

Gunshot residue analysis and its evidential values: a review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Skin Permeation of Organic Gunshot Residue: Implications for Sampling and Analysis. <i>Analytical Chemistry</i> , 2014, 86, 6071-6079.	3.2	30
2	Optimization of Headspace Solid-Phase Microextraction Technique for Extraction of Volatile Smokeless Powder Compounds in Forensic Applications. <i>Journal of Forensic Sciences</i> , 2014, 59, 1100-1108.	0.9	16
4	Scanning electron microscopy and energy-dispersive x-ray spectroscopy (SEM-EDX) confirms shooting of a hen harrier (<i>Circus cyaneus</i>). <i>Veterinary Record Case Reports</i> , 2015, 3, e000241.	0.1	3
5	Study of the Behaviors of Gunshot Residues from Spent Cartridges by Headspace Solid-Phase Microextraction-Gas Chromatographic Techniques. <i>Journal of Forensic Sciences</i> , 2015, 60, 869-877.	0.9	11
6	Detection of Pb, Ba, and Sb in Blowfly Larvae of Porcine Tissue Contaminated with Gunshot Residue by ICP OES. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	0.9	4
7	Application of different standard loading approaches during solid phase microextraction for forensic analysis of single particle smokeless powders. <i>Australian Journal of Forensic Sciences</i> , 2015, 47, 147-160.	0.7	3
8	Recent trends in organic gunshot residue analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 74, 46-57.	5.8	57
9	Evaluation and validation of ion mobility spectrometry for presumptive testing targeting the organic constituents of firearms discharge residue. <i>Analytical Methods</i> , 2015, 7, 9683-9691.	1.3	17
10	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
11	From binary presumptive assays to probabilistic assessments: Differentiation of shooters from non-shooters using IMS, OGSR, neural networks, and likelihood ratios. <i>Forensic Science International</i> , 2016, 263, 176-185.	1.3	20
12	Preliminary classification of characteristic organic gunshot residue compounds. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016, 56, 421-425.	1.3	37
13	Time since discharge of 9 mm cartridges by headspace analysis, part 2: Ageing study and estimation of the time since discharge using multivariate regression. <i>Forensic Science International</i> , 2017, 272, 171-183.	1.3	17
14	Time since discharge of 9 mm cartridges by headspace analysis, part 1: Comprehensive optimisation and validation of a headspace sorptive extraction (HSSE) method. <i>Forensic Science International</i> , 2017, 272, 159-170.	1.3	15
15	A study of transfer and prevalence of organic gunshot residues. <i>Forensic Science International</i> , 2017, 277, 241-251.	1.3	24
16	The influence of different skin types on GSR sampling by tape lifting for SEM analysis. <i>Microscopy Research and Technique</i> , 2017, 80, 1310-1314.	1.2	9
17	Use of luminescent gunshot residues markers in forensic context-Part II. <i>Forensic Science International</i> , 2017, 281, 161-170.	1.3	12
18	Thinking beyond the lab: organic gunshot residues in an investigative perspective. <i>Australian Journal of Forensic Sciences</i> , 2018, , 1-7.	0.7	8
19	A novel protocol for the combined detection of organic, inorganic gunshot residue. <i>Forensic Chemistry</i> , 2018, 8, 1-10.	1.7	16

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20	Fate and Behavior of Gunshot Residue—A Review. <i>Journal of Forensic Sciences</i> , 2018, 63, 9-19.	0.9	62
21	Forensics in hand: new trends in forensic devices (2013–2017). <i>Analytical Methods</i> , 2018, 10, 5135-5163.	1.3	59
22	The analysis of organic and inorganic gunshot residue from a single sample. <i>Forensic Science International</i> , 2019, 299, 168-173.	1.3	18
23	Applications of Direct Injection Soft Chemical Ionisation-Mass Spectrometry for the Detection of Pre-blast Smokeless Powder Organic Additives. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 615-624.	1.2	6
24	Spectrochemical mapping using laser induced breakdown spectroscopy as a more objective approach to shooting distance determination. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 152, 93-101.	1.5	22
25	Forensic Significance of Gunshot Impact Marks on Inanimate Objects: The Need for Translational Research. <i>Journal of Forensic Sciences</i> , 2020, 65, 11-25.	0.9	6
26	The relationship between gunshot-residue particle size and Boltzmann distribution. <i>Forensic Sciences Research</i> , 2022, 7, 47-52.	0.9	4
27	Trends in composition, collection, persistence, and analysis of ICSR and OCSR: A review. <i>Forensic Chemistry</i> , 2020, 19, 100250.	1.7	36
28	Conduction of a round-robin test on a real sample for the identification of gunshot residues by SEM/EDX. <i>Forensic Science International</i> , 2020, 309, 110183.	1.3	5
29	Time since last discharge of firearms and spent ammunition elements: state of the art and perspectives. <i>Forensic Science International</i> , 2020, 311, 110290.	1.3	9
30	Development of tailor-made inorganic gunshot residue (IGSR) microparticle standards and characterization with a multi-technique approach. <i>Talanta</i> , 2021, 225, 121984.	2.9	18
31	Novel LIBS method for micro-spatial chemical analysis of inorganic gunshot residues. <i>Journal of Chemometrics</i> , 2021, 35, .	0.7	21
32	Applications of gas chromatography in forensic science. , 2021, , 745-791.		5
34	Spectroscopic (analytical) approach to gunshot residue analysis for shooting distance estimation: a systematic review. <i>Egyptian Journal of Forensic Sciences</i> , 2021, 11, .	0.4	3
35	First lessons regarding the data analysis of gunshot residue traces at activity level in TTADB. <i>Journal of the Canadian Society of Forensic Science</i> , 2021, 54, 196-209.	0.7	4
36	Development of Profiling Methods for Contraband Firearm Volatile Odor Signatures. <i>Frontiers in Analytical Science</i> , 2022, 1, .	1.1	4
37	Efficacy study of non-lanthanide small luminescent molecules as gunshot residue indicators. <i>Forensic Science International</i> , 2022, 331, 111169.	1.3	1
38	Comparison of four commercial solid-phase micro-extraction (SPME) fibres for the headspace characterisation and profiling of gunshot exhausts in spent cartridge casings. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4987-4998.	1.9	2

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39	The relevance of gunshot residues in forensic science. Wiley Interdisciplinary Reviews Forensic Science, 2023, 5, .	1.2	7
40	Nontoxic ammunition: Challenges and perspectives for <scp>GSR</scp> identification. Wiley Interdisciplinary Reviews Forensic Science, 2023, 5, .	1.2	0
41	Surgical mask as an alternative sampling site for gunshot residue analysis. Forensic Chemistry, 2023, 34, 100501.	1.7	0
42	Investigation of Pseudo-residue Existence Obtained from the Hands of Employees in Various Business Lines. Osmaniye Korkut Ata Åœniversitesi Fen Bilimleri EnstitÅ¼sÅ¼ Dergisi, 2023, 6, 261-274.	0.2	0