

Dora Melucci

List of Publications by Year in descending order

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75
papers

1,365
citations

361413

20
h-index

377865

34
g-index

75
all docs

75
docs citations

75
times ranked

1714
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of platinum-group metals and lead in vegetable environmental bio-monitors by voltammetric and spectroscopic techniques: critical comparison. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1567-1573.	3.7	156
2	Rapid direct analysis to discriminate geographic origin of extra virgin olive oils by flash gas chromatography electronic nose and chemometrics. <i>Food Chemistry</i> , 2016, 204, 263-273.	8.2	121
3	The discrimination of honey origin using melissopalynology and Raman spectroscopy techniques coupled with multivariate analysis. <i>Food Chemistry</i> , 2015, 169, 297-304.	8.2	115
4	Determination of four <i>Alternaria alternata</i> mycotoxins by QuEChERS approach coupled with liquid chromatography-tandem mass spectrometry in tomato-based and fruit-based products. <i>Food Research International</i> , 2018, 106, 677-685.	6.2	73
5	Hyperlayer hollow-fiber flow field-flow fractionation of cells. <i>Journal of Chromatography A</i> , 2003, 985, 519-529.	3.7	60
6	RECENT HPLC STRATEGIES TO IMPROVE SENSITIVITY AND SELECTIVITY FOR THE ANALYSIS OF COMPLEX MATRICES. <i>Instrumentation Science and Technology</i> , 2012, 40, 112-137.	1.8	48
7	Toxic Metals in Herbal Medicines. A Review. <i>Current Bioactive Compounds</i> , 2014, 10, 181-188.	0.5	34
8	A new method for immunoassays using field-flow fractionation with on-line, continuous chemiluminescence detection. <i>Talanta</i> , 2003, 60, 303-312.	5.5	32
9	Working without Accumulation Membrane in Flow Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2000, 72, 5945-5954.	6.5	31
10	Standardless method for quantitative particle-size distribution studies by gravitational field-flow fractionation. Application to silica particles. <i>Chromatographia</i> , 2000, 51, 87-94.	1.3	30
11	A Quick and Efficient Non-Targeted Screening Test for Saffron Authentication: Application of Chemometrics to Gas-Chromatographic Data. <i>Molecules</i> , 2019, 24, 2602.	3.8	30
12	Trace level voltammetric determination of heavy metals and total mercury in tea matrices (<i>Camellia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.6	29
13	Field-flow fractionation of cells with chemiluminescence detection. <i>Journal of Chromatography A</i> , 2004, 1056, 229-236.	3.7	26
14	Floristic diversity in different urban ecological niches of a southern European city. <i>Scientific Reports</i> , 2018, 8, 15110.	3.3	26
15	Experimental study on the retention of silica particles in gravitational field-flow fractionation effects of the mobile phase composition. <i>Journal of Chromatography A</i> , 1996, 740, 245-252.	3.7	23
16	A Comparative Assessment of Biological Effects and Chemical Profile of Italian <i>Asphodeline lutea</i> Extracts. <i>Molecules</i> , 2018, 23, 461.	3.8	23
17	Voltammetric determination of ultra-trace total mercury and toxic metals in meals. <i>Food Chemistry</i> , 2012, 130, 460-466.	8.2	22
18	Calibration in thermal field flow fractionation with polydisperse standards: Application to polyolefin characterization. <i>Journal of Separation Science</i> , 2002, 25, 691-702.	2.5	21

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19	Flow field-flow fractionation with chemiluminescence detection for flow-assisted, multianalyte assays in heterogeneous phase. <i>Journal of Separation Science</i> , 2003, 26, 1417-1421.	2.5	21
20	Biocompatible channels for field-flow fractionation of biological samples: correlation between surface composition and operating performance. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 639-646.	3.7	20
21	A quantitative approach to the analysis of supermicron dispersions by field-flow fractionation with UV-vis detectors. The application of an absolute method. <i>Chromatographia</i> , 1997, 44, 172-178.	1.3	19
22	ATR-FTIR Spectroscopy, a New Non-Destructive Approach for the Quantitative Determination of Biogenic Silica in Marine Sediments. <i>Molecules</i> , 2019, 24, 3927.	3.8	19
23	Novel MIPs-Parabens based SPE Stationary Phases Characterization and Application. <i>Molecules</i> , 2019, 24, 3334.	3.8	18
24	Organic molecular markers and source contributions in a polluted municipality of north-east Italy: Extended PCA-PMF statistical approach. <i>Environmental Research</i> , 2020, 186, 109587.	7.5	18
25	Quantitative Analysis in Field-Flow Fractionation Using Ultraviolet-Visible Detectors: an Experimental Design for Absolute Measurements. <i>Journal of Chromatographic Science</i> , 2000, 38, 122-128.	1.4	17
26	Rapid <i>In Situ</i> Repeatable Analysis of Drugs in Powder Form Using Reflectance Near-Infrared Spectroscopy and Multivariate Calibration. <i>Journal of Forensic Sciences</i> , 2012, 57, 86-92.	1.6	17
27	Multivariate calibration in differential pulse stripping voltammetry using a home-made carbon-nanotubes paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 675, 25-31.	3.8	17
28	Application of Pyrolysis-Gas Chromatography-Mass Spectrometry and Multivariate Analysis to Study Bacteria and Fungi in Biofilms Used for Bioremediation. <i>Current Drug Targets</i> , 2013, 14, 1023-1033.	2.1	17
29	Quantitative approach to field-flow fractionation for the characterization of supermicron particles. <i>Journal of Separation Science</i> , 1997, 9, 545-556.	1.0	16
30	FMOC-Cl as derivatizing agent for the analysis of amino acids and dipeptides by the absolute analysis method. <i>Chromatographia</i> , 1999, 49, 317-320.	1.3	16
31	Spectroscopic and chromatographic studies of sculptural polychromy in the Zhongshan Grottoes (R.P.C.). <i>Journal of Cultural Heritage</i> , 2013, 14, 70-75.	3.3	16
32	QUANTITATIVE ANALYSIS BY UV-VIS DETECTION IN FLOW-ASSISTED SEPARATION TECHNIQUES FOR DISPERSED SAMPLES. <i>Reviews in Analytical Chemistry</i> , 2001, 20, .	3.2	13
33	Coupling gravitational and flow field-flow fractionation, and size-distribution analysis of whole yeast cells. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 1068-75.	3.7	13
34	Toward Multianalyte Immunoassays: A Flow-Assisted, Solid-Phase Format with Chemiluminescence Detection. <i>Clinical Chemistry</i> , 2005, 51, 1993-1995.	3.2	13
35	Heavy Metals Bioindication Potential of the Common Weeds <i>Senecio vulgaris</i> L., <i>Polygonum aviculare</i> L. and <i>Poa annua</i> L.. <i>Molecules</i> , 2019, 24, 2813.	3.8	13
36	Analytical Procedure for the Simultaneous Voltammetric Determination of Trace Metals in Food and Environmental Matrices. Critical Comparison with Atomic Absorption Spectroscopic Measurements. <i>Annali Di Chimica</i> , 2007, 97, 141-151.	0.6	12

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37	Voltammetric method for ultra-trace determination of total mercury and toxic metals in vegetables. Comparison with spectroscopy. <i>Open Chemistry</i> , 2013, 11, 790-800.	1.9	11
38	Quantifying API polymorphs in formulations using X-ray powder diffraction and multivariate standard addition method combined with net analyte signal analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 130, 36-43.	4.0	11
39	Sequential voltammetric determination of trace metals in meals. <i>Microchemical Journal</i> , 2007, 85, 321-328.	4.5	10
40	EVALUATION OF THE SORET COEFFICIENT FOR POLYSTYRENE IN DECALIN BY MEANS OF THERMAL FIELD-FLOW FRACTIONATION. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 2067-2082.	1.0	9
41	Production of Antioxidant Molecules in <i>Polygonum aviculare</i> (L.) and <i>Senecio vulgaris</i> (L.) under Metal Stress: A Possible Tool in the Evaluation of Plant Metal Tolerance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7317.	4.1	9
42	Inorganic Elements in <i>Mytilus galloprovincialis</i> Shells: Geographic Traceability by Multivariate Analysis of ICP-MS Data. <i>Molecules</i> , 2021, 26, 2634.	3.8	9
43	Herbal Medicines: Application of a Sequential Voltammetric Procedure to the Determination of Mercury, Copper, Lead, Cadmium and Zinc at Trace Level. <i>Letters in Drug Design and Discovery</i> , 2018, 15, .	0.7	9
44	Properties of decalin as a solvent in thermal field-flow fractionation. <i>Chromatographia</i> , 1999, 49, 131-136.	1.3	8
45	Botanical traceability of unifloral honeys by chemometrics based on head-space gas chromatography. <i>European Food Research and Technology</i> , 2018, 244, 2149-2157.	3.3	7
46	Seasonal changes in amino acids and phenolic compounds in fruits from hybrid cross populations of American grapes differing in disease resistance. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 182-193.	5.8	7
47	Checking syrup adulteration of honey using bioluminescent bacteria and chemometrics. <i>European Food Research and Technology</i> , 2019, 245, 315-324.	3.3	7
48	Influence of pressure and atomizer length on absorption curves in ETA-AAS measurements for standardless analysis. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 361, 504-506.	1.5	6
49	Rapid discrimination of Italian Prosecco wines by head-space gas-chromatography basing on the volatile profile as a chemometric fingerprint. <i>European Food Research and Technology</i> , 2020, 246, 1805-1816.	3.3	6
50	Trace level voltammetric determination of heavy metals and total mercury in tea matrices (<i>Camellia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.8	6
51	New Standardless Method of Pb Analysis by Electrothermal Atomic Absorption Spectroscopy in Air Aerosols: Comparison with the Official Method. <i>Applied Spectroscopy</i> , 1996, 50, 1585-1589.	2.2	5
52	WORKING WITHOUT ACCUMULATION MEMBRANE IN FLOW FFF. EFFECT OF SAMPLE LOADING ON RECOVERY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 2211-2224.	1.0	5
53	Field-flow fractionation of cells with chemiluminescence detection. <i>Journal of Chromatography A</i> , 2004, 1056, 229-236.	3.7	5
54	New polluting metals. Quantification in herbal medicines by voltammetric and spectroscopic analytical methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 211, 114599.	2.8	5

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55	Absorbance vs. time curves at high heating rates in electrothermal atomic absorption spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 65-73.	2.9	4
56	Experimental study of the concentration dependence of the solet coefficient by thermal field-flow fractionation: the case of polystyrene in decalin. <i>Chromatographia</i> , 2002, 56, 495-503.	1.3	4
57	Effects of environmental parameters and their interactions on the spreading of SARS-CoV-2 in North Italy under different social restrictions. A new approach based on multivariate analysis. <i>Environmental Research</i> , 2022, 210, 112921.	7.5	4
58	Field-flow fractionation of cells with chemiluminescence detection. <i>Journal of Chromatography A</i> , 2004, 1056, 229-36.	3.7	4
59	Theoretical and experimental values of the spectroscopic constant relative to the Hg 253.7nm line at different temperatures.. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 1847-1851.	2.9	3
60	Behaviour of phospholipids in analytical reactive pyrolysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 415-421.	3.6	3
61	Working without Accumulation Membrane in Flow Fieldflow Fractionation. Effect of Sample Loading on Retention. <i>Annali Di Chimica</i> , 2004, 94, 197-206.	0.6	2
62	Platinum(II), Palladium(II), Rhodium(III) and Lead(II) Voltammetric Determination in Sites Differently Influenced by Vehicle Traffic. <i>Annali Di Chimica</i> , 2007, 97, 373-384.	0.6	2
63	Optimization of analytical procedures for the simultaneous voltammetric determination of total Hg(II) in presence of Cu(II) in environmental matrices. <i>Open Chemistry</i> , 2012, 10, 267-276.	1.9	2
64	Thallium: A Polluting Metal of New Generation. Its Voltammetric Determination in Herbal Medicines in Presence of Metal Interferences. <i>Analyticaâ€”A Journal of Analytical Chemistry and Chemical Analysis</i> , 2021, 2, 76-83.	1.7	2
65	Manual Data Processing in Analytical Chemistry: Linear Calibration. <i>Journal of Chemical Education</i> , 2008, 85, 1346.	2.3	1
66	Sequential voltammetric determination of mercury(II) and toxic metals in environmental bio-monitors: application to mussels and clams. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 49-63.	3.3	1
67	An Authentication Study on Grappa Spirit: The Use of Chemometrics to Detect a Food Fraud. <i>Analyticaâ€”A Journal of Analytical Chemistry and Chemical Analysis</i> , 2021, 2, 84-92.	1.7	1
68	Characterization of winemaking yeast by cell numberâ€”size distribution analysis through flow field-flow fractionation with multi-wavelength turbidimetric detection. <i>Journal of Chromatography A</i> , 2004, 1054, 293-301.	3.7	1
69	The Design of Experiment as a Tool to Model Plant Trace-Metal Bioindication Abilities. <i>Molecules</i> , 2022, 27, 1844.	3.8	1
70	A high current, battery-operated power supply with power control through an onâ€”off fast switch. <i>Review of Scientific Instruments</i> , 1997, 68, 1609-1612.	1.3	0
71	Senio River Ecosystem: Characterization and Distribution of Inorganic Species in Water and Sediments. <i>Annali Di Chimica</i> , 2006, 96, 493-504.	0.6	0
72	Multianalyte voltammetric determination of traffic-linked metals in marine organisms employed as pollution bio-monitors. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-20.	3.3	0

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73	Electrostatic precipitation and electrothermal atomic absorption spectroscopy. <i>Advances in Atomic Spectroscopy</i> , 1998, , 1-25.	0.8	0
74	THE RESULTS OF QPCS AS PART OF AN ENTRY GUIDANCE WITH UNIVERSITY STUDENTS. THE EXPERIENCE OF THE SCIENTIFIC DEGREES PLAN (PLS) - CHEMISTRY OF THE UNIVERSITY OF BOLOGNA. , 2019, , .		0
75	Characterization of winemaking yeast by cell number-size distribution analysis through flow field-flow fractionation with multi-wavelength turbidimetric detection. <i>Journal of Chromatography A</i> , 2004, 1054, 293-301.	3.7	0