

Francesco Saverio Romolo

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,882
citations

279701

23
h-index

254106

43
g-index

53
all docs

53
docs citations

53
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Analysis Techniques in Forensic Science: Successes, Challenges, and Opportunities for Operational Deployment. <i>Annual Review of Analytical Chemistry</i> , 2022, 15, 173-196.	2.8	5
2	A forensic procedure based on GC-MS, HPLC-HRMS and IBA to analyse products containing sildenafil or the doping agent oxandrolone. <i>Forensic Science International</i> , 2022, 335, 111282.	1.3	2
3	Ion beam analysis (IBA) and instrumental neutron activation analysis (INAA) for forensic characterisation of authentic Viagra® and of sildenafil-based illegal products. <i>Talanta</i> , 2021, 224, 121829.	2.9	12
4	Molybdenum in Gunshot Residue: Experimental Evidences and Detection Challenges in the Presence of Lead and Sulfur. <i>Microscopy and Microanalysis</i> , 2021, 27, 666-677.	0.2	7
5	Forensic Analysis of Commercial Inks by Laser-Induced Breakdown Spectroscopy (LIBS). <i>Sensors</i> , 2020, 20, 3744.	2.1	19
6	Characterisation of gunshot residues from non-toxic ammunition and their persistence on the shooter's hands. <i>International Journal of Legal Medicine</i> , 2020, 134, 1083-1094.	1.2	17
7	HPLC-MS/MS combined with membrane-protected molecularly imprinted polymer micro-solid-phase extraction for synthetic cathinones monitoring in urine. <i>Drug Testing and Analysis</i> , 2019, 11, 33-44.	1.6	33
8	Instrumental neutron activation analysis (INAA) and liquid chromatography (LC) coupled to high resolution mass spectrometry (HRMS) characterisation of sildenafil based products seized on the Italian illegal market. <i>Forensic Science International (Online)</i> , 2019, 1, 126-136.	0.6	5
9	Quantitative profile-profile relationship (QPPR) modelling: a novel machine learning approach to predict and associate chemical characteristics of unspent ammunition from gunshot residue (GSR). <i>Analyst, The</i> , 2019, 144, 1128-1139.	1.7	19
10	Detecting Gunshot Residue from Sellier & Bellot Nontox Heavy Metal-free Primer by <i>in situ</i> Cathodoluminescence. <i>Journal of Forensic Sciences</i> , 2019, 64, 1658-1667.	0.9	17
11	Unusual sources of Sn in GSR. An experimental study by SEM and IBA. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2019, 59, 181-189.	1.3	13
12	Advances in the Analysis of Explosives. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019, , 207-240.	0.4	1
13	Advances in Analysis of Gunshot Residue. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019, , 183-202.	0.4	2
14	Development of a micro-solid-phase extraction molecularly imprinted polymer technique for synthetic cannabinoids assessment in urine followed by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1550, 8-20.	1.8	45
15	Large sample neutron activation analysis avoids representative sub-sampling and sample preparation difficulties: An added value for forensic analysis. <i>Forensic Chemistry</i> , 2018, 7, 81-87.	1.7	5
16	Towards innovation in paper dating: a MicroNIR analytical platform and chemometrics. <i>Analyst, The</i> , 2018, 143, 4394-4399.	1.7	17
17	An experimental study about the presence of selenium in inorganic gunshot residues (GSR). <i>Forensic Chemistry</i> , 2017, 4, 51-60.	1.7	13
18	New insights in forensic chemistry: NIR/Chemometrics analysis of toners for questioned documents examination. <i>Talanta</i> , 2017, 174, 673-678.	2.9	56

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19	Volatile lipophilic substances management in case of fatal sniffing. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017, 52, 35-39.	0.5	8
20	Expert System for Bomb Factory Detection by Networks of Advance Sensors. <i>Challenges</i> , 2017, 8, 1.	0.9	10
21	Electrochemical Sensor for Explosives Precursors™ Detection in Water. <i>Challenges</i> , 2017, 8, 10.	0.9	15
22	Mephedrone and Mephedrone-Based Cocktails. , 2016, , 40-49.		1
23	Locating bomb factories by detecting hydrogen peroxide. <i>Talanta</i> , 2016, 160, 15-20.	2.9	7
24	A snapshot on NPS in Italy: Distribution of drugs in seized materials analysed in an Italian forensic laboratory in the period 2013–2015. <i>Forensic Science International</i> , 2016, 265, 116-120.	1.3	82
25	Characterization of the designer drug <i>2-(2-amino-1-(bromo-(dimethoxyphenyl)ethan-1-yl)ethan-1-one)</i> by gas chromatography/mass spectrometry without and with derivatization with 2,2,2-trichloroethyl chloroformate, liquid chromatography/high-resolution mass spectrometry, and nuclear magnetic resonance. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1196-1204.	0.7	10
26	Recreational Use, Analysis and Toxicity of Tryptamines. <i>Current Neuropharmacology</i> , 2015, 13, 26-46.	1.4	163
27	High-throughput screening for new psychoactive substances (NPS) in whole blood by DLLME extraction and UHPLC–MS/MS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 57-68.	1.2	86
28	Characterization of volatile organic gunshot residues in fired handgun cartridges by headspace sorptive extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7123-7134.	1.9	28
29	Field detection capability of immunochemical assays during criminal investigations involving the use of TNT. <i>Forensic Science International</i> , 2015, 246, 25-30.	1.3	27
30	Application of micro-Raman spectroscopy for fight against terrorism and smuggling. <i>Optical Engineering</i> , 2014, 53, 044113.	0.5	8
31	Accidental death involving professional fireworks. <i>Forensic Science International</i> , 2014, 234, e5-e9.	1.3	7
32	An analytical approach to the forensic identification of different classes of new psychoactive substances (NPSs) in seized materials. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1904-1916.	0.7	74
33	Development of a Novel Headspace Sorptive Extraction Method To Study the Aging of Volatile Compounds in Spent Handgun Cartridges. <i>Analytical Chemistry</i> , 2014, 86, 4471-4478.	3.2	24
34	Screening of methylenedioxyamphetamine- and piperazine-derived designer drugs in urine by LC–MS/MS using neutral loss and precursor ion scan. <i>Journal of Mass Spectrometry</i> , 2013, 48, 49-59.	0.7	29
35	Integrated Ion Beam Analysis (IBA) in Gunshot Residue (GSR) characterisation. <i>Forensic Science International</i> , 2013, 231, 219-228.	1.3	30
36	A new quantitative method for gunshot residue analysis by ion beam analysis. <i>Analyst, The</i> , 2013, 138, 4649.	1.7	27

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37	Surface-sampling and analysis of TATP by swabbing and gas chromatography/mass spectrometry. <i>Forensic Science International</i> , 2013, 224, 96-100.	1.3	22
38	Estimating the time since discharge of spent cartridges: A logical approach for interpreting the evidence. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2013, 53, 41-48.	1.3	23
39	Rapid screening and identification of illicit drugs by IR absorption spectroscopy and gas chromatography. <i>Proceedings of SPIE</i> , 2013, , .	0.8	12
40	Ultra high performance liquid chromatographyâ€“electrospray ionizationâ€“tandem mass spectrometry screening method for direct analysis of designer drugs, â€œspiceâ€œ and stimulants in oral fluid. <i>Journal of Chromatography A</i> , 2012, 1258, 37-42.	1.8	98
41	A quantitative chemiluminescent assay for analysis of peroxide-based explosives. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 313-320.	1.9	32
42	Development of a chemiluminescent ELISA and a colloidal gold-based LFIA for TNT detection. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 687-695.	1.9	37
43	Analysis of organic volatile residues in 9mm spent cartridges. <i>Forensic Science International</i> , 2009, 186, 29-35.	1.3	52
44	Multiclass analysis of illicit drugs in plasma and oral fluids by LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 709-718.	1.9	83
45	LCâ€“MSâ€“MS Determination of Stabilizers and Explosives Residues in Hand-Swabs. <i>Chromatographia</i> , 2008, 68, 517-524.	0.7	67
46	Saliva and Serum Levetiracetam Concentrations in Patients With Epilepsy. <i>Therapeutic Drug Monitoring</i> , 2007, 29, 313-318.	1.0	28
47	Clinical, Cognitive, and Neurophysiologic Correlates of Short-Term Treatment with Carbamazepine, Oxcarbazepine, and Levetiracetam in Healthy Volunteers. <i>Annals of Pharmacotherapy</i> , 2004, 38, 1816-1822.	0.9	81
48	Optimized conditions for simultaneous determination of opiates, cocaine and benzoylecgonine in hair samples by GCâ€“MS. <i>Forensic Science International</i> , 2003, 138, 17-26.	1.3	50
49	Rapid screening method for determination of Ecstasy and amphetamines in urine samples using gas chromatographyâ€“chemical ionisation mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 769, 243-251.	1.2	50
50	Identification of gunshot residue: a critical review. <i>Forensic Science International</i> , 2001, 119, 195-211.	1.3	305
51	Analysis of ticlopidine and related impurities by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 1157-1160.	1.4	6
52	Alkali metal ion-assisted cleavage of crown ether anisoles by toluenethiolate anion. <i>Journal of Physical Organic Chemistry</i> , 1992, 5, 457-460.	0.9	10