Analysis of body fluids for forensic purposes: From labo rapid confirmatory identification at a crime scene

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#	Article	IF	Citations
2	Raman spectroscopic signature of semen and its potential application to forensic body fluid identification. Forensic Science International, 2009, 193, 56-62.	1.3	107
3	Blood Species Identification for Forensic Purposes Using Raman Spectroscopy Combined with Advanced Statistical Analysis. Analytical Chemistry, 2009, 81, 7773-7777.	3.2	127
4	Forensic Science: The Future of Body Fluid Identification. Measurement and Control, 2009, 42, 310-313.	0.9	0
5	Raman spectroscopic signature of blood and its potential application to forensic body fluid identification. Analytical and Bioanalytical Chemistry, 2010, 396, 525-534.	1.9	137
6	mRNA profiling in forensic genetics I: Possibilities and limitations. Forensic Science International, 2010, 203, 71-75.	1.3	77
7	The efficacy and safety of bufadienolides-loaded nanostructured lipid carriers. International Journal of Pharmaceutics, 2010, 393, 204-212.	2.6	49
8	Herbal medicines and forensic investigations. Forensic Science, Medicine, and Pathology, 2010, 6, 81-82.	0.6	24
9	A Review of the Potential Forensic Significance of Traditional Herbal Medicines. Journal of Forensic Sciences, 2010, 55, 89-92.	0.9	74
10	Discriminant Analysis of Raman Spectra for Body Fluid Identification for Forensic Purposes. Sensors, 2010, 10, 2869-2884.	2.1	110
12	Forensic body fluid identification: The Raman spectroscopic signature of saliva. Analyst, The, 2010, 135, 512-517.	1.7	111
13	Drugs of Abuse: The Highs and Lows of Altered Mental States in the Emergency Department. Emergency Medicine Clinics of North America, 2010, 28, 663-682.	0.5	51
14	Surface-enhanced Raman spectroscopy differences of saliva between lung cancer patients and normal people. , 2011, , .		2
15	Raman spectroscopy study of lichens using three spectrometers under different experimental conditions: analyses of the results with relevance for extraplanetary exploration. Analytical Methods, 2011, 3, 2783.	1.3	15
16	Saliva as a Diagnostic Fluid. Dental Clinics of North America, 2011, 55, 159-178.	0.8	337
17	Non-contact spectroscopic determination of large blood volume fractions in turbid media. Biomedical Optics Express, 2011, 2, 396.	1.5	7
18	mRNA profiling for the identification of bloodâ€"Results of a collaborative EDNAP exercise. Forensic Science International: Genetics, 2011, 5, 21-26.	1.6	93
19	DNA methylation-based forensic tissue identification. Forensic Science International: Genetics, 2011, 5, 517-524.	1.6	157
20	Sexual Assault. , 2011, , 503-530.		3

#	Article	IF	Citations
21	An Alternative to the Human Hemoglobin Test in the Investigation of Bloodstains Treated with Active Oxygen: The Human Glycophorin A Test. Scientific World Journal, The, 2011, 11, 907-916.	0.8	5
22	Surface-enhanced Raman spectroscopy differences of saliva between lung cancer patients and normal people. Proceedings of SPIE, 2011, , .	0.8	9
23	Remote Spectroscopic Identification of Bloodstains*. Journal of Forensic Sciences, 2011, 56, 1471-1475.	0.9	25
24	Rapid Presumptive â€œFingerprintingâ€•of Body Fluids and Materials by ATR FTâ€‘IR Spectroscopy*‹sup›,â€‹/sup›. Journal of Forensic Sciences, 2011, 56, 1580-1587.	0.9	110
25	Improving human forensics through advances in genetics, genomics and molecular biology. Nature Reviews Genetics, 2011, 12, 179-192.	7.7	407
26	A coumarin-based fluorescent PET sensor utilizing supramolecular pKa shifts. Tetrahedron Letters, 2011, 52, 5249-5254.	0.7	33
27	mRNA-based skin identification for forensic applications. International Journal of Legal Medicine, 2011, 125, 253-263.	1.2	80
28	Age estimation of blood stains by hemoglobin derivative determination using reflectance spectroscopy. Forensic Science International, 2011, 206, 166-171.	1.3	98
29	Plasma pharmacokinetics and tissue distribution of bufotalin in mice following single-bolus injection and constant-rate infusion of bufotalin solution. European Journal of Drug Metabolism and Pharmacokinetics, 2011, 35, 115-121.	0.6	6
30	Methods for the enhancement of fingermarks in blood. Forensic Science International, 2011, 210, 1-11.	1.3	56
31	Sexual Assault Examination and Reconstruction. , 2011, , 295-327.		1
32	Body fluid identification in forensics. BMB Reports, 2012, 45, 545-553.	1.1	161
33	Assessment of RNA Stability for Age Determination of Body Fluid Stains. Journal of the Canadian Society of Forensic Science, 2012, 45, 179-194.	0.7	18
34	Raman spectroscopy analysis of Palaeolithic industry from Guadalteba terrace river, Campillos (Guadalteba county, Southern of Iberian Peninsula). Journal of Raman Spectroscopy, 2012, 43, 1651-1657.	1.2	12
35	Evaluation of mRNA marker specificity for the identification of five human body fluids by capillary electrophoresis. Forensic Science International: Genetics, 2012, 6, 452-460.	1.6	84
36	Multidimensional Raman spectroscopic signature of sweat and its potential application to forensic body fluid identification. Analytica Chimica Acta, 2012, 718, 78-83.	2.6	72
37	Identification and age estimation of blood stains on colored backgrounds by near infrared spectroscopy. Forensic Science International, 2012, 220, 239-244.	1.3	81
38	A simple, low-cost, and portable LED-based multi-wavelength light source for forensic application. , 2012, , .		4

#	Article	IF	Citations
39	Legal and Forensic Sampling. , 2012, , 441-465.		0
40	Portable Electrochemical Surface-Enhanced Raman Spectroscopy System for Routine Spectroelectrochemical Analysis. Analytical Chemistry, 2012, 84, 1760-1764.	3.2	74
41	Pteridine-based fluorescent pH sensors designed for physiological applications. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 247, 63-73.	2.0	14
42	Protective effect of taurine on cardiotoxicity of the bufadienolides derived from toad (<i>Bufo bufo) Tj ETQq1 1 0.784314 rgBT /Overlo and Methods, 2012, 22, 1-8.	1.3	11
43	Sample Collection, Storage, and Characterization. , 2012, , 1-27.		4
44	Spectral analysis of human saliva for detection of lung cancer using surface-enhanced Raman spectroscopy. Journal of Biomedical Optics, 2012, 17, 037003.	1.4	127
46	Raman Spectroscopic Analysis of Gunshot Residue Offering Great Potential for Caliber Differentiation. Analytical Chemistry, 2012, 84, 4334-4339.	3.2	79
47	Issues in the interpretation of postmortem toxicology. Forensic Science, Medicine, and Pathology, 2012, 8, 205-207.	0.6	29
48	Chemical enhancement of footwear impressions in urine on fabric. Forensic Science International, 2012, 214, 67-81.	1.3	8
49	Forensic quest for age determination of bloodstains. Forensic Science International, 2012, 216, 1-11.	1.3	120
50	Raman spectroscopic signature of vaginal fluid and its potential application in forensic body fluid identification. Forensic Science International, 2012, 216, 44-48.	1.3	62
51	The novel antidote Bezoar Bovis prevents the cardiotoxicity of Toad (Bufo bufo gargarizans Canto) Venom in mice. Experimental and Toxicologic Pathology, 2012, 64, 417-423.	2.1	24
52	Forensic identification of urine using the DMAC test: A method validation study. Science and Justice - Journal of the Forensic Science Society, 2012, 52, 90-95.	1.3	10
53	Potential forensic application of DNA methylation profiling to body fluid identification. International Journal of Legal Medicine, 2012, 126, 55-62.	1.2	113
54	Vaginal microbial flora analysis by next generation sequencing and microarrays; can microbes indicate vaginal origin in a forensic context?. International Journal of Legal Medicine, 2012, 126, 303-310.	1.2	66
55	mRNA and MicroRNA for Body Fluid Identification. , 2013, , 402-408.		1
56	Hyperspectral imaging of the crime scene for detection and identification of blood stains. Proceedings of SPIE, 2013, , .	0.8	5
57	Comparison between prostate specific antigen and acid phosphatase for detection of semen in vaginal swabs from raped women. Journal of Clinical Forensic and Legal Medicine, 2013, 20, 578-581.	0.5	9

#	Article	IF	Citations
58	Serology. , 2013, , 9-25.		0
59	Determination of psilocin, bufotenine, LSD and its metabolites in serum, plasma and urine by SPE-LC-MS/MS. International Journal of Legal Medicine, 2013, 127, 593-601.	1.2	43
60	mRNA profiling using a minimum of five mRNA markers per body fluid and a novel scoring method for body fluid identification. International Journal of Legal Medicine, 2013, 127, 707-721.	1.2	106
61	Forensic Identification of Blood in the Presence of Contaminations Using Raman Microspectroscopy Coupled with Advanced Statistics: Effect of Sand, Dust, and Soil. Journal of Forensic Sciences, 2013, 58, 1141-1148.	0.9	55
64	Enabling fluorescent biosensors for the forensic identification of body fluids. Analyst, The, 2013, 138, 7279.	1.7	30
65	Circumventing substrate interference in the Raman spectroscopic identification of blood stains. Forensic Science International, 2013, 231, 157-166.	1.3	65
66	Biocatalytic analysis of biomarkers for forensic identification of ethnicity between Caucasian and African American groups. Analyst, The, 2013, 138, 6251.	1.7	28
67	Sperm Hy-Literâ„¢: An effective tool for the detection of spermatozoa in sexual assault exhibits. Forensic Science International: Genetics, 2013, 7, 367-379.	1.6	9
68	Mass spectrometry-based proteomics as a tool to identify biological matrices in forensic science. International Journal of Legal Medicine, 2013, 127, 287-298.	1.2	91
69	Prevalence and persistence of male DNA identified in mixed saliva samples after intense kissing. Forensic Science International: Genetics, 2013, 7, 124-128.	1.6	25
70	Demonstration of DSI-semenâ€”A novel DNA methylation-based forensic semen identification assay. Forensic Science International: Genetics, 2013, 7, 136-142.	1.6	60
71	The Evaluation of Possible False Positives with Detergents when Performing Amylase Serological Testing on Clothing. Journal of Forensic Sciences, 2013, 58, S183-5.	0.9	9
72	DNA methylation-specific multiplex assays for body fluid identification. International Journal of Legal Medicine, 2013, 127, 35-43.	1.2	71
73	The development of a method for FISH identification of forensically relevant body fluids. Forensic Science International: Genetics Supplement Series, 2013, 4, e107-e108.	0.1	2
74	Characteristics of the two microbial markers in vaginal secretions in Chinese Han population. Forensic Science International: Genetics Supplement Series, 2013, 4, e312-e313.	0.1	2
75	Screening and identification of tissue-specific methylation for body fluid identification. Forensic Science International: Genetics Supplement Series, 2013, 4, e37-e38.	0.1	6
76	mRNA profiling for vaginal fluid and menstrual blood identification. Forensic Science International: Genetics, 2013, 7, 272-278.	1.6	39
77	Fusion of laboratory and textual data for investigative bioforensics. Forensic Science International, 2013, 226, 118-124.	1.3	6

#	Article	IF	Citations
78	DNA methylation: the future of crime scene investigation?. Molecular Biology Reports, 2013, 40, 4349-4360.	1.0	14
79	A validation study of the Nucleix DSI-Semen kitâ€"a methylation-based assay for semen identification. International Journal of Legal Medicine, 2013, 127, 299-308.	1.2	18
80	Statistical Evaluation of Alternative Light Sources for Bloodstain Photography. Journal of Forensic Sciences, 2013, 58, 658-663.	0.9	6
81	¹H NMR metabolite fingerprinting as a new tool for body fluid identification in forensic science. Magnetic Resonance in Chemistry, 2013, 51, 454-462.	1.1	20
82	Interactions between bufadienolides derived from toad venom and verapamil in langendorff-perfused guinea-pig hearts. Toxicology in Vitro, 2013, 27, 396-401.	1.1	5
83	DNA profiling basics. , 2013, , 33-64.		0
84	Salivary Biomarkers for Detection of Systemic Diseases. PLoS ONE, 2013, 8, e61356.	1.1	135
86	The application of capillary electrophoresis techniques in toxicological analysis. Biomedical Chromatography, 2014, 28, 1507-1513.	0.8	9
87	Curriculum and course materials for a forensic DNA biology course. Biochemistry and Molecular Biology Education, 2014, 42, 15-28.	0.5	4
88	Analysis of the fluorescence of body fluids on different surfaces and times. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 427-431.	1.3	28
89	Raman spectroscopy coupled with advanced statistics for differentiating menstrual and peripheral blood. Journal of Biophotonics, 2014, 7, 59-67.	1.1	59
90	New age of quick and onsite bioassays for forensics: where are we now?. Bioanalysis, 2014, 6, 429-431.	0.6	2
91	Role of oral fluids in DNA investigations. Journal of Clinical Forensic and Legal Medicine, 2014, 22, 45-50.	0.5	14
92	Exploring the recovery and detection of messenger RNA and DNA from enhanced fingermarks in blood. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 192-198.	1.3	15
93	The development of a method of suspension RNA-FISH for forensically relevant epithelial cells using LNA probes. Forensic Science International: Genetics, 2014, 9, 85-92.	1.6	7
94	Discrimination of human and animal blood traces via Raman spectroscopy. Forensic Science International, 2014, 238, 91-95.	1.3	83
96	Applications of laser spectroscopy in forensic science. , 2014, , 461-495.		12
97	A modified Raman multidimensional spectroscopic signature of blood to account for the effect of laser power. Forensic Science International, 2014, 240, 88-94.	1.3	21

#	Article	IF	Citations
98	Body fluid identification by integrated analysis of DNA methylation and body fluid-specific microbial DNA. International Journal of Legal Medicine, 2014, 128, 33-41.	1.2	78
99	NIR Raman spectra of whole human blood: effects of laser-induced and in vitro hemoglobin denaturation. Analytical and Bioanalytical Chemistry, 2014, 406, 193-200.	1.9	73
100	Discrimination of human and nonhuman blood using visible diffuse reflectance spectroscopy. Analytical Methods, 2014, 6, 9419-9423.	1.3	25
101	Raman Spectroscopy of Blood for Species Identification. Analytical Chemistry, 2014, 86, 11628-11633.	3.2	82
102	Raman microspectroscopy: shining a new light on reproductive medicine. Human Reproduction Update, 2014, 20, 403-414.	5.2	46
103	The effect of mark enhancement techniques on the subsequent detection of semen/spermatozoa. Forensic Science International, 2014, 244, 231-246.	1.3	5
104	mRNA heptaplex protocol for distinguishing between menstrual and peripheral blood. Forensic Science International: Genetics, 2014, 13, 53-60.	1.6	17
105	Stretchable, Wireless Sensors and Functional Substrates for Epidermal Characterization of Sweat. Small, 2014, 10, 3083-3090.	5.2	247
106	Forensic interlaboratory evaluation of the ForFLUID kit for vaginal fluids identification. Journal of Clinical Forensic and Legal Medicine, 2014, 21, 60-63.	0.5	22
107	Forensic problems with the composition and content of herbal medicines. Journal of Clinical Forensic and Legal Medicine, 2014, 23, 19-21.	0.5	12
108	Stability of human Î±-salivary amylase in aged forensic samples. Legal Medicine, 2014, 16, 214-217.	0.6	17
109	RNA/DNA co-analysis from human menstrual blood and vaginal secretion stains: Results of a fourth and fifth collaborative EDNAP exercise. Forensic Science International: Genetics, 2014, 8, 203-212.	1.6	94
110	Lethal hepatocellular necrosis associated with herbal polypharmacy in a patient with chronic hepatitis B infection. Forensic Science International, 2014, 241, 138-140.	1.3	16
111	A strategy for co-analysis of microRNAs and DNA. Forensic Science International: Genetics, 2014, 12, 24-29.	1.6	32
113	Analysis of Hypodermic Needles and Syringes for the Presence of Blood and Polydimethylsiloxane (Silicone) Utilizing Microchemical Tests and Infrared Spectroscopy. Journal of Forensic Sciences, 2015, 60, 1078-1084.	0.9	4
114	The Stability of Prostateâ€Specific Antigen in Semen Under Various Temperatures. Journal of Forensic Sciences, 2015, 60, 1577-1581.	0.9	5
115	Epigenetic Fingerprint. , 2015, , 221-243.		1
116	Dangers resulting from DNA profiling of biological materials derived from patients after allogeneic hematopoietic stem cell transplantation (allo-HSCT) with regard to forensic genetic analysis. Archiwum Medycyny Sadowej I Kryminologii, 2015, 4, 225-247.	0.3	0

#	Article	IF	Citations
117	Investigation of the Application of miR10b and miR135b in the Identification of Semen Stains. PLoS ONE, 2015, 10, e0137067.	1.1	12
118	Testing Previously Unsubmitted Sexual Assault Kits. Criminal Justice Policy Review, 2015, 26, 598-619.	0.5	19
119	Comparative study of spermatozoa detection using the genital swab versus bedside smear slide technique in sexual assault patients. Journal of Clinical Forensic and Legal Medicine, 2015, 35, 69-72.	0.5	2
120	A bufadienolide-loaded submicron emulsion for oral administration: Stability, antitumor efficacy and toxicity. International Journal of Pharmaceutics, 2015, 479, 52-62.	2.6	27
121	DNA methylation and application in forensic sciences. Forensic Science International, 2015, 249, 255-265.	1.3	76
122	Fluorogenic displacement biosensors for PSA detection using antibody-functionalised quantum dot nanoparticles. RSC Advances, 2015, 5, 6595-6598.	1.7	12
123	In Situ Detection and Identification of Hair Dyes Using Surface-Enhanced Raman Spectroscopy (SERS). Analytical Chemistry, 2015, 87, 2901-2906.	3.2	107
124	Diagnostic Value of <scp>PSA</scp> and <scp>AP</scp> Tests for the Detection of Spermatozoa in Postmortem Swabs from the Genital and Anal Region in Males. Journal of Forensic Sciences, 2015, 60, 41-44.	0.9	6
125	RNA/DNA co-analysis from human skin and contact traces â€“ results of a sixth collaborative EDNAP exercise. Forensic Science International: Genetics, 2015, 16, 139-147.	1.6	53
126	Characterization of Phase I Metabolism of Resibufogenin and Evaluation of the Metabolic Effects on Its Antitumor Activity and Toxicity. Drug Metabolism and Disposition, 2015, 43, 299-308.	1.7	24
127	In Situ Identification of Semen Stains on Common Substrates via Raman Spectroscopy,,. Journal of Forensic Sciences, 2015, 60, 595-604.	0.9	32
128	Methylation-sensitive restriction enzyme nested real time PCR, a potential approach for sperm DNA identification. Journal of Clinical Forensic and Legal Medicine, 2015, 34, 34-39.	0.5	7
129	The application of imaging technologies in the detection of trace evidence in forensic medical investigation. Forensic Science International, 2015, 249, 225-232.	1.3	5
130	Forensic bloodstain imaging: a digital method for stain enhancement and background reduction. Australian Journal of Forensic Sciences, 2015, 47, 116-124.	0.7	3
131	Genome-wide methylation profiling and a multiplex construction for the identification of body fluids using epigenetic markers. Forensic Science International: Genetics, 2015, 17, 17-24.	1.6	71
132	The detection and discrimination of human body fluids using ATR FT-IR spectroscopy. Forensic Science International, 2015, 252, e10-e16.	1.3	126
133	A novel application of real-time RT-LAMP for body fluid identification: using HBB detection as the model. Forensic Science, Medicine, and Pathology, 2015, 11, 208-215.	0.6	20
134	Logical Framework of Forensic Identification: Ability to Resist Fabricated DNA. Molecular Biotechnology, 2015, 57, 1030-1037.	1.3	0

#	Article	IF	Citations
135	Identification of speciesâ€™ blood by attenuated total reflection (ATR) Fourier transform infrared (FT-IR) spectroscopy. Analytical and Bioanalytical Chemistry, 2015, 407, 7435-7442.	1.9	61
136	Evaluation of a Visualization Assay for Blood on Forensic Evidence. Journal of Forensic Sciences, 2015, 60, 707-711.	0.9	17
137	More about RSID-saliva: the effect of sample age and the environment on the testâ€™s efficacy. Australian Journal of Forensic Sciences, 2015, 47, 450-455.	0.7	3
138	Developed and evaluated a multiplex mRNA profiling system for body fluid identification in Chinese Han population. Journal of Clinical Forensic and Legal Medicine, 2015, 35, 73-80.	0.5	25
139	Detection Limits for Blood on Four Fabric Types Using Infrared Diffuse Reflection Spectroscopy in Mid- and Near-Infrared Spectral Windows. Analytical Chemistry, 2015, 87, 8740-8747.	3.2	15
140	DNA sequencing and metabolomics: new approaches to the forensic assessment of herbal therapeutic agents. Forensic Science, Medicine, and Pathology, 2015, 11, 1-2.	0.6	12
141	Vibrational Spectroscopy: Recent Developments to Revolutionize Forensic Science. Analytical Chemistry, 2015, 87, 306-327.	3.2	112
142	Emerging spectrometric techniques for the forensic analysis of body fluids. TrAC - Trends in Analytical Chemistry, 2015, 64, 53-63.	5.8	70
143	Comparison of automated and manual purification of total RNA for mRNA-based identification of body fluids. Forensic Science International: Genetics, 2015, 14, 11-17.	1.6	17
144	Body Fluids and Spectroscopic Techniques in Forensics: A Perfect Match?. Journal of Forensic Medicine, 2016, 1, .	0.2	17
145	Forensic DNA methylation profiling from evidence material for investigative leads. BMB Reports, 2016, 49, 359-369.	1.1	56
146	Forensic body fluid identification: state of the art. Research and Reports in Forensic Medical Science, 0, , 11.	0.0	54
147	Forensic application of a rapid one-step tetramethylbenzidine-based test for the presumptive trace detection of bloodstains at the crime scene and in the laboratory. Forensic Chemistry, 2016, 2, 63-74.	1.7	10
148	Solid-phase synthesis of Rhodamine-110 fluorogenic substrates and their application in forensic analysis. Analyst, The, 2016, 141, 2392-2395.	1.7	7
149	A Raman â€œspectroscopic clockâ€•for bloodstain age determination: the first week after deposition. Analytical and Bioanalytical Chemistry, 2016, 408, 3993-4001.	1.9	90
150	Development of a quantitative validation method for forensic investigation of human spermatozoa using a commercial fluorescence staining kit (SPERM HY-LITERâ„¢ Express). International Journal of Legal Medicine, 2016, 130, 1421-1429.	1.2	8
151	Enhancement of seminal stains using background correction algorithm with colour filters. Forensic Science International, 2016, 263, 1-9.	1.3	3
152	A 17-month time course study of human RNA and DNA degradation in body fluids under dry and humid environmental conditions. International Journal of Legal Medicine, 2016, 130, 1431-1438.	1.2	43

#	Article	IF	Citations
153	Development of a Realâ€Time PCRâ€Based Method for Analyzing Semenâ€Specific Unmethylated DNA Regions and Methylation Status in Aged Body Fluid Stains. Journal of Forensic Sciences, 2016, 61, S208-12.	0.9	17
154	Searching for biological traces on different materials using a forensic light source and infrared photography. International Journal of Legal Medicine, 2016, 130, 599-605.	1.2	20
155	A comparison of visible wavelength reflectance hyperspectral imaging and Acid Black 1 for the detection and identification of blood stained fingerprints. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 247-255.	1.3	15
156	Forensic body fluid identification and differentiation by Raman spectroscopy. Forensic Chemistry, 2016, 1, 31-38.	1.7	96
157	Evaluation of a blood-specific DNA methylated region and trial for allele-specific blood identification from mixed body fluid DNA. Legal Medicine, 2016, 22, 49-53.	0.6	15
158	What can Raman spectroscopy do for criminalistics?. Journal of Raman Spectroscopy, 2016, 47, 39-50.	1.2	70
163	A collaborative exercise on DNA methylation based body fluid typing. Electrophoresis, 2016, 37, 2759-2766.	1.3	21
164	Automation of DNA and miRNA coâ€extraction for miRNAâ€based identification of human body fluids and tissues. Electrophoresis, 2016, 37, 2742-2750.	1.3	14
165	Forensic Hair Differentiation Using Attenuated Total Reflection Fourier Transform Infrared (ATR) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	1.2	56
166	Novel identification of biofluids using a multiplex methylation sensitive restriction enzyme-PCR system. Forensic Science International: Genetics, 2016, 25, 157-165.	1.6	19
167	TXNIP/TRX/NF-Î¹B and MAPK/NF-Î¹B pathways involved in the cardiotoxicity induced by Venenum Bufonis in rats. Scientific Reports, 2016, 6, 22759.	1.6	24
168	Surface Enhanced Raman Scattering in surgery and forensics. , 2016, , .		3
169	Serology: Overview. , 2016, , 254-266.		2
170	mRNA Profiling for Vaginal Fluid and Menstrual Blood Identification. Methods in Molecular Biology, 2016, 1420, 33-42.	0.4	6
171	The effect of mark enhancement techniques on the subsequent detection of saliva. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 305-320.	1.3	5
172	DNA methylation profiling for a confirmatory test for blood, saliva, semen, vaginal fluid and menstrual blood. Forensic Science International: Genetics, 2016, 24, 75-82.	1.6	56
173	Ages at a Crime Scene: Simultaneous Estimation of the Time since Deposition and Age of Its Originator. Analytical Chemistry, 2016, 88, 6479-6484.	3.2	21
174	Comparison of algorithms for blood stain detection applied to forensic hyperspectral imagery. Proceedings of SPIE, 2016, , .	0.8	3

#	Article	IF	Citations
175	Spectral feature characterization methods for blood stain detection in crime scene backgrounds. Proceedings of SPIE, 2016, , .	0.8	5
176	Review of Surface Enhanced Raman Scattering Applications in Forensic Science. Analytical Chemistry, 2016, 88, 152-169.	3.2	248
177	Differentiation of five body fluids from forensic samples by expression analysis of four microRNAs using quantitative PCR. Forensic Science International: Genetics, 2016, 22, 89-99.	1.6	82
178	Differentiation of Body Fluid Stains on Fabrics Using External Reflection Fourier Transform Infrared Spectroscopy (FT-IR) and Chemometrics. Applied Spectroscopy, 2016, 70, 654-665.	1.2	35
179	The non-contact detection and identification of blood stained fingerprints using visible wavelength reflectance hyperspectral imaging: Part 1. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 181-190.	1.3	26
180	Developmental validation studies of epigenetic DNA methylation markers for the detection of blood, semen and saliva samples. Forensic Science International: Genetics, 2016, 23, 55-63.	1.6	67
181	Direct identification of forensic body fluids using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. International Journal of Mass Spectrometry, 2016, 397-398, 18-26.	0.7	20
182	A robust background correction algorithm for forensic bloodstain imaging using mean-based contrast adjustment. Science and Justice - Journal of the Forensic Science Society, 2016, 56, 201-209.	1.3	1
183	Menstrual cycle phase at the time of rape does not affect recovery of semen or amplification of STR profiles of a suspect in vaginal swabs. Forensic Science International, 2016, 259, 36-40.	1.3	4
184	Applicability of three commercially available kits for forensic identification of blood stains. Journal of Clinical Forensic and Legal Medicine, 2016, 38, 101-105.	0.5	26
185	Biocomputing approach in forensic analysis. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 17-29.	0.7	1
186	The effectiveness of the RSID confirmatory test kit for human alpha amylase: the effects of environmental factors and substrate materials. Australian Journal of Forensic Sciences, 2017, 49, 217-224.	0.7	2
187	Noncontact discrimination of animal and human blood with vacuum blood vessel and factors affect the discrimination. Infrared Physics and Technology, 2017, 81, 210-214.	1.3	11
188	Revealing the location of semen, vaginal fluid and urine in stained evidence through near infrared chemical imaging. Talanta, 2017, 166, 292-299.	2.9	17
189	Identification of aged bloodstains through mRNA profiling: Experiments results on selected markers of 30- and 50-year-old samples. Forensic Science International, 2017, 272, e1-e6.	1.3	18
190	Advanced forensic validation for human spermatozoa identification using SPERM HY-LITERâ„¢ Express with quantitative image analysis. International Journal of Legal Medicine, 2017, 131, 933-939.	1.2	3
191	Identification of organ tissue types and skin from forensic samples by microRNA expression analysis. Forensic Science International: Genetics, 2017, 28, 99-110.	1.6	29
192	Bioaffinity-based assay for the sensitive detection and discrimination of sweat aimed at forensic applications. Talanta, 2017, 170, 210-214.	2.9	6

#	Article	IF	Citations
193	Thermal desorption comprehensive two-dimensional gas chromatography coupled to variable-energy electron ionization time-of-flight mass spectrometry for monitoring subtle changes in volatile organic compound profiles of human blood. Journal of Chromatography A, 2017, 1501, 117-127.	1.8	55
194	Independent validation of body fluid-specific CpG markers and construction of a robust multiplex assay. Forensic Science International: Genetics, 2017, 29, 261-268.	1.6	27
195	Evaluation and identification of blood stains with handheld NIR spectrometer. Microchemical Journal, 2017, 133, 561-566.	2.3	42
196	Informativeness of <scp>NGS</scp> Analysis for Vaginal Fluid Identification. Journal of Forensic Sciences, 2017, 62, 192-196.	0.9	14
197	Evaluating the forensic application of 19 target microRNAs as biomarkers in body fluid and tissue identification. Forensic Science International: Genetics, 2017, 27, 41-49.	1.6	54
198	Direct-STR typing from presumptively-tested and untreated body fluids. Forensic Science International: Genetics, 2017, 30, 1-9.	1.6	10
199	Predicting the time of the crime: Bloodstain aging estimation for up to two years. Forensic Chemistry, 2017, 5, 1-7.	1.7	61
200	Raman and infrared spectroscopy of carbohydrates: A review. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 317-335.	2.0	654
201	Heterogeneous time-resolved electrochemiluminoimmunoassay of thyroid stimulating hormone with magnetic beads at oxide-covered aluminum electrode. Journal of Luminescence, 2017, 186, 183-188.	1.5	6
202	The use of immunochromatographic rapid test for soft tissue remains identification in order to distinguish between human and non-human origin. Science and Justice - Journal of the Forensic Science Society, 2017, 57, 165-168.	1.3	1
203	Race Differentiation Based on Raman Spectroscopy of Semen Traces for Forensic Purposes. Analytical Chemistry, 2017, 89, 4344-4348.	3.2	34
204	Determining Gender by Raman Spectroscopy of a Bloodstain. Analytical Chemistry, 2017, 89, 1486-1492.	3.2	43
205	Verification of protein biomarker specificity for the identification of biological stains by quadrupole timeâ€ofâ€flight mass spectrometry. Electrophoresis, 2017, 38, 833-845.	1.3	34
206	Presumptive tests: A substitute for Benzidine in blood samples recognition. Forensic Science International: Genetics Supplement Series, 2017, 6, e546-e548.	0.1	3
207	Fluorogenic substrates for the detection of saliva. Forensic Science International: Genetics Supplement Series, 2017, 6, e565-e567.	0.1	2
208	Evaluation of genetic markers for forensic identification of human body fluids. Forensic Science International: Genetics Supplement Series, 2017, 6, e241-e243.	0.1	2
209	Spectral Mining for Discriminating Blood Origins in the Presence of Substrate Interference via Attenuated Total Reflection Fourier Transform Infrared Spectroscopy: Postmortem or Antemortem Blood?. Analytical Chemistry, 2017, 89, 9797-9804.	3.2	21
210	Non-invasive prediction of bloodstain age using the principal component and a back propagation artificial neural network. Laser Physics Letters, 2017, 14, 095601.	0.6	9

#	Article	IF	Citations
211	Practical evaluation of an RNA-based saliva identification method. Science and Justice - Journal of the Forensic Science Society, 2017, 57, 404-408.	1.3	21
212	White light reflectance spectroscopy biosensing system for fast quantitative prostate specific antigen determination in forensic samples. Talanta, 2017, 175, 443-450.	2.9	10
213	Developing aptasensors for forensic analysis. TrAC - Trends in Analytical Chemistry, 2017, 94, 150-160.	5.8	34
214	Reducing the Workload: Analysis of DNA Profiling Efficiency of Case Work Items. Forensic Science Policy and Management, 2017, 8, 13-21.	0.5	2
215	The adaptation of a 360Â° camera utilising an alternate light source (ALS) for the detection of biological fluids at crime scenes. Science and Justice - Journal of the Forensic Science Society, 2017, 57, 239-249.	1.3	11
216	Enzyme Logic Systems: Biomedical and Forensic Biosensor Applications. Springer Series on Chemical Sensors and Biosensors, 2017, , 345-381.	0.5	2
217	Statistical approach for ATR-FTIR screening of semen in sexual evidence. Talanta, 2017, 174, 853-857.	2.9	23
218	Combination of prostate-specific antigen detection and micro-Raman spectroscopy for confirmatory semen detection. Forensic Science International, 2017, 270, 241-247.	1.3	18
219	Identification of individual red blood cells by Raman microspectroscopy for forensic purposes: in search of a limit of detection. Analytical and Bioanalytical Chemistry, 2017, 409, 287-293.	1.9	23
220	Analysis of human bodily fluids on superabsorbent pads by ATR-FTIR. Talanta, 2017, 162, 634-640.	2.9	29
221	Microbial population analysis improves the evidential value of faecal traces in forensic investigations. International Journal of Legal Medicine, 2017, 131, 45-51.	1.2	13
223	The Differentiation of Menstrual from Venous Blood and Other Body Fluids on Various Substrates Using <scp>ATR FT</scp>â€<scp>IR</scp> Spectroscopy. Journal of Forensic Sciences, 2017, 62, 197-204.	0.9	43
225	Presumptive and Confirmatory Blood Testing. , 2017, , 239-269.		1
226	The Sexual Assault Examination. , 2017, , 181-219.		0
227	Evaluation and Optimization of Paper-Based SERS Substrate for Potential Label-Free Raman Analysis of Seminal Plasma. Journal of Nanomaterials, 2017, 2017, 1-8.	1.5	10
228	Personalized Medicine Applied to Forensic Sciences: New Advances and Perspectives for a Tailored Forensic Approach. Current Pharmaceutical Biotechnology, 2017, 18, 263-273.	0.9	26
229	Evaluation of the SPERM TRACKERâ„¢ for Semen Stains Localization on Fabrics. Journal of Forensics Research, 2017, 08, .	0.1	3
230	Field-based detection of biological samples for forensic analysis: Established techniques, novel tools, and future innovations. Forensic Science International, 2018, 285, 147-160.	1.3	25

#	Article	IF	Citations
231	Modification method to reduce the impact of blood vessel on noncontact discrimination of human blood based on â€œM+Nâ€•theory. Infrared Physics and Technology, 2018, 88, 119-122.	1.3	2
232	A retrospective study of sexual offences in Zambia. Journal of Clinical Forensic and Legal Medicine, 2018, 54, 23-33.	0.5	5
233	Simple and rapid identification of saliva by detection of oral streptococci using direct polymerase chain reaction combined with an immunochromatographic strip. Forensic Science International: Genetics, 2018, 33, 155-160.	1.6	15
234	Human Saliva for Oral Precancer Detection: a Comparison of Fluorescence & Stokes Shift Spectroscopy. Journal of Fluorescence, 2018, 28, 419-426.	1.3	18
235	Predicting the origin of stains from next generation sequencing mRNA data. Forensic Science International: Genetics, 2018, 34, 37-48.	1.6	46
236	A comparison study of the detection of bloodstains on painted and cleaned surfaces with luminol. Forensic Science International, 2018, 289, 75-82.	1.3	4
237	Development of mRNA-based body fluid identification using reverse transcription loop-mediated isothermal amplification. Analytical and Bioanalytical Chemistry, 2018, 410, 4371-4378.	1.9	15
238	Acid phosphatase test on PhadebasÂ® sheets â€" An optimized method for presumptive saliva and semen detection. Forensic Science International, 2018, 288, 218-222.	1.3	2
239	Feasibility of a handheld near infrared device for the qualitative analysis of bloodstains. Talanta, 2018, 184, 1-6.	2.9	37
240	Multiple Reaction Monitoring Tandem Mass Spectrometry Approach for the Identification of Biological Fluids at Crime Scene Investigations. Analytical Chemistry, 2018, 90, 5627-5636.	3.2	21
241	Applications of liquidâ€based separation in conjunction with mass spectrometry to the analysis of forensic evidence. Electrophoresis, 2018, 39, 1249-1275.	1.3	6
242	Spectral peak enhancement of biological fluids by magnetron-sputtered silver nanoparticles. Bioinspired, Biomimetic and Nanobiomaterials, 2018, 7, 37-43.	0.7	2
243	A Rapid, Confirmatory Test for Body Fluid Identification,. Journal of Forensic Sciences, 2018, 63, 511-516.	0.9	12
244	Improving body fluid identification in forensic trace evidenceâ€"construction of an immunochromatographic test array to rapidly detect up to five body fluids simultaneously. International Journal of Legal Medicine, 2018, 132, 83-90.	1.2	12
245	Comprehensive examination of conventional and innovative body fluid identification approaches and DNA profiling of laundered blood- and saliva-stained pieces of cloths. International Journal of Legal Medicine, 2018, 132, 67-81.	1.2	21
246	Evaluation of the inclusion of circular RNAs in mRNA profiling in forensic body fluid identification. International Journal of Legal Medicine, 2018, 132, 43-52.	1.2	35
247	Visualizing old biological traces on different materials without using chemicals. International Journal of Legal Medicine, 2018, 132, 35-41.	1.2	2
248	Differentiation of human blood from animal blood using Raman spectroscopy: A survey of forensically relevant species. Forensic Science International, 2018, 282, 204-210.	1.3	55

#	Article	IF	Citations
249	Forensic differentiation between peripheral and menstrual blood in cases of alleged sexual assaultâ€"validating an immunochromatographic multiplex assay for simultaneous detection of human hemoglobin and D-dimer. International Journal of Legal Medicine, 2018, 132, 683-690.	1.2	30
250	A capillary electrophoresis method for identifying forensically relevant body fluids using miRNAs. Legal Medicine, 2018, 30, 1-4.	0.6	29
251	Age Determination of Blood-Stained Fingerprints Using Visible Wavelength Reflectance Hyperspectral Imaging. Journal of Imaging, 2018, 4, 141.	1.7	22
252	Biological traces at the crime scene. Medicina Fluminensis, 2018, 54, 129-139.	0.1	1
253	The evaluation of Oryza sativa L (Black rice) extracts for detection of spermatozoa on the clothing and vaginal swab samples. Legal Medicine, 2018, 35, 91-97.	0.6	2
254	Microbial forensics: new breakthroughs and future prospects. Applied Microbiology and Biotechnology, 2018, 102, 10377-10391.	1.7	76
255	Investigating the Isolation and Amplification of microRNAs for Forensic Body Fluid Identification. MicroRNA (Shariqah, United Arab Emirates), 2018, 7, 187-194.	0.6	20
256	Three Decades of DNA Evidence: Judicial Perspective and Future Challenges in India. , 2018, , 181-205.		2
258	Rapid measures of userâ€™s adherence to vaginal drug products using attenuated total reflectance Fourier transform infrared spectroscopy (ATR-FTIR) and multivariate discriminant techniques. PLoS ONE, 2018, 13, e0197906.	1.1	4
259	Forensics in hand: new trends in forensic devices (2013â€"2017). Analytical Methods, 2018, 10, 5135-5163.	1.3	59
260	Differential genes expression biomarkers for menstrual and peripheral blood stains analysis. Egyptian Journal of Forensic Sciences, 2018, 8, .	0.4	5
261	Determination of Ethanol in Blood Samples Using Partial Least Square Regression Applied to Surface Enhanced Raman Spectroscopy. Toxicological Research, 2018, 34, 127-132.	1.1	10
262	Forensic identification of urine on cotton and polyester fabric with a hand-held Raman spectrometer. Forensic Chemistry, 2018, 9, 44-49.	1.7	26
263	SERS Biomedical Applications: Diagnostics, Forensics, and Metabolomics. , 2018, , 327-367.		19
264	Introducing novel type of human DNA markers for forensic tissue identification: DNA copy number variation allows the detection of blood and semen. Forensic Science International: Genetics, 2018, 36, 112-118.	1.6	11
265	Old meets new: Comparative examination of conventional and innovative RNA-based methods for body fluid identification of laundered seminal fluid stains after modular extraction of DNA and RNA. Forensic Science International: Genetics, 2018, 36, 130-140.	1.6	15
266	Time- and frequency-resolved fluorescence with a single TCSPC detector via a Fourier-transform approach. Optics Express, 2018, 26, 2270.	1.7	22
267	Identification and detection of protein markers to differentiate between forensically relevant body fluids. Forensic Science International, 2018, 290, 196-206.	1.3	25

#	Article	IF	Citations
268	Rapid oral bacteria detection based on real-time PCR for the forensic identification of saliva. Scientific Reports, 2018, 8, 10852.	1.6	44
269	Forensic application of fluorescence spectroscopy: An efficient technique to predict the presence of human saliva. Journal of Luminescence, 2018, 203, 696-701.	1.5	8
270	Forensic DNA retention: Public perspective studies in the United Kingdom and around the world. Science and Justice - Journal of the Forensic Science Society, 2018, 58, 455-464.	1.3	16
271	Developmental validation of the ParaDNAÂ® Body Fluid ID Systemâ€"A rapid multiplex mRNA-profiling system for the forensic identification of body fluids. Forensic Science International: Genetics, 2018, 37, 151-161.	1.6	19
272	From unknown to known: Identification of the remains at the mausoleum of fosse Ardeatine. Science and Justice - Journal of the Forensic Science Society, 2018, 58, 469-478.	1.3	12
273	Soft and Robust Identification of Body Fluid Using Fourier Transform Infrared Spectroscopy and Chemometric Strategies for Forensic Analysis. Scientific Reports, 2018, 8, 8459.	1.6	63
274	Rapid sperm lysis and novel screening approach for human male DNA via colorimetric loop-mediated isothermal amplification. Forensic Science International: Genetics, 2019, 43, 102139.	1.6	11
275	Sheath-flow probe electrospray ionization (sfPESI) mass spectrometry for the rapid forensic analysis of human body fluids. Analytical Methods, 2019, 11, 3633-3640.	1.3	9
276	Development of a body fluid identification multiplex via DNA methylation analysis. Electrophoresis, 2019, 40, 2565-2574.	1.3	20
277	Expression profile analysis of piwi-interacting RNA in forensically relevant biological fluids. Forensic Science International: Genetics, 2019, 42, 171-180.	1.6	17
278	The use of crime scene detection dogs to locate semen stains on different types of fabric. Forensic Science International, 2019, 302, 109907.	1.3	9
279	Comprehensive modeling of bloodstain aging by multivariate Raman spectral resolution with kinetics. Communications Chemistry, 2019, 2, .	2.0	8
280	Raman spectroscopy for forensic bloodstain identification: Method validation vs. environmental interferences. Forensic Chemistry, 2019, 16, 100175.	1.7	22
281	Mass spectrometry-based proteomics for the forensic identification of vomit traces. Journal of Proteomics, 2019, 209, 103524.	1.2	8
282	New fluorescence and reflectance analyses to aid dental material detection in human identification. Forensic Science International, 2019, 305, 110032.	1.3	5
283	Estimation of HIVâ€1 viral load in plasma of HIVâ€1â€infected people based on the associated Raman spectroscopic peaks. Journal of Raman Spectroscopy, 2019, 50, 620-628.	1.2	11
284	Analyzing the impact of urbanization quality on CO2 emissions: What can geographically weighted regression tell us?. Renewable and Sustainable Energy Reviews, 2019, 104, 127-136.	8.2	91
285	Emerging Technologies for the Analysis of Forensic Traces. Advanced Sciences and Technologies for Security Applications, 2019, , .	0.4	9

#	Article	IF	Citations
286	Proteomics as a new tool in forensic sciences. Spanish Journal of Legal Medicine, 2019, 45, 114-122.	0.4	2
287	Phenotype profiling for forensic purposes: Nondestructive potentially on scene attenuated total reflection Fourier transform-infrared (ATR FT-IR) spectroscopy of bloodstains. Forensic Chemistry, 2019, 16, 100176.	1.7	21
288	Development of a microfluidic device (Î¼PADs) for forensic serological analysis. Analytical Methods, 2019, 11, 587-595.	1.3	15
289	Transforming presumptive forensic testing: in situ identification and age estimation of human bodily fluids. Chemical Science, 2019, 10, 1064-1069.	3.7	18
290	Lactobacillus DNA usage in differentiation of normal vaginal fluids in premenopausal and postmenopausal females. Journal of Clinical Forensic and Legal Medicine, 2019, 66, 58-64.	0.5	1
291	Defining end user requirements for a field-based molecular detection system for wildlife forensic investigations. Forensic Science International, 2019, 301, 231-239.	1.3	11
292	A Comparison of Four Presumptive Tests for the Detection of Blood on Dark Materials. Journal of Forensic Sciences, 2019, 64, 1838-1843.	0.9	7
293	Universal detection of body fluid traces in situ with Raman hyperspectroscopy for forensic purposes: Evaluation of a new detection algorithm (HAMAND) using semen samples. Journal of Raman Spectroscopy, 2019, 50, 1147-1153.	1.2	15
294	The expression of 10 candidate specific microRNA markers for human body fluid identification in animal buccal swabs. Forensic Science International, 2019, 300, e44-e49.	1.3	3
295	Surface-Enhanced Raman Analysis of Underlaying Colorants on Redyed Hair. Analytical Chemistry, 2019, 91, 7313-7318.	3.2	15
296	Phenotype Profiling for Forensic Purposes: Determining Donor Sex Based on Fourier Transform Infrared Spectroscopy of Urine Traces. Analytical Chemistry, 2019, 91, 6288-6295.	3.2	28
297	Taking the â€˜Secretâ€™ out of secretions: evaluation of the ParaDNA body fluid ID system at NSWHP FASS. Australian Journal of Forensic Sciences, 2019, 51, S81-S85.	0.7	1
298	A review of direct polymerase chain reaction of DNA and RNA for forensic purposes. Wiley Interdisciplinary Reviews Forensic Science, 2019, 1, .	1.2	7
299	Microbiome-based body fluid identification of samples exposed to indoor conditions. Forensic Science International: Genetics, 2019, 40, 105-113.	1.6	52
300	Simultaneous detection and image capture of biological evidence using a combined 360Â° camera system with single wavelength laser illumination. Science and Justice - Journal of the Forensic Science Society, 2019, 59, 75-82.	1.3	2
301	NextGen Serology: Leveraging Mass Spectrometry for Protein-Based Human Body Fluid Identification. ACS Symposium Series, 2019, , 47-80.	0.5	0
302	Direct identification of forensic body fluids by MALDI-MS. Analyst, The, 2019, 144, 7017-7023.	1.7	20
303	Multiplex body fluid identification using surface plasmon resonance imaging with principal component analysis. Sensors and Actuators B: Chemical, 2019, 283, 355-362.	4.0	13

#	Article	IF	Citations
304	BioAlder: a tool for assessing chronological age based on two radiological methods. International Journal of Legal Medicine, 2019, 133, 1177-1189.	1.2	13
305	Successful analysis of a 100 years old semen stain generating a complete DNA STR profile. Journal of Clinical Forensic and Legal Medicine, 2019, 61, 78-81.	0.5	3
306	Internal standard metabolites for obtaining absolute quantitative information on the components of bloodstains by standardization of samples. Forensic Science International, 2019, 294, 69-75.	1.3	5
307	The potential use of Piwi-interacting RNA biomarkers in forensic body fluid identification: A proof-of-principle study. Forensic Science International: Genetics, 2019, 39, 129-135.	1.6	30
309	DNA transfer in forensic science: A review. Forensic Science International: Genetics, 2019, 38, 140-166.	1.6	184
310	Recent advances and trends in structural health monitoring. , 2019, , 53-73.		22
311	The persistence of semen on cotton fabric in various water environments. Australian Journal of Forensic Sciences, 2020, 52, 155-164.	0.7	5
312	Discrimination of wet or dried arterial and venous blood for forensic applications via eosin fluorescence lifetime. Sensors and Actuators B: Chemical, 2020, 304, 127018.	4.0	3
313	Improving the limit of detection in portable luminescent assay readers through smart optical design. Journal of Biophotonics, 2020, 13, e201900241.	1.1	10
314	Forensic discrimination of menstrual blood and peripheral blood using attenuated total reflectance (ATR)-Fourier transform infrared (FT-IR) spectroscopy and chemometrics. International Journal of Legal Medicine, 2020, 134, 63-77.	1.2	34
315	Amylase testing on intimate samples from pre-pubescent, post-pubescent and post-menopausal females: implications for forensic casework in sexual assault allegations. Australian Journal of Forensic Sciences, 2020, 52, 618-625.	0.7	4
316	Insects as vectors of DNA in a forensic context. Wiley Interdisciplinary Reviews Forensic Science, 2020, 2, .	1.2	5
317	Characterization of DNA methylation-based markers for human body fluid identification in forensics: a critical review. International Journal of Legal Medicine, 2020, 134, 1-20.	1.2	36
318	Comparison of spectroscopic methods in the detection of silicone-based condom lubricant evidence. Analytical Methods, 2020, 12, 657-665.	1.3	14
319	Chemometrics in Forensics. , 2020, , 113-148.		1
320	Detection and discrimination of seminal fluid using attenuated total reflectance Fourier transform infrared (ATR FT-IR) spectroscopy combined with chemometrics. International Journal of Legal Medicine, 2020, 134, 411-432.	1.2	24
321	Tears and Eyewear in Forensic Investigationâ€"A Review. Forensic Science International, 2020, 306, 110055.	1.3	15
322	A new method to detect methylation profiles for forensic body fluid identification combining ARMS-PCR technique and random forest model. Forensic Science International: Genetics, 2020, 49, 102371.	1.6	16

#	Article	IF	Citations
324	Glycans in blood as biomarkers for forensic applications. TrAC - Trends in Analytical Chemistry, 2020, 133, 116084.	5.8	2
325	mRNA profiling in casework analyses. Journal of Integrated OMICS, 2020, 10, .	0.5	2
326	Surface enhanced Raman spectroscopy as a novel tool for rapid quantification of heroin and metabolites in saliva. Turkish Journal of Medical Sciences, 2020, 50, 1470-1479.	0.4	13
327	Development of DNA methylation markers for sperm, saliva and blood identification using pyrosequencing and qPCR/HRM. Analytical Biochemistry, 2020, 611, 113933.	1.1	16
328	Using mass spectrometry to transform the assessment of sexual assault evidence. Forensic Chemistry, 2020, 20, 100262.	1.7	5
329	Analytical approaches for bloodstain aging by vibrational spectroscopy: Current trends and future perspectives. Microchemical Journal, 2020, 158, 105278.	2.3	18
330	Effect of indoor environmental exposure on seminal microbiota and its application in body fluid identification. Forensic Science International, 2020, 314, 110417.	1.3	19
331	Vibrational Spectroscopy for Identification of Metabolites in Biologic Samples. Molecules, 2020, 25, 4725.	1.7	37
332	A Review of Portable High-Performance Liquid Chromatography: the Future of the Field?. Chromatographia, 2020, 83, 1165-1195.	0.7	38
333	Pre-Clinical Proof-of-Concept Study of a Bladder Irrigation Feedback System for Gross Haematuria in a Lab Setup. Multimodal Technologies and Interaction, 2020, 4, 59.	1.7	2
334	Omics era in forensic medicine: towards a new age. Turkish Journal of Medical Sciences, 2020, 50, 1480-1490.	0.4	14
336	Surface enhanced Raman scattering for robust, sensitive detection and confirmatory identification of dried bloodstains. Analyst, The, 2020, 145, 6097-6110.	1.7	21
337	RNA- and DNA-Based Identification of Body Fluids. , 2020, , 87-104.		1
338	Detection of prostate-specific antigen in semen using DNA aptamers: an application of nucleic acid aptamers in forensic body fluid identification. Analytical Methods, 2020, 12, 2703-2709.	1.3	5
339	A confirmatory test for sperm in sexual assault samples using a microfluidic-integrated cell phone imaging system. Forensic Science International: Genetics, 2020, 48, 102313.	1.6	15
340	Body fluid identification: A case for more research and innovation. Forensic Science International: Reports, 2020, 2, 100096.	0.4	2
341	Detection of vaginal fluid stains on common substrates via ATR FT-IR spectroscopy. International Journal of Legal Medicine, 2020, 134, 1591-1602.	1.2	15
342	Identification of invisible biological traces in forensic evidences by hyperspectral NIR imaging combined with chemometrics. Talanta, 2020, 215, 120911.	2.9	28

#	Article	IF	Citations
343	A study of the mid-infrared emissivity of dried blood on fabrics. Forensic Chemistry, 2020, 19, 100238.	1.7	1
344	Direct differentiation of whole blood for forensic serology analysis by thread spray mass spectrometry. Analyst, The, 2020, 145, 5615-5623.	1.7	15
345	Potential applications of microRNA profiling to forensic investigations. Rna, 2020, 26, 1-9.	1.6	31
346	Effects of organic acids and common household products on the occurrence of false positive test results using immunochromatographic assays. Forensic Science International, 2020, 308, 110165.	1.3	5
347	Comparison of Crime-liteÂ® 82S, PolilightÂ® PL400 and PolilightÂ® PL500 for the detection of semen and saliva stains. Australian Journal of Forensic Sciences, 2020, , 1-11.	0.7	4
348	Ultraviolet 365 as an Alternative Light Source for Detection of Blood Serum. Journal of Forensic Sciences, 2020, 65, 1716-1721.	0.9	7
349	Biomolecular and bioanalytical applications of infrared spectroscopy â€“ A review. Analytica Chimica Acta, 2020, 1133, 150-177.	2.6	107
350	Forensic investigation of arson residue by infrared and Raman spectroscopy: From conventional to non-destructive techniques. Medicine, Science and the Law, 2020, 60, 206-215.	0.6	12
351	Exploration of the microbiome community for saliva, skin, and a mixture of both from a population living in Guangdong. International Journal of Legal Medicine, 2021, 135, 53-62.	1.2	14
352	Species identification of semen stains by ATR-FTIR spectroscopy. International Journal of Legal Medicine, 2021, 135, 73-80.	1.2	18
353	Lighting up forensic science by aggregation-induced emission: A review. Analytica Chimica Acta, 2021, 1155, 238119.	2.6	19
354	<scp>RNA</scp>â€based approaches for body fluid identification in forensic science. Wiley Interdisciplinary Reviews Forensic Science, 2021, 3, .	1.2	8
355	Discrimination of menstrual and peripheral blood traces using attenuated total reflection Fourier transform-infrared (ATR FT-IR) spectroscopy and chemometrics for forensic purposes. Analytical and Bioanalytical Chemistry, 2021, 413, 2513-2522.	1.9	20
356	Evaluation of the relationship between the detectability of seminal stains on laundered fabric and stain age. Medicine, Science and the Law, 2021, 61, 198-207.	0.6	3
357	Hierarchical method and hyperspectral images for classification of blood stains on colored and printed fabrics. Chemometrics and Intelligent Laboratory Systems, 2021, 210, 104253.	1.8	6
358	Forensic analysis of beverage stains using hyperspectral imaging. Scientific Reports, 2021, 11, 6512.	1.6	11
359	Evaluation and SNP typing of DNA from ultraviolet-irradiated human bloodstains using TaqMan assay. Scientific Reports, 2021, 11, 8029.	1.6	0
360	Analysis of condom evidence in forensic science: Background survey of the human vaginal matrix using DRIFTS and pyrolysis-GC/MS. Forensic Science International, 2021, 321, 110724.	1.3	14

#	Article	IF	Citations
361	Hyperspectral Imaging for Bloodstain Identification. Sensors, 2021, 21, 3045.	2.1	25
362	Crime Scene Investigation Issues: Present Issues and Future Recommendations. Jurnal Undang-Undang Dan Masyarakat, 2021, 28, 3-10.	0.1	3
363	Proteomics in Forensic Analysis: Applications for Human Samples. Applied Sciences (Switzerland), 2021, 11, 3393.	1.3	21
364	Visible and near-infrared Fourier transform spectroscopy with a common-path interferometer. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 113001.	0.6	3
365	Calculating LRs for presence of body fluids from mRNA assay data in mixtures. Forensic Science International: Genetics, 2021, 52, 102455.	1.6	11
366	Forensic transcriptome analysis using massively parallel sequencing. Forensic Science International: Genetics, 2021, 52, 102486.	1.6	26
367	Application of DNA methylation-based markers in identification of mixed body fluid evidences simulating crime scene scenarios. Egyptian Journal of Forensic Sciences, 2021, 11, .	0.4	2
368	Detectability of seminal stains on fabrics after various washing steps. International Journal of Health Research and Medico Legal Practice, 2021, 7, .	0.0	1
369	The prevalence and persistence of saliva in vehicles. Forensic Science International: Genetics, 2021, 53, 102530.	1.6	7
370	What is she doing here? Klinefelter syndrome in forensic casework. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 443-448.	1.3	4
371	The effect of infertile semen on the mRNAâ€based body fluid identification. Electrophoresis, 2021, 42, 1614-1622.	1.3	2
372	A forensic case study for body fluid identification using DNA methylation analysis. Legal Medicine, 2021, 51, 101872.	0.6	9
373	ATRâ€“FTIR Spectroscopy Combined with the Invitro Antioxidant Activity and Chromaticity for Rapid Discrimination of Fig (Ficus carica L.) Cultivars. Journal of Analysis and Testing, 2021, 5, 270-285.	2.5	4
374	Assessing time dependent changes in microbial composition of biological crime scene traces using microbial RNA markers. Forensic Science International: Genetics, 2021, 53, 102537.	1.6	17
375	Post deposition aging of bloodstains probed by steady-state fluorescence spectroscopy. Journal of Photochemistry and Photobiology B: Biology, 2021, 221, 112251.	1.7	10
376	Methods in Raman spectroscopy for saliva studies â€“ a review. Applied Spectroscopy Reviews, 2022, 57, 177-233.	3.4	26
377	A novel multiplex assay system based on 10 methylation markers for forensic identification of body fluids. Journal of Forensic Sciences, 2022, 67, 136-148.	0.9	5
378	Generating aptamers towards human sperm cells using massively parallel sequencing. Analytical and Bioanalytical Chemistry, 2021, 413, 5821-5834.	1.9	5

#	Article	IF	Citations
379	Forensic Analysis of Human Microbiome in Skin and Body Fluids Based on Geographic Location. Frontiers in Cellular and Infection Microbiology, 2021, 11, 695191.	1.8	34
380	Diffuse reflectance infrared Fourier transform spectroscopy (DRIFTS) detection limits for blood on fabric: Orientation and coating uniformity effects. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 603-616.	1.3	1
381	Development and validation of an mRNA-based multiplex body fluid identification workflow and a rectal mucosa marker pilot study. Forensic Science International: Genetics, 2021, 54, 102542.	1.6	11
382	Forensic proteomics. Forensic Science International: Genetics, 2021, 54, 102529.	1.6	24
383	Occult bloodstains detection in crime scene analysis. Forensic Chemistry, 2021, 26, 100368.	1.7	3
384	Identification of different body fluids through novel deep blue autofluorescence. Forensic Science International, 2021, 327, 110976.	1.3	2
385	Spectroscopic molecular-fingerprint profiling of saliva. Analytica Chimica Acta, 2021, 1185, 339074.	2.6	12
386	Blood and sperm traces on human hair. A study on preservation and detection after 3-month outdoor exposure. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 657-666.	1.3	1
387	Surface enhanced Raman scattering specificity for detection and identification of dried bloodstains. Forensic Science International, 2021, 328, 111000.	1.3	20
388	Vibrational spectroscopic approaches for semen analysis in forensic investigation: State of the art and way forward. Microchemical Journal, 2021, 171, 106810.	2.3	1
389	A novel approach to imaging and visualization of minute amounts of DNA in small volume samples. Analyst, The, 2021, 146, 6520-6527.	1.7	2
390	Omics for Forensic and Post-Mortem Microbiology. , 2021, , 219-240.		1
391	Evaluating forensic <scp>DNA</scp> evidence: Connecting the dots. Wiley Interdisciplinary Reviews Forensic Science, 2021, 3, .	1.2	15
392	Capillary Electrophoresis of a Multiplex Reverse Transcription-Polymerase Chain Reaction to Target Messenger RNA Markers for Body Fluid Identification. Methods in Molecular Biology, 2012, 830, 169-183.	0.4	37
393	Assigning forensic body fluids to donors in mixed body fluids by targeted RNA/DNA deep sequencing of coding region SNPs. International Journal of Legal Medicine, 2020, 134, 473-485.	1.2	22
394	A universal test for the forensic identification of all main body fluids including urine. Forensic Chemistry, 2020, 20, 100247.	1.7	28
395	Exploring a multiplex DNA methylation-based SNP typing method for body fluids identification: As a preliminary report. Forensic Science International, 2020, 313, 110329.	1.3	10
396	Raman spectroscopy for forensic semen identification: Method validation vs. environmental interferences. Vibrational Spectroscopy, 2020, 109, 103065.	1.2	16

#	Article	IF	Citations
397	Optical device and methodology for optical sensing of hemolysis in hypotonic media. Measurement Science and Technology, 2020, 31, 095701.	1.4	8
398	Bloodstain detection and discrimination impacted by spectral shift when using an interference filter-based visible and near-infrared multispectral crime scene imaging system. Optical Engineering, 2018, 57, 1.	0.5	5
399	Dual-model analysis for improving the discrimination performance of human and nonhuman blood based on Raman spectroscopy. Biomedical Optics Express, 2018, 9, 3512.	1.5	13
400	Serum Based Diagnosis of Asthma Using Raman Spectroscopy: An Early Phase Pilot Study. PLoS ONE, 2013, 8, e78921.	1.1	56
401	Development of Highly Sensitive and Specific mRNA Multiplex System (XCYR1) for Forensic Human Body Fluids and Tissues Identification. PLoS ONE, 2014, 9, e100123.	1.1	43
402	Development of a Composite Measure of Product Adherence, Protocol Compliance, and Semen Exposure Using DNA and Protein Biomarkers for Topical HIV Prevention Studies. PLoS ONE, 2014, 9, e114368.	1.1	4
403	Molecular Biomarkers: The Development of MRNA Multiplex RT-PCR assay for the Definitive Identification of Semen. MOJ Toxicology, 2015, 1, .	0.2	2
404	Sensitivity and Intertextile variance of amylase paper for saliva detection. Journal of Forensic Science and Research, 2020, 4, 001-003.	0.1	3
405	MicroRNAs: An Update of Applications in Forensic Science. Diagnostics, 2021, 11, 32.	1.3	39
406	PCR Applications in Identification of Saliva Samples Exposed to Different Conditions (Streptococci) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	4
407	Detection of inaccessible head and neck lesions using human saliva and fluorescence spectroscopy. Lasers in Medical Science, 2022, 37, 1821-1827.	1.0	3
408	Opportunity of objective account of the colorimetric procedure using benzidine indicative at establishing the preliminary presence of blood on the material evidences. UÄenye Zapiski Sankt-Peterburgskogo Gosudarstvennogo Medicinskogo Universiteta Im Akad I P Pavlova, 2015, 22, 71-72.	0.0	0
409	Influencia de los soportes, tiempo, origen e interferentes en la observaciÃ³n de fluidos biolÃ³gicos con luces forenses. Colombia Forense, 2015, 2, 43.	0.0	0
410	Beyond DNA: Epigenetics and Proteomics in Forensic Science. Themis, 2016, 4, .	0.1	4
413	The Effect of Fabric Type and Laundering Conditions on the Detection of Semen Stains. International Journal of Forensic Sciences, 2017, 2, .	0.0	3
414	A interferÃªncia da soluÃ§Ã£o de luminol em teste imunocromatogrÃ¡fico para pesquisa de sangue humano. Revista Brasileira De CriminalÃstica, 2017, 6, 17-22.	0.1	0
415	Comparative study between diagnostic mediums: human tissue and saliva for oral cancer detection using Stokes shift spectroscopy. , 2018, , .		0
416	Bioanalytical Advancements in the Reliable Visualization and Discrimination of Bodily Fluids. Advanced Sciences and Technologies for Security Applications, 2019, , 75-102.	0.4	0

#	Article	IF	Citations
417	Evaluation of the usefulness of the alternative light source (ALS) in differentiating simulated bloodstains. Postepy Higieny I Medycyny Doswiadczalnej, 2019, 73, 32-37.	0.1	2
418	Epigenetics to Solve Crimes. RSC Detection Science, 2019, , 253-274.	0.0	0
419	Forensic Sampling and Sample Preparation. RSC Detection Science, 2019, , 7-35.	0.0	0
420	ValidaciÃ³n de la prueba confirmativa de Takayama para identificaciÃ³n de sangre en manchas. Scientia Et Technica, 2019, 24, 140.	0.1	0
421	The appropriateness of analysing some known micro-RNAs to detect the presence of semen in old stains. Forensic Science International: Genetics Supplement Series, 2019, 7, 498-500.	0.1	0
422	Legal Aspects of Forensic DNA Typing. , 2020, , 607-628.		2
424	Peak correlation classifier (PCC) applied to FTIR spectra: a novel means of identifying toxic substances in mixtures. IET Signal Processing, 2020, 14, 737-744.	0.9	1
425	A new approach for forensic analysis of saliva-containing body fluid mixtures based on SNPs and methylation patterns of nearby CpGs. Forensic Science International: Genetics, 2022, 56, 102624.	1.6	10
426	Kinship assignment with the ForenSeqâ„¢ DNA Signature Prep Kit: Sources of error in simulated and real cases. Science and Justice - Journal of the Forensic Science Society, 2022, 62, 1-9.	1.3	4
427	Sperm hunting on optical microscope slides for forensic analysis with deep convolutional networks â€“ a feasibility study. Forensic Science International: Genetics, 2022, 56, 102602.	1.6	6
428	Potential of DNA Technique-Based Body Fluid Identification. , 2021, , 1-17.		0
429	The use of objective adherence measures targeting four placebo microbicide delivery forms in the Quatro Clinical Crossover Study. Clinical and Translational Discovery, 2021, 1, e13.	0.2	0
430	Finding blood in the dark: A comparison of infrared imaging devices for the detection of bloodstains on dark fabrics based on their resolution. Forensic Science International, 2022, 330, 111124.	1.3	3
431	A new strategy for distinguishing menstrual blood from peripheral blood by the miR-451a/miR-21-5p ratio. Forensic Science International: Genetics, 2022, 57, 102654.	1.6	6
432	Raman Spectroscopy for Forensic Identification of Body Fluid Traces: Method Validation for Potential False Negatives Caused by Blood-Affecting Diseases. American Journal of Analytical Chemistry, 2022, 13, 1-8.	0.3	6
433	Simultaneous quantification of urea, uric acid, and creatinine in human urine by liquid chromatography/mass spectrometry. Legal Medicine, 2022, 55, 102011.	0.6	11
434	Raman-based identification of tick species (Ixodidae) by spectroscopic analysis of their feces. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120966.	2.0	2
435	Drug toxicity and forensic pharmacokinetics. , 2022, , 425-486.		1

#	Article	IF	Citations
436	A simplified protocol for the detection of blood, saliva, and semen from a single biological trace using immunochromatographic tests. Forensic Science, Medicine, and Pathology, 2022, 18, 141-148.	0.6	6
437	MicroRNAs in Various Body Fluids and their Importance in Forensic Medicine. Mini-Reviews in Medicinal Chemistry, 2022, 22, 2332-2343.	1.1	1
438	The Quality of MT-loop DNA Segment of Smokers and Nonsmokers in Lagos, Nigeria for Possible use in Forensic Biology. Brazilian Journal of Forensic Sciences, Medical Law and Bioethics, 2022, 11, 93-110.	0.2	0
439	Source level interpretation of mixed biological stains using coding region SNPs. Forensic Science International: Genetics, 2022, 59, 102685.	1.6	5
440	Spot tests: past and present. ChemTexts, 2022, 8, 4.	1.0	7
441	Potential of DNA Technique-Based Body Fluid Identification. , 2022, , 321-337.		1
442	A comparative study of commercial real-time reverse transcription PCR kits for forensic body fluid identification. Australian Journal of Forensic Sciences, 2023, 55, 656-669.	0.7	0
443	Non-destructive age estimation of biological fluid stains: An integrated analytical strategy based on near-infrared hyperspectral imaging and multivariate regression. Talanta, 2022, 245, 123472.	2.9	4
445	Stability of selected microRNAs in human blood, semen and saliva samples exposed to different environmental conditions. Forensic Science International, 2022, 336, 111338.	1.3	6
446	Improving the Molecular Diagnosis of Malaria: Droplet Digital PCR-Based Method Using Saliva as a DNA Source. Frontiers in Microbiology, 2022, 13, .	1.5	6
447	Typing of semen-containing mixtures using ARMS-based semen-specific CpG-InDel/STR markers. International Journal of Legal Medicine, 2022, 136, 1163-1176.	1.2	2
448	Sexually transmitted doping: The impact of urine contamination of semen. Drug Testing and Analysis, 2022, 14, 1623-1628.	1.6	7
449	Raman Spectroscopy Enables Confirmatory Diagnostics of Fusarium Wilt in Asymptomatic Banana. Frontiers in Plant Science, 0, 13, .	1.7	0
450	Insights Into Bloodstain Degradation and Time Since Deposition Estimation Using Electrochemistry. Frontiers in Analytical Science, 0, 2, .	1.1	4
451	SARS-CoV-2 inactivation by ultraviolet radiation and visible light is dependent on wavelength and sample matrix. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112503.	1.7	18
452	Electrochemical sensing of chlorpyrifos, a carcinogen responsible for breast cancer, in milk and plasma of lactating mothers. Electroanalysis, 0, , .	1.5	1
453	Method of identification: Catching serial killers. Forensic Science International, 2022, 337, 111377.	1.3	1
454	Evaluation of three commercial kits effective identification of menstrual blood based on the D-dimer. Forensic Science International, 2022, 338, 111389.	1.3	3

#	Article	IF	Citations
455	Transfer, persistence and recovery of DNA and mRNA vaginal mucosa markers after intimate and social contact with Bayesian network analysis for activity level reporting. Forensic Science International: Genetics, 2022, 60, 102750.	1.6	9
456	Labelâ€free laser spectroscopy for respiratory virus detection: A review. Journal of Biophotonics, 2022, 15, .	1.1	4
459	A Comprehensive Characterization of Small RNA Profiles by Massively Parallel Sequencing in Six Forensic Body Fluids/Tissue. Genes, 2022, 13, 1530.	1.0	4
460	Estimating Time since Deposition of Bloodstains by Scanning Electrochemical Microscopy. ChemElectroChem, 0, , .	1.7	3
461	Raman spectroscopy for the determination of forensically important bio-fluids. Forensic Science International, 2022, 340, 111441.	1.3	5
462	Surface-enhanced Raman spectroscopy enables highly accurate identification of different brands, types and colors of hair dyes. Talanta, 2023, 251, 123762.	2.9	9
463	Microbiome analysis: An emerging forensic investigative tool. Forensic Science International, 2022, 340, 111462.	1.3	7
464	Time Since Deposition of Oral Fluid Stains Studied by Chemometrics-Assisted ATR FTIR Spectroscopy. SSRN Electronic Journal, 0, , .	0.4	0
465	A Fast and Compact Hybrid CNN for Hyperspectral Imaging-based Bloodstain Classification. , 2022, , .		9
466	The Perfect Match: Assessment of Sample Collection Efficiency for Immunological and Molecular Findings in Different Types of Fabrics. International Journal of Molecular Sciences, 2022, 23, 10686.	1.8	4
467	Attenuated total reflection-Fourier transform infrared spectroscopy: a universal analytical technique with promising applications in forensic analyses. International Journal of Legal Medicine, 2022, 136, 1717-1736.	1.2	9
468	Overview of Biofluids and Flow Sensing Techniques Applied in Clinical Practice. Sensors, 2022, 22, 6836.	2.1	5
469	Do Circulating Redox Biomarkers Have Diagnostic Significance in Alcohol-Intoxicated People?. International Journal of Molecular Sciences, 2022, 23, 11808.	1.8	2
470	Development of a rapid, inâ€situ analysis method using sheathâ€flow probe electrospray ionisationâ€mass spectrometry for the direct identification of cocaine metabolites in dried blood spots. Rapid Communications in Mass Spectrometry, 2023, 37, .	0.7	4
471	One-click device for rapid visualization and extraction of latent evidence through multi-moding light source integration and light-guiding technology. Scientific Reports, 2022, 12, .	1.6	0
472	Body Fluid Identification by mRNA and MicroRNA. , 2023, , 390-401.		0
473	Semen. , 2023, , 421-431.		0
474	Evaluating the sensitivity of presumptive and confirmatory tests for body fluids. Forensic Science International: Genetics Supplement Series, 2022, 8, 276-278.	0.1	3

#	Article	IF	Citations
475	Emerging Raman spectroscopy and saliva-based diagnostics: from challenges to applications. Applied Spectroscopy Reviews, 0, , 1-38.	3.4	8
476	Impact of Envenomation With Snake Venoms on Rabbit Carcass Decomposition and Differential Adult Dipteran Succession Patterns. Journal of Medical Entomology, 2023, 60, 40-50.	0.9	2
477	Impact of DNA evidence in criminal justice system: Indian legislative perspectives. Egyptian Journal of Forensic Sciences, 2022, 12, .	0.4	3
478	Development of a Simple Cell Harvesting Method to Maximise DNA Recovery from Historic Microscope Slides for Sexual Assault Investigations. Forensic Sciences, 2022, 2, 795-807.	0.8	0
480	Innovative Vibrational Spectroscopy Research for Forensic Application. Analytical Chemistry, 2023, 95, 167-205.	3.2	21
481	Evaluation of the detectability of different ages of bloodstains on fabrics in different washing conditions and at various wavelengths. Journal of Clinical Forensic and Legal Medicine, 2023, 94, 102486.	0.5	0
482	Detecting STR profiles from degrading menstrual blood samples and their use as possible evidence in forensic investigations. Forensic Science International, 2023, 343, 111562.	1.3	2
483	From crime scene to courtroom: A review of the current bioanalytical evidence workflows used in rape and sexual assault investigations in the United Kingdom. Science and Justice - Journal of the Forensic Science Society, 2023, 63, 206-228.	1.3	5
484	Raman spectroscopy for the identification of body fluid traces: Semen and vaginal fluid mixture. Forensic Chemistry, 2023, 32, 100468.	1.7	3
485	Microbiome-Based Stain Analyses in Crime Scenes. Applied and Environmental Microbiology, 2023, 89, .	1.4	4
486	A comprehensive study into false positive rates for â€˜otherâ€™ biological samples using common presumptive testing methods. Science and Justice - Journal of the Forensic Science Society, 2023, 63, 414-420.	1.3	2
487	One-step endpoint RT-PCR assays for confirmatory body fluid identification. Forensic Science International: Genetics, 2023, 64, 102856.	1.6	0
488	Source determination of human and animal oral fluid stains on porous substrates by chemometrics-assisted ATR FTIR spectroscopy: A preliminary study. Microchemical Journal, 2023, 190, 108648.	2.3	4
489	Overcoming obstacles: Analysis of blood and semen stains washed with different chemicals with ATR-FTIR. Forensic Science International, 2023, 344, 111607.	1.3	3
490	Specific fluorescent signatures for body fluid identification using fluorescence spectroscopy. Scientific Reports, 2023, 13, .	1.6	3
491	Body Fluid Identification in Samples Collected after Intimate and Social Contact: A Comparison of Two mRNA Profiling Methods and the Additional Information Gained by cSNP Genotypes. Genes, 2023, 14, 636.	1.0	0
492	Recent advancements in identification and detection of saliva as forensic evidence: a review. Egyptian Journal of Forensic Sciences, 2023, 13, .	0.4	3
493	A novel Raman spectroscopic method for detecting traces of blood on an interfering substrate. Scientific Reports, 2023, 13, .	1.6	5

#	Article	IF	Citations
494	Detection of Oral Cancer Using the Fluorescence Spectroscopy and Classification of Different Stages of Cancer by Multivariate Analysis. , 2022, , .		0
495	Validation of a novel fluorescent probe-based real-time PCR assay to detect saliva-specific unmethylated CpG sites for saliva identification. Legal Medicine, 2023, 63, 102260.	0.6	1
497	Nanomaterial-Based Bio-Detection. Advances in Digital Crime, Forensics, and Cyber Terrorism, 2023, , 187-203.	0.4	0
506	A Review on Microbial Species for Forensic Body Fluid Identification in Healthy and Diseased Humans. Current Microbiology, 2023, 80, .	1.0	1
507	Sweat analysis for urea sensing: trends and challenges. Analytical Methods, 0, , .	1.3	0
508	Evaluating the Effects of Metals and EDTA on the Rate of Reaction of the Hemastix Presumptive Test for Blood. ACS Symposium Series, 0, , 151-160.	0.5	0
514	Investigation of FAD and porphyrin bands and correlation of change in porphyrin content of head and neck cancer patients with COVID-19 using biomaterials and fluorescence spectroscopy. AIP Conference Proceedings, 2023, , .	0.3	0
520	Applications of Raman spectroscopy in the analysis of biological evidence. Forensic Science, Medicine, and Pathology, 0, , .	0.6	0
522	Body Fluid Identification by Nanoparticle Enhanced LDI MS. , 2023, , .		0
528	Use of Advanced Molecular Techniques for Human Body Fluids Detection. , 2023, , 11-21.		0
531	NGS-based detection and differentiation of forensically relevant body fluids using conventional, molecular, and microbial techniques. , 2024, , 425-450.		0
536	Forensic applications of NGS-based microRNA analysis. , 2024, , 357-374.		0
537	Fluorescence developments for the nondestructive analysis of forensic fiber evidence. Data Handling in Science and Technology, 2024, , 83-110.	3.1	0