

# FÃ©lix Zapata

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5946084/publications.pdf>

Version: 2024-02-01

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	Forensic examination of textile fibres using Raman imaging and multivariate analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120695.	3.9	16
2	Comparison between computed tomography and silicone-casting methods to determine gunshot cavities in ballistic soap. <i>International Journal of Legal Medicine</i> , 2021, 135, 829-836.	2.2	3
3	Chemical classification of new psychoactive substances (NPS). <i>Microchemical Journal</i> , 2021, 163, 105877.	4.5	26
4	Human ultra-weak photon emission as non-invasive spectroscopic tool for diagnosis of internal states – A review. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 216, 112141.	3.8	18
5	Identification of 2C-B in Hair by UHPLC-HRMS/MS. A Real Forensic Case. <i>Toxics</i> , 2021, 9, 170.	3.7	4
6	Introducing ATR-FTIR Spectroscopy through Analysis of Acetaminophen Drugs: Practical Lessons for Interdisciplinary and Progressive Learning for Undergraduate Students. <i>Journal of Chemical Education</i> , 2021, 98, 2675-2686.	2.3	23
7	Increment of spontaneous human biophoton emission caused by anger emotional states. Proof of concept. <i>Microchemical Journal</i> , 2021, 169, 106558.	4.5	1
8	Evaluation of an Ozone Chamber as a Routine Method to Decontaminate Firefighters' PPE. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10587.	2.6	3
9	Prevalence study of drugs and new psychoactive substances in hair of ketamine consumers using a methanolic direct extraction prior to high-resolution mass spectrometry. <i>Forensic Science International</i> , 2021, 329, 111080.	2.2	9
10	Chemical Classification of Explosives. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 51, 1-18.	3.5	8
11	Occurrence and identification of microplastics along a beach in the Biosphere Reserve of Lanzarote. <i>Marine Pollution Bulletin</i> , 2019, 143, 220-227.	5.0	87
12	Probing the confinement of Î²-galactosidase into meso-macro porous silica by Raman spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 149-155.	4.4	7
13	Simple multispectral imaging approach for determining the transfer of explosive residues in consecutive fingerprints. <i>Talanta</i> , 2018, 184, 437-445.	5.5	8
14	The discrimination of 72 nitrate, chlorate and perchlorate salts using IR and Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 535-542.	3.9	57
15	Selective Monitoring of Oxyanion Mixtures by a Flow System with Raman Detection. <i>Sensors</i> , 2018, 18, 2196.	3.8	10
16	Detection of microscopic traces of explosive residues on textile fabrics by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1668-1677.	2.5	7
17	Study of the adhesion of explosive residues to the finger and transfer to clothing and luggage. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2018, 58, 415-424.	2.1	7
18	Interpreting the near infrared region of explosives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 81-87.	3.9	14

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19	Multi-spectral imaging for the estimation of shooting distances. Forensic Science International, 2018, 282, 80-85.	2.2	12
20	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
21	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
22	Statistical approach for ATR-FTIR screening of semen in sexual evidence. Talanta, 2017, 174, 853-857.	5.5	23
23	Analysis of human bodily fluids on superabsorbent pads by ATR-FTIR. Talanta, 2017, 162, 634-640.	5.5	29
24	Body Fluids and Spectroscopic Techniques in Forensics: A Perfect Match?. Journal of Forensic Medicine, 2016, 1, .	0.2	17
25	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
26	Determination of Nanogram Microparticles from Explosives after Real Open-Air Explosions by Confocal Raman Microscopy. Analytical Chemistry, 2016, 88, 6726-6733.	6.5	16
27	Detection and identification of explosives by surface enhanced Raman scattering. Applied Spectroscopy Reviews, 2016, 51, 227-262.	6.7	49
28	Study of consumer fireworks post-blast residues by ATR-FTIR. Talanta, 2016, 149, 257-265.	5.5	37
29	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
30	Emerging spectrometric techniques for the forensic analysis of body fluids. TrAC - Trends in Analytical Chemistry, 2015, 64, 53-63.	11.4	70
31	A practical beginner's guide to Raman microscopy. Applied Spectroscopy Reviews, 0, , 1-24.	6.7	10
32	Peer actions for a service learning project to prevent drug-facilitated sexual assaults. , 0, , .		0