Matteo D Gallidabino

List of Publications by Year
in descending order

21	475	623188 14	713013 21
papers	citations	h-index	g-index

21	21	21	494
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DNA methylation-based age prediction using massively parallel sequencing data and multiple machine learning models. Forensic Science International: Genetics, 2018, 37, 215-226.	1.6	81
2	Prediction of bioconcentration factors in fish and invertebrates using machine learning. Science of the Total Environment, 2019, 648, 80-89.	3.9	60
3	Differentiation of blue ballpoint pen inks by positive and negative mode LDI-MS. Forensic Science International, 2011, 204, 169-178.	1.3	50
4	Machine Learning for Environmental Toxicology: A Call for Integration and Innovation. Environmental Science & Technology, 2018, 52, 12953-12955.	4.6	34
5	Characterization of volatile organic gunshot residues in fired handgun cartridges by headspace sorptive extraction. Analytical and Bioanalytical Chemistry, 2015, 407, 7123-7134.	1.9	28
6	Development of a Novel Headspace Sorptive Extraction Method To Study the Aging of Volatile Compounds in Spent Handgun Cartridges. Analytical Chemistry, 2014, 86, 4471-4478.	3.2	24
7	Suspect screening of halogenated carboxylic acids in drinking water using ion exchange chromatography â€“ high resolution (Orbitrap) mass spectrometry (IC-HRMS). Talanta, 2018, 178, 57-68.	2.9	24
8	Estimating the time since discharge of spent cartridges: A logical approach for interpreting the evidence. Science and Justice - Journal of the Forensic Science Society, 2013, 53, 41-48.	1.3	23
9	Quantitative profileâ€“profile relationship (QPPR) modelling: a novel machine learning approach to predict and associate chemical characteristics of unspent ammunition from gunshot residue (GSR). Analyst, The, 2019, 144, 1128-1139.	1.7	19
10	A study on contactless airborne transfer of textile fibres between different garments in small compact semi-enclosed spaces. Forensic Science International, 2020, 315, 110432.	1.3	19
11	Time since discharge of 9 mm cartridges by headspace analysis, part 2: Ageing study and estimation of the time since discharge using multivariate regression. Forensic Science International, 2017, 272, 171-183.	1.3	17
12	Age estimation by assessment of pulp chamber volume: a Bayesian network for the evaluation of dental evidence. International Journal of Legal Medicine, 2018, 132, 1125-1138.	1.2	17
13	Time since discharge of 9 mm cartridges by headspace analysis, part 1: Comprehensive optimisation and validation of a headspace sorptive extraction (HSSE) method. Forensic Science International, 2017, 272, 159-170.	1.3	15
14	Probabilistic graphical models to deal with age estimation of living persons. International Journal of Legal Medicine, 2016, 130, 475-488.	1.2	14
15	Targeted and non-targeted forensic profiling of black powder substitutes and gunshot residue using gradient ion chromatography â€“ high resolution mass spectrometry (IC-HRMS). Analytica Chimica Acta, 2019, 1072, 1-14.	2.6	12
16	Ion beam analysis (IBA) and instrumental neutron activation analysis (INAA) for forensic characterisation of authentic ViagraÂ® and of sildenafil-based illegal products. Talanta, 2021, 224, 121829.	2.9	12
17	Comparative Assessment of a Novel Photoâ€Anthropometric Landmarkâ€Positioning Approach for the Analysis of Facial Structures on Twoâ€Dimensional Images. Journal of Forensic Sciences, 2019, 64, 828-838.	0.9	9
18	Time since last discharge of firearms and spent ammunition elements: state of the art and perspectives. Forensic Science International, 2020, 311, 110290.	1.3	9

#	Article	IF	Citations
19	Commentary on:Gauriot R, Gunaratnam L, Moroni R, Reinikainen T, Corander R. Statistical Challenges in the Quantification of Gunshot Residue Evidence. J Forensic Sci 2013;58(5);1149-55. Journal of Forensic Sciences, 2015, 60, 539-541.	0.9	4
20	Chang <scp>KH</scp>, Yew <scp>CH</scp>, Abdullah <scp>AFL</scp>. Study on the behaviors of gunshot residues from spent cartridges by headspace solidâ€phase microextractionâ€“gas chromatographic techniques. J Forensic Sci 2015;60(4):869â€“77.. Journal of Forensic Sciences, 2016, 61, 1409-1410.	0.9	2
21	Comparison of four commercial solid-phase micro-extraction (SPME) fibres for the headspace characterisation and profiling of gunshot exhausts in spent cartridge casings. Analytical and Bioanalytical Chemistry, 2022, 414, 4987-4998.	1.9	2