

Niamh Nic Daeid

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.

99
papers

1,640
citations

24
h-index

35
g-index

116
ext. papers

1,942
ext. citations

3.6
avg. IF

4.98
L-index

#	Paper	IF	Citations
99	Scientometric analysis of the forensic science literature for fibre as an evidence type: Access and data availability. <i>Forensic Science International (Online)</i> , 2022 , 5, 100269	1.9	
98	The metabolism of the synthetic cannabinoids ADB-BUTINACA and ADB-4en-PINACA and their detection in forensic toxicology casework and infused papers seized in prisons. <i>Drug Testing and Analysis</i> , 2021 ,	3.5	3
97	Colorimetric optical nanosensors for trace explosive detection using metal nanoparticles: advances, pitfalls, and future perspective. <i>Emerging Topics in Life Sciences</i> , 2021 , 5, 367-379	3.5	1
96	Impact of metal ions on PCR inhibition and RT-PCR efficiency. <i>International Journal of Legal Medicine</i> , 2021 , 135, 63-72	3.1	7
95	Shape matters: The application of activity-based in vitro bioassays and chiral profiling to the pharmacological evaluation of synthetic cannabinoid receptor agonists in drug-infused papers seized in prisons. <i>Drug Testing and Analysis</i> , 2021 , 13, 628-643	3.5	9
94	Large-scale evaluation of ion mobility spectrometry for the rapid detection of synthetic cannabinoid receptor agonists in infused papers in prisons. <i>Drug Testing and Analysis</i> , 2021 , 13, 644-663	3.5	5
93	Rapid and highly selective colorimetric detection of nitrite based on the catalytic-enhanced reaction of mimetic Au nanoparticle-CeO nanoparticle-graphene oxide hybrid nanozyme. <i>Talanta</i> , 2021 , 224, 121875	6.2	10
92	Novel scientific methods in court. <i>Emerging Topics in Life Sciences</i> , 2021 , 5, 349-357	3.5	0
91	Rapid and selective aptamer-based fluorescence detection of salivary lysozyme using plasmonic metal-enhanced fluorescence of ZnS/Se alloyed quantum dots-gold nanoparticle nanohybrid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 418, 113384	4.7	6
90	A transnational perspective on the evolution of the synthetic cannabinoid receptor agonists market: Comparing prison and general populations. <i>Drug Testing and Analysis</i> , 2021 , 13, 841-852	3.5	3
89	Reviewing Research Trends: A Scientometric Approach Using Gunshot Residue (GSR) Literature as an Example. <i>Publications</i> , 2020 , 8, 7	1.7	4
88	Detection and quantitation of synthetic cannabinoid receptor agonists in infused papers from prisons in a constantly evolving illicit market. <i>Drug Testing and Analysis</i> , 2020 , 12, 538-554	3.5	26
87	Activation of μ opioid receptors by MT-45 (1-cyclohexyl-4-(1,2-diphenylethyl)piperazine) and its fluorinated derivatives. <i>British Journal of Pharmacology</i> , 2020 , 177, 3436-3448	8.6	7
86	Aptamer-based cocaine assay using a nanohybrid composed of ZnS/AgSe quantum dots, graphene oxide and gold nanoparticles as a fluorescent probe. <i>Mikrochimica Acta</i> , 2020 , 187, 104	5.8	14
85	Human Leukocyte Antigen alleles as an aid to STR in complex forensic DNA samples. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2020 , 60, 1-8	2	2
84	Enantiospecific Synthesis, Chiral Separation, and Biological Activity of Four Indazole-3-Carboxamide-Type Synthetic Cannabinoid Receptor Agonists and Their Detection in Seized Drug Samples. <i>Frontiers in Chemistry</i> , 2019 , 7, 321	5	34
83	On the relationships between applied force, photography technique, and the quantification of bruise appearance. <i>Forensic Science International</i> , 2019 , 305, 109998	2.6	4

82	Multi-shaped cationic gold nanoparticle-l-cysteine-ZnSeS quantum dots hybrid nanozyme as an intrinsic peroxidase mimic for the rapid colorimetric detection of cocaine. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 416-427	8.5	14
81	The search for the "next" euphoric non-fentanil novel synthetic opioids on the illicit drugs market: current status and horizon scanning. <i>Forensic Toxicology</i> , 2019 , 37, 1-16	2.6	31
80	Chemical synthesis, characterisation and in vitro and in vivo metabolism of the synthetic opioid MT-45 and its newly identified fluorinated analogue 2F-MT-45 with metabolite confirmation in urine samples from known drug users. <i>Forensic Toxicology</i> , 2018 , 36, 359-374	2.6	22
79	Drugs of Abuse 2018 , 253-253		
78	Jurors' Perceptions of forensic science expert witnesses: Experience, qualifications, testimony style and credibility. <i>Forensic Science International</i> , 2018 , 291, 100-108	2.6	12
77	Judicial primers-A unique collaboration between science and law. <i>Forensic Science International</i> , 2018 , 289, 287-288	2.6	1
76	Commentary on: Nakhaeizadeh S, Morgan RM, Rando C, Dror IE. Cascading bias of initial exposure to information at the crime scene to the subsequent evaluation of skeletal remains. <i>J Forensic Sci</i> 2017;63(2):403-11. <i>Journal of Forensic Sciences</i> , 2018 , 63, 1597	1.8	1
75	Investigating TNT loss between sample collection and analysis. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2017 , 57, 95-100	2	1
74	Explosive detonation causes an increase in soil porosity leading to increased TNT transformation. <i>PLoS ONE</i> , 2017 , 12, e0189177	3.7	4
73	A cost effective hydrogel test kit for pre and post blast trinitrotoluene. <i>Forensic Science International</i> , 2016 , 266, 202-208	2.6	13
72	Poly vinyl alcohol cryogel as a selective test kit for pre and post blast trinitrotoluene. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 654-662	8.5	16
71	Assessing a novel contact heater as a new method of recovering explosives traces from porous surfaces. <i>Talanta</i> , 2016 , 148, 721-8	6.2	3
70	Quantitative Colorimetric Assays for Methamphetamine 2016 , 349-359		
69	The ecstasy and the agony; compression studies of 3,4-methylenedioxymethamphetamine (MDMA). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015 , 71, 3-9	1.8	8
68	Time to think differently: catalysing a paradigm shift in forensic science. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	6
67	A sol-gel colorimetric sensor for methamphetamine detection. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 553-560	8.5	34
66	Drugs of abuse 2015 , 1-39		
65	Science in the court: pitfalls, challenges and solutions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	17

64	On-site semi-quantitative analysis for ammonium nitrate detection using digital image colourimetry. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 437-45	2	19
63	Analysis of chain saw lubricating oils commonly used in Thailand's southern border provinces for forensic science purpose. <i>Forensic Science International</i> , 2014 , 241, 60-8	2.6	1
62	Development of gas chromatography-mass spectrometry (GC-MS) and other rapid screening methods for the analysis of 16 legal high cathinone derivatives. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014 , 54, 22-31	2	33
61	Real time quantitative colourimetric test for methamphetamine detection using digital and mobile phone technology. <i>Forensic Science International</i> , 2014 , 235, 8-13	2.6	43
60	The role of isotope ratio mass spectrometry as a tool for the comparison of physical evidence. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014 , 54, 327-34	2	10
59	Fires and related incidents in Dubai, United Arab Emirates (2006-2013). <i>Case Studies in Fire Safety</i> , 2014 , 2, 28-36		7
58	Analysis of Controlled Substances 2013 , 24-28		
57	Chemistry of Fire 2013 , 161-166		
56	Analysis of Fire Debris 2013 , 177-182		1
55	Interpretation of Fire Debris Analysis 2013 , 183-194		2
54	Elemental profiling using ICPMS of methylamphetamine hydrochloride prepared from proprietary medication using the Moscow and hypophosphorous synthesis. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2013 , 53, 278-85	2	10
53	Chemical enhancement of footwear impressions in blood on fabric - part 3: amino acid staining. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2013 , 53, 8-13	2	6
52	Influence of precursor solvent extraction on stable isotope signatures of methylamphetamine prepared from over-the-counter medicines using the Moscow and Hypophosphorous routes. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2931-41	4.4	7
51	Using the iPhone as a device for a rapid quantitative analysis of trinitrotoluene in soil. <i>Talanta</i> , 2013 , 115, 143-9	6.2	82
50	A comparison of enhancement techniques for footwear impressions on dark and patterned fabrics. <i>Journal of Forensic Sciences</i> , 2013 , 58, 1472-85	1.8	3
49	Synthesis, full chemical characterisation and development of validated methods for the quantification of the components found in the evolved "legal high" NRG-2. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 61, 122-35	3.5	22
48	Clarification of route specific impurities found in methylamphetamine synthesised using the Birch method. <i>Forensic Science International</i> , 2012 , 223, 321-9	2.6	13
47	A comprehensive chromatographic comparison of amphetamine and methylamphetamine extracted from river water using molecular imprinted polymers and without the need for sample derivatization. <i>Journal of Separation Science</i> , 2012 , 35, 3332-9	3.4	5

46	Investigation of the force associated with the formation of lacerations and skull fractures. <i>International Journal of Legal Medicine</i> , 2012 , 126, 835-44	3.1	29
45	Rapid quantitative colourimetric tests for trinitrotoluene (TNT) in soil. <i>Forensic Science International</i> , 2012 , 222, 340-5	2.6	37
44	Chemical enhancement of soil based footwear impressions on fabric. <i>Forensic Science International</i> , 2012 , 219, 12-28	2.6	10
43	Controlling the variable of pressure in the production of test footwear impressions. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2012 , 52, 168-76	2	8
42	Using isotopic fractionation to link precursor to product in the synthesis of (±)-mephedrone: a new tool for combating "legal high" drugs. <i>Analytical Chemistry</i> , 2012 , 84, 8691-6	7.8	12
41	Multivariate statistical methods for the environmental forensic classification of coal tars from former manufactured gas plants. <i>Environmental Science & Technology</i> , 2012 , 46, 3744-52	10.3	36
40	Investigation of the reaction impurities associated with methylamphetamine synthesized using the Nagai method. <i>Analytical Chemistry</i> , 2012 , 84, 5744-52	7.8	20
39	Chemical enhancement of footwear impressions in urine on fabric. <i>Forensic Science International</i> , 2012 , 214, 67-81	2.6	7
38	A comparison of multi-metal deposition processes utilising gold nanoparticles and an evaluation of their application to low yield surfaces for finger mark development. <i>Forensic Science International</i> , 2012 , 217, 5-18	2.6	28
37	Classification and source determination of medium petroleum distillates by chemometric and artificial neural networks: a self organizing feature approach. <i>Analytical Chemistry</i> , 2011 , 83, 7745-54	7.8	19
36	Development and validation of an analytical method for hydrocarbon residues using gas chromatography-mass spectrometry. <i>Analytical Methods</i> , 2011 , 3, 1136	3.2	8
35	Rapid and semi-quantitative presumptive tests for opiate drugs. <i>Talanta</i> , 2011 , 86, 284-92	6.2	47
34	Chemical enhancement of footwear impressions in blood on fabric - part 1: protein stains. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2011 , 51, 99-109	2	15
33	Chemical enhancement of footwear impressions in blood on fabric - part 2: peroxidase reagents. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2011 , 51, 110-21	2	19
32	Digital image-based colourimetric [corrected] tests for amphetamine and methylamphetamine. <i>Drug Testing and Analysis</i> , 2011 , 3, 277-82	3.5	42
31	Investigating the provenance of un-dyed spun cotton fibre using multi-isotope profiles and chemometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1812-6	2.2	14
30	Organic impurities, stable isotopes, or both: A comparison of instrumental and pattern recognition techniques for the profiling of 3,4-methylenedioxymethamphetamine. <i>Analytical Methods</i> , 2011 , 3, 2279 ³⁻²	3.2	17
29	Evaluating the performance of three GC columns commonly used for the analysis of ignitable liquid mixtures encountered in fire debris. <i>Analytical Methods</i> , 2011 , 3, 1525	3.2	6

28	Ultra resolution chemical fingerprinting of dense non-aqueous phase liquids from manufactured gas plants by reversed phase comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 4755-63	4.5	25
27	Synthesis, full chemical characterisation and development of validated methods for the quantification of (±)-4Rmethylmethcathinone (mephedrone): a new "legal high". <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 56, 246-55	3.5	43
26	Recent Advances in the Application of Stable Isotope Ratio Analysis in Forensic Chemistry. <i>Australian Journal of Chemistry</i> , 2010 , 63, 3	1.2	25
25	Role of five synthetic reaction conditions on the stable isotopic composition of 3,4-methylenedioxymethamphetamine. <i>Analytical Chemistry</i> , 2010 , 82, 5484-9	7.8	19
24	Application of unsupervised chemometric analysis and self-organizing feature map (SOFM) for the classification of lighter fuels. <i>Analytical Chemistry</i> , 2010 , 82, 6395-400	7.8	33
23	Chemical enhancement of footwear impressions in blood deposited on fabric--evaluating the use of alginate casting materials followed by chemical enhancement. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2010 , 50, 200-4	2	16
22	The level of random background glass recovered from fleece jackets of individuals who worked in Law enforcement or related professions. <i>Forensic Science International</i> , 2009 , 191, 19-23	2.6	9
21	Commentary on: Comparison of presumptive blood test kits including Hexagon OBTI. <i>Journal of Forensic Sciences</i> , 2009 , 54, 239; author reply 240	1.8	2
20	Stable isotope profiling of burnt wooden safety matches. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2009 , 49, 107-13	2	16
19	Characterization of route specific impurities found in methamphetamine synthesized by the Leuckart and reductive amination methods. <i>Analytical Chemistry</i> , 2009 , 81, 7342-8	7.8	54
18	Emerging use of isotope ratio mass spectrometry as a tool for discrimination of 3,4-methylenedioxymethamphetamine by synthetic route. <i>Analytical Chemistry</i> , 2008 , 80, 3350-6	7.8	45
17	An investigation into the correlation of knife damage in clothing and the lengths of skin wounds. <i>Forensic Science International</i> , 2008 , 179, 107-10	2.6	21
16	Feasibility of source identification of seized street drug samples by exploiting differences in isotopic composition at natural abundance level by GC/MS as compared to isotope ratio mass spectrometry (IRMS). <i>Forensic Science International</i> , 2008 , 174, 259-61	2.6	14
15	Stable isotope ratio mass spectrometry and physical comparison for the forensic examination of grip-seal plastic bags. <i>Forensic Science International</i> , 2008 , 177, 214-20	2.6	27
14	Supported liquid-liquid extraction of the active ingredient (3,4-methylenedioxymethylamphetamine) from ecstasy tablets for isotopic analysis. <i>Journal of Chromatography A</i> , 2008 , 1178, 1-8	4.5	23
13	Evaluation of six presumptive tests for blood, their specificity, sensitivity, and effect on high molecular-weight DNA. <i>Journal of Forensic Sciences</i> , 2007 , 52, 102-9	1.8	139
12	The analytical and chemometric procedures used to profile illicit drug seizures. <i>Talanta</i> , 2005 , 67, 280-5	6.2	38
11	Classification of ecstasy tablets using trace metal analysis with the application of chemometric procedures and artificial neural network algorithms. <i>Analyst, The</i> , 2004 , 129, 235-40	5	37

10	The rates and relative risks of workplace bullying in Ireland, a country of high economic growth. <i>International Journal of Management and Decision Making</i> , 2003 , 4, 82	0.4	42
9	Measurement of temperature rise over time for commercially available night lights (tea lights). <i>Fire Safety Journal</i> , 2002 , 37, 329-336	3.3	3
8	The development of interactive World Wide Web based teaching material in Forensic Science. <i>British Journal of Educational Technology</i> , 2001 , 32, 105-108	4.3	2
7	Statistical analysis of sexual offenders--a preliminary study. <i>Forensic Science International</i> , 1998 , 91, 153-161	6.6	1
6	Statistical differences between offender groups.. <i>Forensic Science International</i> , 1998 , 98, 151-156	2.6	1
5	Suicide in Ireland -1982 to 1992. <i>Archives of Suicide Research</i> , 1997 , 3, 31-42	2.3	2
4	Differences in offender profiling in the United States of America and the United Kingdom. <i>Forensic Science International</i> , 1997 , 90, 25-31	2.6	4
3	Complex formation between transition metal ions and salicylglycine, a metabolite of aspirin. <i>Polyhedron</i> , 1994 , 13, 1495-1499	2.7	20
2	Copper(II) complexes of hydrolysis products of the anticancer bis(3,5-dioxopiperazin-1-yl)alkanes. Displacement of co-ordinated carboxylate ligands by deprotonated amide groups in basic solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 2301		10
1	Research trends in forensic science: A scientometric approach to analyze the content of the INTERPOL reviews. <i>Wiley Interdisciplinary Reviews Forensic Science</i> , e1447	2.6	3