

# Christophe Champod

## List of Publications by Year in descending order

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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	Proactive forensic science in biometrics: Novel materials for fingerprint spoofing. <i>Journal of Forensic Sciences</i> , 2022, 67, 534-542.	1.6	8
2	Use of Bayesian Networks for the investigation of the nature of biological material in casework. <i>Forensic Science International</i> , 2022, 331, 111174.	2.2	6
3	Probabilistic reporting and algorithms in forensic science: Stakeholder perspectives within the American criminal justice system. <i>Forensic Science International (Online)</i> , 2022, 4, 100220.	1.3	7
4	Testing the accuracy and reliability of palmar friction ridge comparisons – A black box study. <i>Forensic Science International</i> , 2021, 318, 110457.	2.2	20
5	Mind-set – How bias leads to errors in friction ridge comparisons. <i>Forensic Science International</i> , 2021, 318, 110545.	2.2	7
6	Predicting suitability of finger marks using machine learning techniques and examiner annotations. <i>Forensic Science International</i> , 2021, 320, 110712.	2.2	4
7	A method for measuring the quality of friction skin impression evidence: Method development and validation. <i>Forensic Science International</i> , 2021, 320, 110703.	2.2	10
8	The importance of considering common sources of unknown DNA when evaluating findings given activity level propositions. <i>Forensic Science International: Genetics</i> , 2021, 53, 102518.	3.1	5
9	Implementation of algorithms in pattern & impression evidence: A responsible and practical roadmap. <i>Forensic Science International (Online)</i> , 2021, 3, 100142.	1.3	10
10	Using the likelihood ratio in bloodstain pattern analysis. <i>Journal of Forensic Sciences</i> , 2021, , .	1.6	7
11	Estimating the quantity of transferred DNA in primary and secondary transfers. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2020, 60, 128-135.	2.1	19
12	Automated face recognition in forensic science: Review and perspectives. <i>Forensic Science International</i> , 2020, 307, 110124.	2.2	36
13	Examining and expanding the friction ridge value decision. <i>Forensic Science International</i> , 2020, 314, 110408.	2.2	8
14	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. <i>Forensic Science International: Genetics</i> , 2020, 48, 102334.	3.1	9
15	Interpol review of fingermarks and other body impressions 2016–2019. <i>Forensic Science International (Online)</i> , 2020, 2, 442-480.	1.3	18
16	Comparison and interpretation of impressed marks left by a firearm on cartridge cases – Towards an operational implementation of a likelihood ratio based technique. <i>Forensic Science International</i> , 2020, 313, 110363.	2.2	11
17	Occurrence and associative value of non-identifiable fingermarks. <i>Forensic Science International</i> , 2020, 309, 110219.	2.2	9
18	Using Bayesian networks to track DNA movement through complex transfer scenarios. <i>Forensic Science International: Genetics</i> , 2019, 42, 69-80.	3.1	13

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19	The efficiency of DNA extraction kit and the efficiency of recovery techniques to release DNA using flow cytometry. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2019, 59, 405-410.	2.1	5
20	Resolving differing expert opinions. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2019, 59, 1-8.	2.1	16
21	Forensic Laboratories: Is it All about Survival?. <i>Policing (Oxford)</i> , 2019, 13, 47-54.	1.4	5
22	Problematic reporting in DNA cases: the need for accredited formats and certified reporting competence. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 205-207.	0.3	3
23	A template for constructing Bayesian networks in forensic biology cases when considering activity level propositions. <i>Forensic Science International: Genetics</i> , 2018, 33, 136-146.	3.1	41
24	Assessment of signature handwriting evidence via score-based likelihood ratio based on comparative measurement of relevant dynamic features. <i>Forensic Science International</i> , 2018, 282, 101-110.	2.2	13
25	A response to "Likelihood ratio as weight of evidence: A closer look" by Lund and Iyer. <i>Forensic Science International</i> , 2018, 288, e15-e19.	2.2	12
26	Helping to distinguish primary from secondary transfer events for trace DNA. <i>Forensic Science International: Genetics</i> , 2017, 28, 155-177.	3.1	55
27	Objective Evaluation of Subclass Characteristics on Breach Face Marks. <i>Journal of Forensic Sciences</i> , 2017, 62, 417-422.	1.6	8
28	Biometric Technologies for Forensic Science and Policing: State of the Art. <i>Advances in Computer Vision and Pattern Recognition</i> , 2017, , 1-15.	1.3	3
29	Reply to Morrison et al. (2016) Refining the relevant population in forensic voice comparison " A response to Hicks et alii (2015) The importance of distinguishing information from evidence/observations when formulating propositions. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2017, 57, 401-402.	2.1	3
30	Development of European standards for evaluative reporting in forensic science. <i>International Journal of Evidence and Proof</i> , 2017, 21, 14-29.	0.4	22
31	Finding the way forward for forensic science in the US "A commentary on the PCAST report. <i>Forensic Science International</i> , 2017, 278, 16-23.	2.2	26
32	Evaluation of Forensic DNA Traces When Propositions of Interest Relate to Activities: Analysis and Discussion of Recurrent Concerns. <i>Frontiers in Genetics</i> , 2016, 7, 215.	2.3	35
33	Discussion on how to implement a verbal scale in a forensic laboratory: Benefits, pitfalls and suggestions to avoid misunderstandings. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016, 56, 364-370.	2.1	50
34	Altered fingerprint detection " algorithm performance evaluation. , 2016, , .		3
35	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. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016, 56, 402-410.	2.1	38
36	A dedicated framework for weak biometrics in forensic science for investigation and intelligence purposes: The case of facial information. <i>Security Journal</i> , 2016, 29, 603-617.	1.7	8

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37	Evaluating forensic biology results given source level propositions. Forensic Science International: Genetics, 2016, 21, 54-67.	3.1	32
38	Functionalised silicon oxide nanoparticles for fingermark detection. Forensic Science International, 2016, 259, 10-18.	2.2	43
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	The need for reporting standards in forensic science. Law, Probability and Risk, 2015, 14, 169-173.	2.4	7
41	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
42	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
43	Study on Accuracy of Judgments by Chinese Fingerprint Examiners. Journal of Forensic Science and Medicine, 2015, 1, 33.	0.2	6
44	Integration of Pore Features into the Evaluation of Fingerprint Evidence*. Journal of Forensic Sciences, 2014, 59, 82-93.	1.6	13
45	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
46	Letter to the Editor. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 180.	2.1	1
47	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
48	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
49	Evidence evaluation in fingerprint comparison and automated fingerprint identification systems – Modeling between finger variability. Forensic Science International, 2014, 235, 86-101.	2.2	18
50	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
51	Nanoparticles for fingermark detection: an insight into the reaction mechanism. Nanotechnology, 2014, 25, 425502.	2.6	52
52	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
53	Forgeries of Fingerprints in Forensic Science. Advances in Computer Vision and Pattern Recognition, 2014, , 13-34.	1.3	12
54	Overview and Meaning of Identification/Individualization. , 2013, , 303-309.		7

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55	Friction Ridge Skin Impression Evidence – Standards of Proof. , 2013, , 111-116.		4
56	Modern statistical models for forensic fingerprint examinations: A critical review. Forensic Science International, 2013, 232, 131-150.	2.2	38
57	Merkel cells and the individuality of friction ridge skin. Journal of Theoretical Biology, 2013, 317, 229-237.	1.7	22
58	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
59	E-learning initiatives in forensic interpretation: Report on experiences from current projects and outlook. Forensic Science International, 2013, 230, 2-7.	2.2	17
60	Spatial analysis of corresponding fingerprint features from match and close non-match populations. Forensic Science International, 2013, 230, 87-98.	2.2	13
61	DNA transfer: informed judgment or mere guesswork?. Frontiers in Genetics, 2013, 4, 300.	2.3	35
62	Reply to Hamer: The R v T controversy: forensic evidence, law and logic. Law, Probability and Risk, 2012, 11, 361-362.	2.4	2
63	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
64	The development of an automatic recognition system for earmark and earprint comparisons. Forensic Science International, 2012, 222, 170-178.	2.2	13
65	Informing the judgments of fingerprint analysts using quality metric and statistical assessment tools. Forensic Science International, 2012, 219, 183-198.	2.2	40
66	Re: Response to Jamieson regarding –More on the Bayesian Approach and the LR– Science and Justice - Journal of the Forensic Science Society, 2012, 52, 203.	2.1	0
67	Initial Results on the Composition of Fingerprints and its Evolution as a Function of Time by GC/MS Analysis. Journal of Forensic Sciences, 2011, 56, 102-108.	1.6	123
68	Response to Faigman et al.. Science and Justice - Journal of the Forensic Science Society, 2011, 51, 215.	2.1	5
69	Use of stains to detect fingermarks. Biotechnic and Histochemistry, 2011, 86, 140-160.	1.3	63
70	Risk evaluation for spoofing against a sensor supplied with liveness detection. Forensic Science International, 2011, 204, 162-168.	2.2	13
71	Vulnerabilities of fingerprint reader to fake fingerprints attacks. Forensic Science International, 2011, 204, 41-49.	2.2	37
72	Cognitive issues in fingerprint analysis: Inter- and intra-expert consistency and the effect of a –target–™ comparison. Forensic Science International, 2011, 208, 10-17.	2.2	105

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73	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
74	Scientific Evidence in Europe – Admissibility, Evaluation and Equality of Arms. International Commentary on Evidence, 2011, 9, .	0.1	24
75	Using the Number of Pores on Fingerprint Images to Detect Spoofing Attacks. , 2011, , .		33
76	Fingermarks, Bitemarks and Other Impressions (Barefoot, Ears, Lips). , 2010, , 695-778.		1
77	Testing for Potential Contextual Bias Effects During the Verification Stage of the ACEâ€” Methodology when Conducting Fingerprint Comparisons*. Journal of Forensic Sciences, 2009, 54, 571-582.	1.6	86
78	Identification of promising antigenic components in latent fingerprint residues. Forensic Science International, 2009, 184, 47-53.	2.2	59
79	Use of quantum dots in aqueous solution to detect blood fingerprints on non-porous surfaces. Forensic Science International, 2009, 191, 36-41.	2.2	77
80	Human Fingerprint Imaging by Scanning ElectroChemical Microscopy (SECM). Chimia, 2009, 63, 580.	0.6	10
81	Codeine accumulation and elimination in larvae, pupae, and imago of the blowfly <i>Lucilia sericata</i> and effects on its development. International Journal of Legal Medicine, 2008, 122, 205-211.	2.2	47
82	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
83	Fingerprint 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
84	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
85	Linkages between Biometrics and Forensic Science. , 2008, , 425-459.		25
86	SECM imaging of MMD-enhanced latent fingerprints. Chemical Communications, 2007, , 3948.	4.1	50
87	Fingerprint examination: towards more transparency. Law, Probability and Risk, 2007, 7, 111-118.	2.4	15
88	The potential (negative) influence of observational biases at the analysis stage of fingerprint individualisation. Forensic Science International, 2007, 167, 116-120.	2.2	44
89	Evidence evaluation in fingerprint comparison and automated fingerprint identification systemsâ€”Modelling within finger variability. Forensic Science International, 2007, 167, 189-195.	2.2	69
90	Use of gold nanoparticles as molecular intermediates for the detection of fingerprints. Forensic Science International, 2007, 168, 169-176.	2.2	79

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91	Nicephor[e]: A web-based solution for teaching forensic and scientific photography. <i>Forensic Science International</i> , 2007, 167, 196-200.	2.2	1
92	Single-metal deposition (SMD) as a latent fingerprint enhancement technique: An alternative to multimetal deposition (MMD). <i>Forensic Science International</i> , 2007, 168, e5-e9.	2.2	84
93	Value of DNA Tests: A Decision Perspective. <i>Journal of Forensic Sciences</i> , 2007, 52, 31-39.	1.6	16
94	Computation of Likelihood Ratios in Fingerprint Identification for Configurations of Any Number of Minutiae. <i>Journal of Forensic Sciences</i> , 2007, 52, 54-64.	1.6	112
95	Evaluation of preliminary isotopic analysis ( <sup>13</sup> C and <sup>15</sup> N) of explosives A likelihood ratio approach to assess the links between semtex samples. <i>Forensic Science International</i> , 2007, 167, 43-48.	2.2	58
96	Multimodal biometrics for identity documents (). <i>Forensic Science International</i> , 2007, 167, 154-159.	2.2	19
97	The nature of forensic science opinionâ€”a possible framework to guide thinking and practice in investigation and in court proceedings. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2006, 46, 33-44.	2.1	129
98	An extended likelihood ratio framework for interpreting evidence. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2006, 46, 69-78.	2.1	37
99	Computation of Likelihood Ratios in Fingerprint Identification for Configurations of Three Minutiae. <i>Journal of Forensic Sciences</i> , 2006, 51, 1255-1266.	1.6	75
100	Establishing the most appropriate databases for addressing source level propositions. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2004, 44, 153-164.	2.1	49
101	The classification and discrimination of glass fragments using non destructive energy dispersive X-ray fluorescence. <i>Forensic Science International</i> , 2003, 137, 107-118.	2.2	35
102	Interpreting DNA Evidence: A Review. <i>International Statistical Review</i> , 2003, 71, 473-495.	1.9	34
103	Interpreting Small Quantities of DNA: the Hierarchy of Propositions and the Use of Bayesian Networks. <i>Journal of Forensic Sciences</i> , 2002, 47, 520-530.	1.6	92
104	Interpreting small quantities of DNA: the hierarchy of propositions and the use of Bayesian networks. <i>Journal of Forensic Sciences</i> , 2002, 47, 520-30.	1.6	73
105	<title>Systematic approach to height interpretation from images</title>. , 2001, 4232, 521.		5
106	Earmarks as Evidence: A Critical Review. <i>Journal of Forensic Sciences</i> , 2001, 46, 1275-1284.	1.6	52
107	IDENTIFICATION/INDIVIDUALIZATION   Overview and Meaning of ID. , 2000, , 1077-1084.		22
108	La R��v��lution des Traces Papillaires sur les Douilles par les Techniques de <i>Etching</i> et de <i>Blueing</i> et Comparaison avec la D��position Multim��tallique. <i>Journal of the Canadian Society of Forensic Science</i> , 2000, 33, 65-81.	0.9	6

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109	The inference of identity in forensic speaker recognition. <i>Speech Communication</i> , 2000, 31, 193-203.	2.8	132
110	A statistical study of air bubbles on athletic shoesoles. <i>Forensic Science International</i> , 2000, 109, 105-123.	2.2	4
111	Bayesian framework for the evaluation of fibre transfer evidence. <i>Science and Justice - Journal of the Forensic Science Society</i> , 1997, 37, 75-83.	2.1	32
112	Forensic medicine, PCR, and Bayesian approach.. <i>Journal of Medical Genetics</i> , 1994, 31, 896-896.	3.2	1
113	An AFIS Candidate List Centric Fingerprint Likelihood Ratio Model based on Morphometric and Spatial Analyses (MSA). , 0, , .		0
114	Fingerprints and Other Ridge Skin Impressions. , 0, , .		255
115	Fingerprints and Other Ridge Skin Impressions. , 0, , .		22