

# Eugenio Alladio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2089757/publications.pdf>

Version: 2024-02-01

48  
papers

631  
citations

623574

14  
h-index

677027

22  
g-index

49  
all docs

49  
docs citations

49  
times ranked

840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colour-encoded lateral flow immunoassay for the simultaneous detection of aflatoxin B1 and type-B fumonisins in a single Test line. <i>Talanta</i> , 2019, 192, 288-294.	2.9	89
2	DNA mixtures interpretation – A proof-of-concept multi-software comparison highlighting different probabilistic methods’ performances on challenging samples. <i>Forensic Science International: Genetics</i> , 2018, 37, 143-150.	1.6	44
3	Effective validation of chromatographic analytical methods: The illustrative case of androgenic steroids. <i>Talanta</i> , 2020, 215, 120867.	2.9	29
4	Determining Cu’ Speciation in the Cu’CHA Zeolite Catalyst: The Potential of Multivariate Curve Resolution Analysis of In Situ XAS Data. <i>Topics in Catalysis</i> , 2018, 61, 1396-1407.	1.3	28
5	Identification of invisible biological traces in forensic evidences by hyperspectral NIR imaging combined with chemometrics. <i>Talanta</i> , 2020, 215, 120911.	2.9	28
6	New insights into the protogenic and spectroscopic properties of commercial tannic acid: the role of gallic acid impurities. <i>New Journal of Chemistry</i> , 2018, 42, 7703-7712.	1.4	25
7	Toward a novel framework for bloodstains dating by Raman spectroscopy: How to avoid sample photodamage and subsampling errors. <i>Talanta</i> , 2020, 209, 120565.	2.9	25
8	Improving discrimination of Raman spectra by optimising preprocessing strategies on the basis of the ability to refine the relationship between variance components. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 202, 104029.	1.8	24
9	Effects of various sample pretreatment procedures on ethyl glucuronide quantification in hair samples: Comparison of positivity rates and appraisal of cut-off values. <i>Forensic Science International</i> , 2016, 267, 60-65.	1.3	23
10	Functionalized nanoporous gold as a new biosensor platform for ultra-low quantitative detection of human serum albumin. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 460-468.	4.0	21
11	Evaluation of direct and indirect ethanol biomarkers using a likelihood ratio approach to identify chronic alcohol abusers for forensic purposes. <i>Forensic Science International</i> , 2017, 271, 13-22.	1.3	20
12	Development and validation of a GC’MS method for nicotine detection in <i>Calliphora vomitoria</i> (L.) (Diptera: Calliphoridae). <i>Forensic Science International</i> , 2016, 261, 53-60.	1.3	19
13	Forecasting the COVID-19 Epidemic By Integrating Symptom Search Behavior Into Predictive Models: Inveillance Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e28876.	2.1	18
14	Untargeted Metabolomic Profile for the Detection of Prostate Carcinoma’ Preliminary Results from PARAFAC2 and PLS’DA Models. <i>Molecules</i> , 2019, 24, 3063.	1.7	15
15	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. <i>Forensic Science International</i> , 2018, 282, 221-230.	1.3	14
16	A multivariate statistical approach for the estimation of the ethnic origin of unknown genetic profiles in forensic genetics. <i>Forensic Science International: Genetics</i> , 2020, 45, 102209.	1.6	14
17	Systematic optimisation of ethyl glucuronide extraction conditions from scalp hair by design of experiments and its potential effect on cut’off values appraisal. <i>Drug Testing and Analysis</i> , 2018, 10, 1394-1403.	1.6	13
18	Hair analysis can provide additional information in doping and forensic cases involving clostebol. <i>Drug Testing and Analysis</i> , 2019, 11, 95-101.	1.6	13

#	ARTICLE	IF	CITATIONS
19	Application of multivariate statistics to the Steroidal Module of the Athlete Biological Passport: A proof of concept study. <i>Analytica Chimica Acta</i> , 2016, 922, 19-29.	2.6	12
20	An alternative application of the consensus method to DNA typing interpretation for Low Template-DNA mixtures. <i>Forensic Science International: Genetics Supplement Series</i> , 2015, 5, e422-e424.	0.1	11
21	Experimental and statistical protocol for the effective validation of chromatographic analytical methods. <i>MethodsX</i> , 2020, 7, 100919.	0.7	11
22	Multivariate statistical approach and machine learning for the evaluation of biogeographical ancestry inference in the forensic field. <i>Scientific Reports</i> , 2022, 12, .	1.6	11
23	Ethnic fragmentation and degree of urbanization strongly affect the discrimination power of Y-STR haplotypes in central Sahel. <i>Forensic Science International: Genetics</i> , 2020, 49, 102374.	1.6	10
24	Correlation between chronological and physiological age of males from their multivariate urinary endogenous steroid profile and prostatic carcinoma-induced deviation. <i>Steroids</i> , 2018, 139, 10-17.	0.8	9
25	Multivariate interpretation of the urinary steroid profile and training-induced modifications. The case study of a Marathon runner. <i>Drug Testing and Analysis</i> , 2019, 11, 1556-1565.	1.6	9
26	Oxovanadium(IV) Coordination Compounds with Kojic Acid Derivatives in Aqueous Solution. <i>Molecules</i> , 2019, 24, 3768.	1.7	9
27	The Impact of COVID-19 Pandemic and Lockdown on Alcohol Consumption: A Perspective From Hair Analysis. <i>Frontiers in Psychiatry</i> , 2021, 12, 632519.	1.3	9
28	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. <i>Talanta</i> , 2022, 241, 123265.	2.9	8
29	Direct and indirect alcohol biomarkers data collected in hair samples - multivariate data analysis and likelihood ratio interpretation perspectives. <i>Data in Brief</i> , 2017, 12, 1-8.	0.5	7
30	One-pot ethyl chloroformate derivatization and liquid-liquid extraction of reduced glutathione in erythrocyte and its quantitative GC-MS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1070, 15-22.	1.2	7
31	Application of Chemometrics Tools to the Study of the Fe(III)-Tannic Acid Interaction. <i>Frontiers in Chemistry</i> , 2020, 8, 614171.	1.8	6
32	Thermo-Analytical and Compatibility Study with Mechanistic Explanation of Degradation Kinetics of Ambroxol Hydrochloride Tablets under Non-Isothermal Conditions. <i>Pharmaceutics</i> , 2021, 13, 1910.	2.0	6
33	LOW DISCRIMINATION POWER OF THE YFILER <sup>®</sup> , PLUS PCR AMPLIFICATION KIT IN AFRICAN POPULATIONS. DO WE NEED MORE RM Y-STRs?. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 671-673.	0.1	5
34	Rationalization of TS-1 synthesis through the design of experiments. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3372-3383.	3.0	5
35	Determination of endogenous and exogenous corticosteroids in bovine urine and effect of fighting stress during the Batailles des Reines on their biosynthesis. <i>Research in Veterinary Science</i> , 2017, 114, 423-429.	0.9	4
36	Evidence of seasonal variation of ethyl glucuronide in hair: Modeling a seven-year data series. <i>Drug Testing and Analysis</i> , 2019, 11, 77-85.	1.6	4

#	ARTICLE	IF	CITATIONS
37	Individual and cyclic estrogenic profile in women: Structure and variability of the data. <i>Steroids</i> , 2019, 150, 108432.	0.8	4
38	Evaluation of Forensic Data Using Logistic Regression-Based Classification Methods and an R Shiny Implementation. <i>Frontiers in Chemistry</i> , 2020, 8, 738.	1.8	4
39	Prospective evaluation of urinary steroids and prostate carcinoma-induced deviation: preliminary results. <i>Minerva Urology and Nephrology</i> , 2021, 73, 98-106.	1.3	4
40	Non-destructive age estimation of biological fluid stains: An integrated analytical strategy based on near-infrared hyperspectral imaging and multivariate regression. <i>Talanta</i> , 2022, 245, 123472.	2.9	4
41	Chemometric approach to open validation protocols. <i>Analytica Chimica Acta</i> , 2015, 878, 78-86.	2.6	3
42	Untargeted Metabolomics in Forensic Toxicology: A New Approach for the Detection of Fentanyl Intake in Urine Samples. <i>Molecules</i> , 2021, 26, 4990.	1.7	3
43	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 176, 112764.	1.4	1
44	The "DOLPHINS" Project: A Low-Cost Real-Time Multivariate Process Control From Large Sensor Arrays Providing Sparse Binary Data. <i>Frontiers in Chemistry</i> , 2021, 9, 734132.	1.8	1
45	MP18-01 PRELIMINARY RESULTS OF PROSPECTIVE EVALUATION OF URINARY ENDOGENOUS STEROID PROFILE AND PROSTATIC CARCINOMA-INDUCED DEVIATION.. <i>Journal of Urology</i> , 2019, 201, .	0.2	1
46	Comprehensive biomarker profiles and chemometric filtering of urinary metabolomics for effective discrimination of prostate carcinoma from benign hyperplasia. <i>Scientific Reports</i> , 2022, 12, 4361.	1.6	1
47	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. <i>Biomedical Chromatography</i> , 2021, 35, e4967.	0.8	0
48	A multivariate statistical approach to for the evaluation of the biogeographical ancestry information from traditional STRs. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 253-255.	0.1	0