent Concerns. Frontiers in Genetics, 2016, 7, 215.	2.3	35
41	Interpreting DNA Evidence: A Review. International Statistical Review, 2003, 71, 473-495.	1.9	34
42	Using the Number of Pores on Fingerprint Images to Detect Spoofing Attacks. , 2011, , .		33
43	Research focused mainly on bias will paralyse forensic science. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 107-109.	2.1	33
44	Bayesian framework for the evaluation of fibre transfer evidence. Science and Justice - Journal of the Forensic Science Society, 1997, 37, 75-83.	2.1	32
45	Evaluating forensic biology results given source level propositions. Forensic Science International: Genetics, 2016, 21, 54-67.	3.1	32
46	Cadmium-free quantum dots in aqueous solution: Potential for fingermark detection, synthesis and an application to the detection of fingermarks in blood on non-porous surfaces. Forensic Science International, 2013, 224, 101-110.	2.2	28
47	Finding the way forward for forensic science in the USâ€"A commentary on the PCAST report. Forensic Science International, 2017, 278, 16-23.	2.2	26
48	Linkages between Biometrics and Forensic Science. , 2008, , 425-459.		25
49	Scientific Evidence in Europe -- Admissibility, Evaluation and Equality of Arms. International Commentary on Evidence, 2011, 9, .	0.1	24
50	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.	2.2	24
51	IDENTIFICATION/INDIVIDUALIZATION | Overview and Meaning of ID. , 2000, , 1077-1084.		22
52	Merkel cells and the individuality of friction ridge skin. Journal of Theoretical Biology, 2013, 317, 229-237.	1.7	22
53	Development of European standards for evaluative reporting in forensic science. International Journal of Evidence and Proof, 2017, 21, 14-29.	0.4	22
54	Fingerprints and Other Ridge Skin Impressions. , 0, , .		22

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55	Testing the accuracy and reliability of palmar friction ridge comparisons â€“ A black box study. Forensic Science International, 2021, 318, 110457.	2.2	20
56	Multimodal biometrics for identity documents (). Forensic Science International, 2007, 167, 154-159.	2.2	19
57	Estimating the quantity of transferred DNA in primary and secondary transfers. Science and Justice - Journal of the Forensic Science Society, 2020, 60, 128-135.	2.1	19
58	Evidence evaluation in fingerprint comparison and automated fingerprint identification systemsâ€"Modeling between finger variability. Forensic Science International, 2014, 235, 86-101.	2.2	18
59	Interpol review of fingermarks and other body impressions 2016â€“2019. Forensic Science International (Online), 2020, 2, 442-480.	1.3	18
60	E-learning initiatives in forensic interpretation: Report on experiences from current projects and outlook. Forensic Science International, 2013, 230, 2-7.	2.2	17
61	Value of DNA Tests: A Decision Perspective. Journal of Forensic Sciences, 2007, 52, 31-39.	1.6	16
62	Fingerprint identification: advances since the 2009 National Research Council report. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140259.	4.0	16
63	Resolving differing expert opinions. Science and Justice - Journal of the Forensic Science Society, 2019, 59, 1-8.	2.1	16
64	Fingerprint examination: towards more transparency. Law, Probability and Risk, 2007, 7, 111-118.	2.4	15
65	A Study on the Effects of Immersion in River Water and Seawater on Blood, Saliva, and Sperm Placed on Objects Mimicking Crime Scene Exhibits. Journal of the Canadian Society of Forensic Science, 2008, 41, 149-163.	0.9	14
66	Risk evaluation for spoofing against a sensor supplied with liveness detection. Forensic Science International, 2011, 204, 162-168.	2.2	13
67	The development of an automatic recognition system for earmark and earprint comparisons. Forensic Science International, 2012, 222, 170-178.	2.2	13
68	Spatial analysis of corresponding fingerprint features from match and close non-match populations. Forensic Science International, 2013, 230, 87-98.	2.2	13
69	Integration of Pore Features into the Evaluation of Fingerprint Evidence*. Journal of Forensic Sciences, 2014, 59, 82-93.	1.6	13
70	Assessment of signature handwriting evidence via score-based likelihood ratio based on comparative measurement of relevant dynamic features. Forensic Science International, 2018, 282, 101-110.	2.2	13
71	Using Bayesian networks to track DNA movement through complex transfer scenarios. Forensic Science International: Genetics, 2019, 42, 69-80.	3.1	13
72	A response to â€œLikelihood ratio as weight of evidence: A closer lookâ€•by Lund and Iyer. Forensic Science International, 2018, 288, e15-e19.	2.2	12

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73	Forgeries of Fingerprints in Forensic Science. Advances in Computer Vision and Pattern Recognition, 2014, , 13-34.	1.3	12
74	Comparison and interpretation of impressed marks left by a firearm on cartridge cases â€“ Towards an operational implementation of a likelihood ratio based technique. Forensic Science International, 2020, 313, 110363.	2.2	11
75	Human Fingerprint Imaging by Scanning ElectroChemical Microscopy (SECM). Chimia, 2009, 63, 580.	0.6	10
76	On the use of the likelihood ratio for forensic evaluation: Response to Fenton et al.. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 316-318.	2.1	10
77	A method for measuring the quality of friction skin impression evidence: Method development and validation. Forensic Science International, 2021, 320, 110703.	2.2	10
78	Implementation of algorithms in pattern & impression evidence: A responsible and practical roadmap. Forensic Science International (Online), 2021, 3, 100142.	1.3	10
79	How to assign a likelihood ratio in a footwear mark case: an analysis and discussion in the light of R v T. Law, Probability and Risk, 2012, 11, 259-277.	2.4	9
80	The use of Bayesian Networks and simulation methods to identify the variables impacting the value of evidence assessed under activity level propositions in stabbing cases. Forensic Science International: Genetics, 2020, 48, 102334.	3.1	9
81	Occurrence and associative value of non-identifiable fingermarks. Forensic Science International, 2020, 309, 110219.	2.2	9
82	A dedicated framework for weak biometrics in forensic science for investigation and intelligence purposes: The case of facial information. Security Journal, 2016, 29, 603-617.	1.7	8
83	Objective Evaluation of Subclass Characteristics on Breech Face Marks. Journal of Forensic Sciences, 2017, 62, 417-422.	1.6	8
84	Examining and expanding the friction ridge value decision. Forensic Science International, 2020, 314, 110408.	2.2	8
85	Proactive forensic science in biometrics: Novel materials for fingerprint spoofing. Journal of Forensic Sciences, 2022, 67, 534-542.	1.6	8
86	Overview and Meaning of Identification/Individualization. , 2013, , 303-309.		7
87	The need for reporting standards in forensic science. Law, Probability and Risk, 2015, 14, 169-173.	2.4	7
88	Mind-set â€“ How bias leads to errors in friction ridge comparisons. Forensic Science International, 2021, 318, 110545.	2.2	7
89	Using the likelihood ratio in bloodstain pattern analysis. Journal of Forensic Sciences, 2021, , .	1.6	7
90	Probabilistic reporting and algorithms in forensic science: Stakeholder perspectives within the American criminal justice system. Forensic Science International (Online), 2022, 4, 100220.	1.3	7

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91	La RÃ©vÃ©lation des Traces Papillaires sur les Douilles par les Techniques deEtchinget deBlueinget Comparaison avec la DÃ©position MultimÃ©tallique. Journal of the Canadian Society of Forensic Science, 2000, 33, 65-81.	0.9	6
92	Study on Accuracy of Judgments by Chinese Fingerprint Examiners. Journal of Forensic Science and Medicine, 2015, 1, 33.	0.2	6
93	Use of Bayesian Networks for the investigation of the nature of biological material in casework. Forensic Science International, 2022, 331, 111174.	2.2	6
94	<title>Systematic approach to height interpretation from images</title>. , 2001, 4232, 521.		5
95	Experimental design for acquiring relevant data to address the issue of comparing consecutively manufactured tools and firearms. Science and Justice - Journal of the Forensic Science Society, 2008, 48, 178-181.	2.1	5
96	Response to Faigman et al.. Science and Justice - Journal of the Forensic Science Society, 2011, 51, 215.	2.1	5
97	The efficiency of DNA extraction kit and the efficiency of recovery techniques to release DNA using flow cytometry. Science and Justice - Journal of the Forensic Science Society, 2019, 59, 405-410.	2.1	5
98	Forensic Laboratories: Is it All about Survival?. Policing (Oxford), 2019, 13, 47-54.	1.4	5
99	The importance of considering common sources of unknown DNA when evaluating findings given activity level propositions. Forensic Science International: Genetics, 2021, 53, 102518.	3.1	5
100	A statistical study of air bubbles on athletic shoesoles. Forensic Science International, 2000, 109, 105-123.	2.2	4
101	Friction Ridge Skin Impression Evidence â€“ Standards of Proof. , 2013, , 111-116.		4
102	Predicting suitability of finger marks using machine learning techniques and examiner annotations. Forensic Science International, 2021, 320, 110712.	2.2	4
103	Supporting interdisciplinary case studies: development and implementation of a joint learning environment for students in forensic science and criminal law. Australian Journal of Forensic Sciences, 2014, 46, 317-329.	1.2	3
104	Altered fingerprint detection â€“ algorithm performance evaluation. , 2016, , .		3
105	Biometric Technologies for Forensic Science and Policing: State of the Art. Advances in Computer Vision and Pattern Recognition, 2017, , 1-15.	1.3	3
106	Reply to Morrison et al. (2016) Refining the relevant population in forensic voice comparison â€“ A response to Hicks et alii (2015) The importance of distinguishing information from evidence/observations when formulating propositions. Science and Justice - Journal of the Forensic Science Society, 2017, 57, 401-402.	2.1	3
107	Problematic reporting in DNA cases: the need for accredited formats and certified reporting competence. Forensic Science International: Genetics Supplement Series, 2019, 7, 205-207.	0.3	3
108	Reply to Hamer: The R v T controversy: forensic evidence, law and logic. Law, Probability and Risk, 2012, 11, 361-362.	2.4	2

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109	Forensic medicine, PCR, and Bayesian approach.. Journal of Medical Genetics, 1994, 31, 896-896.	3.2	1
110	Nicephor[e]: A web-based solution for teaching forensic and scientific photography. Forensic Science International, 2007, 167, 196-200.	2.2	1
111	Letter to the Editor. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 180.	2.1	1
112	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.	2.1	1
113	Fingermarks, Bitemarks and Other Impressions (Barefoot, Ears, Lips). , 2010, , 695-778.		1
114	Re: Response to Jamieson regarding â€œMore on the Bayesian Approach and the LRâ€• Science and Justice - Journal of the Forensic Science Society, 2012, 52, 203.	2.1	0
115	An AFIS Candidate List Centric Fingerprint Likelihood Ratio Model based on Morphometric and Spatial Analyses (MSA). , 0, , .		0