FÃ©lix Zapata

List of Publications by Year
in descending order

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32 papers	671 citations	567281 15 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	766 citing authors

#	Article	IF	Citations
1	Occurrence and identification of microplastics along a beach in the Biosphere Reserve of Lanzarote. Marine Pollution Bulletin, 2019, 143, 220-227.	5.0	87
2	Emerging spectrometric techniques for the forensic analysis of body fluids. TrAC - Trends in Analytical Chemistry, 2015, 64, 53-63.	11.4	70
3	The discrimination of 72 nitrate, chlorate and perchlorate salts using IR and Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 535-542.	3.9	57
4	Detection and identification of explosives by surface enhanced Raman scattering. Applied Spectroscopy Reviews, 2016, 51, 227-262.	6.7	49
5	Study of consumer fireworks post-blast residues by ATR-FTIR. Talanta, 2016, 149, 257-265.	5.5	37
6	Differentiation of Body Fluid Stains on Fabrics Using External Reflection Fourier Transform Infrared Spectroscopy (FT-IR) and Chemometrics. Applied Spectroscopy, 2016, 70, 654-665.	2.2	35
7	Progressing the analysis of Improvised Explosive Devices: Comparative study for trace detection of explosive residues in handprints by Raman spectroscopy and liquid chromatography. Talanta, 2016, 161, 219-227.	5.5	33
8	Analysis of human bodily fluids on superabsorbent pads by ATR-FTIR. Talanta, 2017, 162, 634-640.	5.5	29
9	Chemical classification of new psychoactive substances (NPS). Microchemical Journal, 2021, 163, 105877.	4.5	26
10	Statistical approach for ATR-FTIR screening of semen in sexual evidence. Talanta, 2017, 174, 853-857.	5.5	23
11	Introducing ATR-FTIR Spectroscopy through Analysis of Acetaminophen Drugs: Practical Lessons for Interdisciplinary and Progressive Learning for Undergraduate Students. Journal of Chemical Education, 2021, 98, 2675-2686.	2.3	23
12	Human ultra-weak photon emission as non-invasive spectroscopic tool for diagnosis of internal states â€“ A review. Journal of Photochemistry and Photobiology B: Biology, 2021, 216, 112141.	3.8	18
13	Body Fluids and Spectroscopic Techniques in Forensics: A Perfect Match?. Journal of Forensic Medicine, 2016, 1, .	0.2	17
14	Revealing the location of semen, vaginal fluid and urine in stained evidence through near infrared chemical imaging. Talanta, 2017, 166, 292-299.	5.5	17
15	Determination of Nanogram Microparticles from Explosives after Real Open-Air Explosions by Confocal Raman Microscopy. Analytical Chemistry, 2016, 88, 6726-6733.	6.5	16
16	Forensic examination of textile fibres using Raman imaging and multivariate analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120695.	3.9	16
17	Analysis of different materials subjected to open-air explosions in search of explosive traces by Raman microscopy. Forensic Science International, 2017, 275, 57-64.	2.2	15
18	Interpreting the near infrared region of explosives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 81-87.	3.9	14

#	Article	IF	Citations
19	Multi-spectral imaging for the estimation of shooting distances. Forensic Science International, 2018, 282, 80-85.	2.2	12
20	Selective Monitoring of Oxyanion Mixtures by a Flow System with Raman Detection. Sensors, 2018, 18, 2196.	3.8	10
21	A practical beginnerâ€™s guide to Raman microscopy. Applied Spectroscopy Reviews, 0, , 1-24.	6.7	10
22	Prevalence study of drugs and new psychoactive substances in hair of ketamine consumers using a methanolic direct extraction prior to high-resolution mass spectrometry. Forensic Science International, 2021, 329, 111080.	2.2	9
23	Simple multispectral imaging approach for determining the transfer of explosive residues in consecutive fingerprints. Talanta, 2018, 184, 437-445.	5.5	8
24	Chemical Classification of Explosives. Critical Reviews in Analytical Chemistry, 2020, 51, 1-18.	3.5	8
25	Detection of microscopic traces of explosive residues on textile fabrics by Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 1668-1677.	2.5	7
26	Study of the adhesion of explosive residues to the finger and transfer to clothing and luggage. Science and Justice - Journal of the Forensic Science Society, 2018, 58, 415-424.	2.1	7
27	Probing the confinement of Î²-galactosidase into meso-macro porous silica by Raman spectroscopy. Microporous and Mesoporous Materials, 2019, 278, 149-155.	4.4	7
28	Identification of 2C-B in Hair by UHPLC-HRMS/MS. A Real Forensic Case. Toxics, 2021, 9, 170.	3.7	4
29	Comparison between computed tomography and silicone-casting methods to determine gunshot cavities in ballistic soap. International Journal of Legal Medicine, 2021, 135, 829-836.	2.2	3
30	Evaluation of an Ozone Chamber as a Routine Method to Decontaminate Firefightersâ€™ PPE. International Journal of Environmental Research and Public Health, 2021, 18, 10587.	2.6	3
31	Increment of spontaneous human biophoton emission caused by anger emotional states. Proof of concept. Microchemical Journal, 2021, 169, 106558.	4.5	1
32	Peer actions for a service learning project to prevent drug-facilitated sexual assaults. , 0, , .		0