Emilio Marengo

List of Publications by Year
in descending order

31 papers	854 citations	516710 16 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1228 citing authors

#	Article	IF	Citations
1	Transcriptional Biomarkers and Immunohistochemistry for Detection of Illicit Dexamethasone Administration in Veal Calves. Foods, 2022, 11, 1810.	4.3	2
2	Kohonen Artificial Neural Network and Multivariate Analysis in the Identification of Proteome Changes during Early and Long Aging of Bovine Longissimus dorsi Muscle Using SWATH Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2021, 69, 11512-11522.	5.2	6
3	Fiat Lux ... how Alessandro Volta illuminated his scripts. Comptes Rendus Chimie, 2021, 24, 361-371.	0.5	2
4	New Insights into the Mechanism of Action of the Thienopyrimidine Antitubercular Prodrug TP053. ACS Infectious Diseases, 2020, 6, 313-323.	3.8	11
5	Investigating the Proteomic Profile of HT-29 Colon Cancer Cells After Lactobacillus kefiri SGL 13 Exposure Using the SWATH Method. Journal of the American Society for Mass Spectrometry, 2019, 30, 1690-1699.	2.8	13
6	Leonardo's Donna Nuda unveiled. Journal of Proteomics, 2019, 207, 103450.	2.4	18
7	Towards the non-invasive proteomic analysis of cultural heritage objects. Microchemical Journal, 2018, 139, 450-457.	4.5	31
8	Fast classification of hazelnut cultivars through portable infrared spectroscopy and chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 427-435.	3.9	51
9	Method for Noninvasive Analysis of Proteins and Small Molecules from Ancient Objects. Analytical Chemistry, 2017, 89, 3310-3317.	6.5	50
10	Direct Analysis in Real Time Mass Spectrometry for the Nondestructive Investigation of Conservation Treatments of Cultural Heritage. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-11.	1.6	17
11	Blood transcriptomics of drug-naÃ¯ve sporadic Parkinsonâ€™s disease patients. BMC Genomics, 2015, 16, 876.	2.8	64
12	Proteomic changes involved in tenderization of bovine Longissimus dorsi muscle during prolonged ageing. Food Chemistry, 2012, 135, 2052-2069.	8.2	109
13	Technique Based on LED Multispectral Imaging and Multivariate Analysis for Monitoring the Conservation State of the Dead Sea Scrolls. Analytical Chemistry, 2011, 83, 6609-6618.	6.5	29
14	Development of a technique based on multi-spectral imaging for monitoring the conservation of cultural heritage objects. Analytica Chimica Acta, 2011, 706, 229-237.	5.4	37
15	Proteins involved in biotic and abiotic stress responses as the most significant biomarkers in the ripening of Pinot Noir skins. Functional and Integrative Genomics, 2011, 11, 341-355.	3.5	31
16	Investigation of the applicability of Zernike moments to the classification of SDS 2D-PAGE maps. Analytical and Bioanalytical Chemistry, 2011, 400, 1419-1431.	3.7	7
17	The principle of exhaustiveness versus the principle of parsimony: a new approach for the identification of biomarkers from proteomic spot volume datasets based on principal component analysis. Analytical and Bioanalytical Chemistry, 2010, 397, 25-41.	3.7	37
18	A New Algorithm for the Simulation of Sodium Dodecil Sulfate Two-Dimensional Polyacrylamide Gel Electrophoresis Data Sets. Journal of Proteome Research, 2010, 9, 1864-1872.	3.7	3

#	Article	IF	Citations
19	Evaluation of signal and noise and identification of a suitable target function in the tuning of an ESI ion trap mass spectrometer by multivariate pattern recognition tools. Journal of the American Society for Mass Spectrometry, 2009, 20, 1859-1867.	2.8	5
20	Butene concentration prediction in ethylene/propylene/1-butene terpolymers by FT-IR spectroscopy through multivariate statistical analysis and artificial neural networks. Talanta, 2009, 77, 1111-1119.	5.5	9
21	Application of partial least squares discriminant analysis and variable selection procedures: a 2D-PAGE proteomic study. Analytical and Bioanalytical Chemistry, 2008, 390, 1327-1342.	3.7	48
22	A new method of comparing 2D-PAGE maps based on the computation of Zernike moments and multivariate statistical tools. Analytical and Bioanalytical Chemistry, 2008, 391, 1163-1173.	3.7	15
23	Development of calibration models for quality control in the production of ethylene/propylene copolymers by FTIR spectroscopy, multivariate statistical tools, and artificial neural networks. Journal of Applied Polymer Science, 2008, 109, 3975-3982.	2.6	6
24	Optimisation of sensitivity in the multi-elemental determination of 83 isotopes by ICP-MS as a function of 21 instrumental operative conditions by modified simplex, principal component analysis and partial least squares. Talanta, 2008, 76, 1224-1232.	5.5	7
25	Evaluation of the Variables Characterized by Significant Discriminating Power in the Application of SIMCA Classification Method to Proteomic Studies. Journal of Proteome Research, 2008, 7, 2789-2796.	3.7	13
26	2D-PAGE Maps Analysis. Methods in Molecular Biology, 2008, 428, 291-325.	0.9	15
27	Multivariate statistical tools applied to the characterization of the proteomic profiles of two human lymphoma cell lines by two-dimensional gel electrophoresis. Electrophoresis, 2006, 27, 484-494.	2.4	35
28	Numerical approaches for quantitative analysis of two-dimensional maps: A review of commercial software and home-made systems. Proteomics, 2005, 5, 654-666.	2.2	98
29	Monitoring of pigmented surfaces in accelerated ageing process by ATRâ€“FT-IR spectroscopy and multivariate control charts. Talanta, 2005, 66, 1158-1167.	5.5	15
30	Identification of the regulatory proteins in human pancreatic cancers treated with Trichostatin A by 2D-PAGE maps and multivariate statistical analysis. Analytical and Bioanalytical Chemistry, 2004, 379, 992-1003.	3.7	31
31	Study of proteomic changes associated with healthy and tumoral murine samples in neuroblastoma by principal component analysis and classification methods. Clinica Chimica Acta, 2004, 345, 55-67.	1.1	39