Matteo D Gallidabino

List of Publications by Year in Descending Order

20 papers	294 citations	11 h-index	16 g-index
21 ext. papers	384 ext. citations	4.3 avg, IF	3.66 L-index

#	Paper	IF	Citations
20	Ion beam analysis (IBA) and instrumental neutron activation analysis (INAA) for forensic characterisation of authentic Viagra and of sildenafil-based illegal products. *Talanta*, **2021**, 224, 121829	6.2	6
19	Time since last discharge of firearms and spent ammunition elements: state of the art and perspectives. *Forensic Science International*, **2020**, 311, 110290	2.6	2
18	A study on contactless airborne transfer of textile fibres between different garments in small compact semi-enclosed spaces. *Forensic Science International*, **2020**, 315, 110432	2.6	9
17	Quantitative profile-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	5	9
16	Targeted and non-targeted forensic profiling of black powder substitutes and gunshot residue using gradient ion chromatography - high resolution mass spectrometry (IC-HRMS). *Analytica Chimica Acta*, **2019**, 1072, 1-14	6.6	5
15	Prediction of bioconcentration factors in fish and invertebrates using machine learning. *Science of the Total Environment*, **2019**, 648, 80-89	10.2	30
14	Comparative Assessment of a Novel Photo-Anthropometric Landmark-Positioning Approach for the Analysis of Facial Structures on Two-Dimensional Images. *Journal of Forensic Sciences*, **2019**, 64, 828-838	1.8	6
13	Suspect screening of halogenated carboxylic acids in drinking water using ion exchange chromatography - high resolution (Orbitrap) mass spectrometry (IC-HRMS). *Talanta*, **2018**, 178, 57-68	6.2	15
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	3.1	7
11	Machine Learning for Environmental Toxicology: A Call for Integration and Innovation. *Environmental Science & Technology*, **2018**, 52, 12953-12955	10.3	14
10	DNA methylation-based age prediction using massively parallel sequencing data and multiple machine learning models. *Forensic Science International: Genetics*, **2018**, 37, 215-226	4.3	47
9	Time since discharge of 9mm 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	2.6	11
8	Time since discharge of 9mm cartridges by headspace analysis, part 1: Comprehensive optimisation and validation of a headspace sorptive extraction (HSSE) method. *Forensic Science International*, **2017**, 272, 159-170	2.6	11
7	Probabilistic graphical models to deal with age estimation of living persons. *International Journal of Legal Medicine*, **2016**, 130, 475-88	3.1	14
6	Chang KH, Yew CH, Abdullah AFL. Study on the behaviors of gunshot residues from spent cartridges by headspace solid-phase microextraction-gas chromatographic techniques. J Forensic Sci 2015;60(4):869-77. *Journal of Forensic Sciences*, **2016**, 61, 1409-10	1.8	2
5	Characterization of volatile organic gunshot residues in fired handgun cartridges by headspace sorptive extraction. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 7123-34	4.4	20
4	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, 539-41	1.8	3

3	Development of a novel headspace sorptive extraction method to study the aging of volatile compounds in spent handgun cartridges. *Analytical Chemistry*, **2014**, 86, 4471-8	7.8	20
2	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, 41-8	2	20
1	Differentiation of blue ballpoint pen inks by positive and negative mode LDI-MS. *Forensic Science International*, **2011**, 204, 169-78	2.6	43