Eugenio Alladio

List of Publications by Year
in descending order

48 papers	**631** citations	623734 **14** h-index	677142 **22** g-index
49 all docs	**49** docs citations	**49** times ranked	**840** citing authors

#	Article	IF	Citations
1	Development and validation of a UHPLC-HRMS-QTOF method for the detection of 132 New Psychoactive Substances and synthetic opioids, including fentanyl, in Dried Blood Spots. Talanta, 2022, 241, 123265.	5.5	8
2	Comprehensive biomarker profiles and chemometric filtering of urinary metabolomics for effective discrimination of prostate carcinoma from benign hyperplasia. Scientific Reports, 2022, 12, 4361.	3.3	1
3	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.	5.5	4
4	Rationalization of TS-1 synthesis through the design of experiments. Inorganic Chemistry Frontiers, 2022, 9, 3372-3383.	6.0	5
5	Multivariate statistical approach and machine learning for the evaluation of biogeographical ancestry inference in the forensic field. Scientific Reports, 2022, 12, .	3.3	11
6	Optimization and validation of a GC–MS quantitative method for the determination of an extended estrogenic profile in human urine: Variability intervals in a population of healthy women. Biomedical Chromatography, 2021, 35, e4967.	1.7	0
7	Prospective evaluation of urinary steroids and prostate carcinoma-induced deviation: preliminary results. Minerva Urology and Nephrology, 2021, 73, 98-106.	2.5	4
8	The Impact of COVID-19 Pandemic and Lockdown on Alcohol Consumption: A Perspective From Hair Analysis. Frontiers in Psychiatry, 2021, 12, 632519.	2.6	9
9	Untargeted Metabolomics in Forensic Toxicology: A New Approach for the Detection of Fentanyl Intake in Urine Samples. Molecules, 2021, 26, 4990.	3.8	3
10	Forecasting the COVID-19 Epidemic By Integrating Symptom Search Behavior Into Predictive Models: Infoveillance Study. Journal of Medical Internet Research, 2021, 23, e28876.	4.3	18
11	The "DOLPHINS" Project: A Low-Cost Real-Time Multivariate Process Control From Large Sensor Arrays Providing Sparse Binary Data. Frontiers in Chemistry, 2021, 9, 734132.	3.6	1
12	Thermo-Analytical and Compatibility Study with Mechanistic Explanation of Degradation Kinetics of Ambroxol Hydrochloride Tablets under Non-Isothermal Conditions. Pharmaceutics, 2021, 13, 1910.	4.5	6
13	Toward a novel framework for bloodstains dating by Raman spectroscopy: How to avoid sample photodamage and subsampling errors. Talanta, 2020, 209, 120565.	5.5	25
14	A multivariate statistical approach for the estimation of the ethnic origin of unknown genetic profiles in forensic genetics. Forensic Science International: Genetics, 2020, 45, 102209.	3.1	14
15	Ethnic fragmentation and degree of urbanization strongly affect the discrimination power of Y-STR haplotypes in central Sahel. Forensic Science International: Genetics, 2020, 49, 102374.	3.1	10
16	Evaluation of Forensic Data Using Logistic Regression-Based Classification Methods and an R Shiny Implementation. Frontiers in Chemistry, 2020, 8, 738.	3.6	4
17	Application of Chemometrics Tools to the Study of the Fe(III)–Tannic Acid Interaction. Frontiers in Chemistry, 2020, 8, 614171.	3.6	6
18	Experimental and statistical protocol for the effective validation of chromatographic analytical methods. MethodsX, 2020, 7, 100919.	1.6	11

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19	Improving discrimination of Raman spectra by optimising preprocessing strategies on the basis of the ability to refine the relationship between variance components. Chemometrics and Intelligent Laboratory Systems, 2020, 202, 104029.	3.5	24
20	Identification of invisible biological traces in forensic evidences by hyperspectral NIR imaging combined with chemometrics. Talanta, 2020, 215, 120911.	5.5	28
21	Effective validation of chromatographic analytical methods: The illustrative case of androgenic steroids. Talanta, 2020, 215, 120867.	5.5	29
22	Hair analysis can provide additional information in doping and forensic cases involving clostebol. Drug Testing and Analysis, 2019, 11, 95-101.	2.6	13
23	Evidence of seasonal variation of ethyl glucuronide in hair: Modeling a seven‐year data series. Drug Testing and Analysis, 2019, 11, 77-85.	2.6	4
24	Multivariate interpretation of the urinary steroid profile and training‐induced modifications. The case study of a Marathon runner. Drug Testing and Analysis, 2019, 11, 1556-1565.	2.6	9
25	Individual and cyclic estrogenic profile in women: Structure and variability of the data. Steroids, 2019, 150, 108432.	1.8	4
26	Oxovanadium(IV) Coordination Compounds with Kojic Acid Derivatives in Aqueous Solution. Molecules, 2019, 24, 3768.	3.8	9
27	Untargeted Metabolomic Profile for the Detection of Prostate Carcinoma—Preliminary Results from PARAFAC2 and PLS‐DA Models. Molecules, 2019, 24, 3063.	3.8	15
28	Novel "Matrix-Corrected Calibration" study for the detection of polyunsaturated fatty acids (PUFAs) in plasma and erythrocytes by means of a gas chromatography-mass spectrometry approach optimized to follow up long-term parental patients. Journal of Pharmaceutical and Biomedical Analysis, 2019, 176, 112764.	2.8	1
29	Functionalized nanoporous gold as a new biosensor platform for ultra-low quantitative detection of human serum albumin. Sensors and Actuators B: Chemical, 2019, 288, 460-468.	7.8	21
30	LOW DISCRIMINATION POWER OF THE YFILER™ PLUS PCR AMPLIFICATION KIT IN AFRICAN POPULATIONS. DO WE NEED MORE RM Y-STRs?. Forensic Science International: Genetics Supplement Series, 2019, 7, 671-673.	0.3	5
31	Colour-encoded lateral flow immunoassay for the simultaneous detection of aflatoxin B1 and type-B fumonisins in a single Test line. Talanta, 2019, 192, 288-294.	5.5	89
32	MP18-01 PRELIMINARY RESULTS OF PROSPECTIVE EVALUATION OF URINARY ENDOGENOUS STEROID PROFILE AND PROSTATIC CARCINOMA-INDUCED DEVIATION.. Journal of Urology, 2019, 201, .	0.4	1
33	A multivariate statistical approach to for the evaluation of the biogeographical ancestry information from traditional STRs. Forensic Science International: Genetics Supplement Series, 2019, 7, 253-255.	0.3	0
34	New insights into the protogenic and spectroscopic properties of commercial tannic acid: the role of gallic acid impurities. New Journal of Chemistry, 2018, 42, 7703-7712.	2.8	25
35	Development and validation of a Partial Least Squares-Discriminant Analysis (PLS-DA) model based on the determination of ethyl glucuronide (EtG) and fatty acid ethyl esters (FAEEs) in hair for the diagnosis of chronic alcohol abuse. Forensic Science International, 2018, 282, 221-230.	2.2	14
36	Correlation between chronological and physiological age of males from their multivariate urinary endogenous steroid profile and prostatic carcinoma-induced deviation. Steroids, 2018, 139, 10-17.	1.8	9

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37	Systematic optimisation of ethyl glucuronide extraction conditions from scalp hair by design of experiments and its potential effect on cut-off values appraisal. Drug Testing and Analysis, 2018, 10, 1394-1403.	2.6	13
38	Determining Cu–Speciation in the Cu–CHA Zeolite Catalyst: The Potential of Multivariate Curve Resolution Analysis of In Situ XAS Data. Topics in Catalysis, 2018, 61, 1396-1407.	2.8	28
39	DNA mixtures interpretation – A proof-of-concept multi-software comparison highlighting different probabilistic methods' performances on challenging samples. Forensic Science International: Genetics, 2018, 37, 143-150.	3.1	44
40	Evaluation of direct and indirect ethanol biomarkers using a likelihood ratio approach to identify chronic alcohol abusers for forensic purposes. Forensic Science International, 2017, 271, 13-22.	2.2	20
41	Direct and indirect alcohol biomarkers data collected in hair samples - multivariate data analysis and likelihood ratio interpretation perspectives. Data in Brief, 2017, 12, 1-8.	1.0	7
42	Determination of endogenous and exogenous corticosteroids in bovine urine and effect of fighting stress during the "Batailles des Reines" on their biosynthesis. Research in Veterinary Science, 2017, 114, 423-429.	1.9	4
43	"One-pot" ethyl chloroformate derivatization and liquid-liquid extraction of reduced glutathione in erythrocyte and its quantitative GC–MS analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1070, 15-22.	2.3	7
44	Application of multivariate statistics to the Steroidal Module of the Athlete Biological Passport: A proof of concept study. Analytica Chimica Acta, 2016, 922, 19-29.	5.4	12
45	Effects of various sample pretreatment procedures on ethyl glucuronide quantification in hair samples: Comparison of positivity rates and appraisal of cut-off values. Forensic Science International, 2016, 267, 60-65.	2.2	23
46	Development and validation of a GC–MS method for nicotine detection in Calliphora vomitoria (L.) (Diptera: Calliphoridae). Forensic Science International, 2016, 261, 53-60.	2.2	19
47	Chemometric approach to open validation protocols. Analytica Chimica Acta, 2015, 878, 78-86.	5.4	3
48	An alternative application of the consensus method to DNA typing interpretation for Low Template-DNA mixtures. Forensic Science International: Genetics Supplement Series, 2015, 5, e422-e424.	0.3	11