

# Emilio Marengo

## List of Publications by Year in descending order

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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	Proteomic changes involved in tenderization of bovine Longissimus dorsi muscle during prolonged ageing. <i>Food Chemistry</i> , 2012, 135, 2052-2069.	8.2	109
2	Numerical approaches for quantitative analysis of two-dimensional maps: A review of commercial software and home-made systems. <i>Proteomics</i> , 2005, 5, 654-666.	2.2	98
3	Blood transcriptomics of drug-naïve sporadic Parkinson's disease patients. <i>BMC Genomics</i> , 2015, 16, 876.	2.8	64
4	Fast classification of hazelnut cultivars through portable infrared spectroscopy and chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 427-435.	3.9	51
5	Method for Noninvasive Analysis of Proteins and Small Molecules from Ancient Objects. <i>Analytical Chemistry</i> , 2017, 89, 3310-3317.	6.5	50
6	Application of partial least squares discriminant analysis and variable selection procedures: a 2D-PAGE proteomic study. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1327-1342.	3.7	48
7	Study of proteomic changes associated with healthy and tumoral murine samples in neuroblastoma by principal component analysis and classification methods. <i>Clinica Chimica Acta</i> , 2004, 345, 55-67.	1.1	39
8	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. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 25-41.	3.7	37
9	Development of a technique based on multi-spectral imaging for monitoring the conservation of cultural heritage objects. <i>Analytica Chimica Acta</i> , 2011, 706, 229-237.	5.4	37
10	Multivariate statistical tools applied to the characterization of the proteomic profiles of two human lymphoma cell lines by two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2006, 27, 484-494.	2.4	35
11	Identification of the regulatory proteins in human pancreatic cancers treated with Trichostatin A by 2D-PAGE maps and multivariate statistical analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 992-1003.	3.7	31
12	Proteins involved in biotic and abiotic stress responses as the most significant biomarkers in the ripening of Pinot Noir skins. <i>Functional and Integrative Genomics</i> , 2011, 11, 341-355.	3.5	31
13	Towards the non-invasive proteomic analysis of cultural heritage objects. <i>Microchemical Journal</i> , 2018, 139, 450-457.	4.5	31
14	Technique Based on LED Multispectral Imaging and Multivariate Analysis for Monitoring the Conservation State of the Dead Sea Scrolls. <i>Analytical Chemistry</i> , 2011, 83, 6609-6618.	6.5	29
15	Leonardo's Donna Nuda unveiled. <i>Journal of Proteomics</i> , 2019, 207, 103450.	2.4	18
16	Direct Analysis in Real Time Mass Spectrometry for the Nondestructive Investigation of Conservation Treatments of Cultural Heritage. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-11.	1.6	17
17	Monitoring of pigmented surfaces in accelerated ageing process by ATR-FT-IR spectroscopy and multivariate control charts. <i>Talanta</i> , 2005, 66, 1158-1167.	5.5	15
18	A new method of comparing 2D-PAGE maps based on the computation of Zernike moments and multivariate statistical tools. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1163-1173.	3.7	15

#	ARTICLE	IF	CITATIONS
19	2D-PAGE Maps Analysis. <i>Methods in Molecular Biology</i> , 2008, 428, 291-325.	0.9	15
20	Evaluation of the Variables Characterized by Significant Discriminating Power in the Application of SIMCA Classification Method to Proteomic Studies. <i>Journal of Proteome Research</i> , 2008, 7, 2789-2796.	3.7	13
21	Investigating the Proteomic Profile of HT-29 Colon Cancer Cells After <i>Lactobacillus kefir</i> SGL 13 Exposure Using the SWATH Method. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1690-1699.	2.8	13
22	New Insights into the Mechanism of Action of the Thienopyrimidine Antitubercular Prodrug TP053. <i>ACS Infectious Diseases</i> , 2020, 6, 313-323.	3.8	11
23	Butene concentration prediction in ethylene/propylene/1-butene terpolymers by FT-IR spectroscopy through multivariate statistical analysis and artificial neural networks. <i>Talanta</i> , 2009, 77, 1111-1119.	5.5	9
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. <i>Talanta</i> , 2008, 76, 1224-1232.	5.5	7
25	Investigation of the applicability of Zernike moments to the classification of SDS 2D-PAGE maps. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1419-1431.	3.7	7
26	Development of calibration models for quality control in the production of ethylene/propylene copolymers by FTIR spectroscopy, multivariate statistical tools, and artificial neural networks. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3975-3982.	2.6	6
27	Kohonen Artificial Neural Network and Multivariate Analysis in the Identification of Proteome Changes during Early and Long Aging of Bovine <i>Longissimus dorsi</i> Muscle Using SWATH Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11512-11522.	5.2	6
28	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1859-1867.	2.8	5
29	A New Algorithm for the Simulation of Sodium Dodecil Sulfate Two-Dimensional Polyacrylamide Gel Electrophoresis Data Sets. <i>Journal of Proteome Research</i> , 2010, 9, 1864-1872.	3.7	3
30	Fiat Lux ... how Alessandro Volta illuminated his scripts. <i>Comptes Rendus Chimie</i> , 2021, 24, 361-371.	0.5	2
31	Transcriptional Biomarkers and Immunohistochemistry for Detection of Illicit Dexamethasone Administration in Veal Calves. <i>Foods</i> , 2022, 11, 1810.	4.3	2