

# Diego Centonze

## List of Publications by Year in descending order

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87  
papers

2,429  
citations

172207

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87  
docs citations

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times ranked

2786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between Permselectivity and Chemical Structure of Overoxidized Polypyrrole Membranes Used in Electroproduced Enzyme Biosensors. <i>Analytical Chemistry</i> , 1995, 67, 2207-2211.	3.2	147
2	Simultaneous monitoring of glucose and lactate by an interference and cross-talk free dual electrode amperometric biosensor based on electropolymerized thin films. <i>Biosensors and Bioelectronics</i> , 2000, 15, 531-539.	5.3	126
3	An interference free amperometric biosensor for the detection of biogenic amines in food products. <i>Biosensors and Bioelectronics</i> , 2007, 23, 640-647.	5.3	108
4	A Disposable, Reagentless, Third-Generation Glucose Biosensor Based on Overoxidized Poly(pyrrole)/Tetrathiafulvalene~ Tetracyanoquinodimethane Composite. <i>Analytical Chemistry</i> , 2002, 74, 5913-5918.	3.2	101
5	An interference-free biosensor based on glucose oxidase electrochemically immobilized in a non-conducting poly(pyrrole) film for continuous subcutaneous monitoring of glucose through microdialysis sampling. <i>Biosensors and Bioelectronics</i> , 1993, 8, 393-399.	5.3	93
6	Interference-free glucose sensor based on glucose-oxidase immobilized in an overoxidized non-conducting polypyrrole film. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 342, 729-733.	1.5	92
7	Determination of aflatoxins in cereal flours by solid-phase microextraction coupled with liquid chromatography and post-column photochemical derivatization-fluorescence detection. <i>Journal of Chromatography A</i> , 2009, 1216, 8636-8641.	1.8	80
8	Urine protein profile of IgA nephropathy patients may predict the response to ACE~inhibitor therapy. <i>Proteomics</i> , 2008, 8, 206-216.	1.3	79
9	Amperometric biosensors based on electrosynthesised polymeric films. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 586-601.	1.5	73
10	Validation according to European Commission Decision 2002/657/EC of a confirmatory method for aflatoxin M1 in milk based on immunoaffinity columns and high performance liquid chromatography with fluorescence detection. <i>Analytica Chimica Acta</i> , 2007, 594, 257-264.	2.6	71
11	Permeation of solutes through an electropolymerized ultrathin poly-o-phenylenediamine film used as an enzyme-entrapping membrane. <i>Electroanalysis</i> , 1994, 6, 423-429.	1.5	66
12	Electrode modification with a poly(NiII-tetramethyldibenzotetraaza[14]annulene) film. Electrochemical behavior and redox catalysis in alkaline solutions. I. <i>Electroanalysis</i> , 1995, 7, 312-318.	1.5	64
13	An interference-free first generation alcohol biosensor based on a gold electrode modified by an overoxidised non-conducting polypyrrole film. <i>Analytica Chimica Acta</i> , 2006, 565, 27-35.	2.6	54
14	An in situ electrosynthesized amperometric biosensor based on lactate oxidase immobilized in a poly-o-phenylenediamine film: determination of lactate in serum by flow injection analysis. <i>Biosensors and Bioelectronics</i> , 1994, 9, 471-479.	5.3	51
15	Mixed-Valent Ruthenium Oxide-Ruthenium Cyanide Inorganic Film on Glassy Carbon Electrodes as an Amperometric Sensor of Aliphatic Alcohols. <i>Analytical Chemistry</i> , 1995, 67, 101-107.	3.2	46
16	Development of a new analytical method for the determination of sulfites in fresh meats and shrimps by ion-exchange chromatography with conductivity detection. <i>Analytica Chimica Acta</i> , 2010, 672, 61-65.	2.6	41
17	A multiresidual method based on ion-exchange chromatography with conductivity detection for the determination of biogenic amines in food and beverages. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1015-1023.	1.9	41
18	A microdialysis fibre based sampler for flow injection analysis: determination of L-lactate in biofluids by an electrochemically synthesised bilayer membrane based biosensor. <i>Biosensors and Bioelectronics</i> , 1996, 11, 419-425.	5.3	39

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19	Simultaneous determination of water- and fat-soluble vitamins, lycopene and beta-carotene in tomato samples and pharmaceutical formulations: Double injection single run by reverse-phase liquid chromatography with UV detection. <i>Journal of Food Composition and Analysis</i> , 2018, 70, 9-17.	1.9	35
20	Validation of a confirmatory analytical method for the determination of aflatoxins B1, B2, G1 and G2 in foods and feed materials by HPLC with on-line photochemical derivatization and fluorescence detection. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009, 26, 1402-1410.	1.1	34
21	Permselective and enzyme-entrapping behaviours of an electropolymerized, non-conducting, poly(o-aminophenol) thin film-modified electrode: A critical study. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1550-1556.	5.3	33
22	Multi-residue method for the determination of organochlorine pesticides in fish feed based on a cleanup approach followed by gas chromatography-triple quadrupole tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 4996-5003.	1.8	33
23	Permselective Behavior of an Electrosynthesized, Nonconducting Thin Film of Poly(2-naphthol) and Its Application to Enzyme Immobilization. <i>Electroanalysis</i> , 2000, 12, 825-830.	1.5	32
24	Development of a new analytical method for the determination of fumonisins B1 and B2 in food products based on high performance liquid chromatography and fluorimetric detection with post-column derivatization. <i>Journal of Chromatography A</i> , 2008, 1203, 88-93.	1.8	32
25	Simultaneous determination of twelve dyes in meat products: Development and validation of an analytical method based on HPLC-UV-diode array detection. <i>Food Chemistry</i> , 2019, 285, 1-9.	4.2	32
26	Differential Expression of Durum Wheat Gluten Proteome under Water Stress during Grain Filling. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6501-6512.	2.4	31
27	Amperometric biosensor based on Laccase immobilized onto a screen-printed electrode by Matrix Assisted Pulsed Laser Evaporation. <i>Talanta</i> , 2016, 154, 438-445.	2.9	30
28	Milk authenticity by ion-trap proteomics following multi-enzyme digestion. <i>Food Chemistry</i> , 2018, 244, 317-323.	4.2	30
29	Electrocatalytic oxidation and amperometric detection of aliphatic and furanic aldehydes at a mixed-valent ruthenium oxide-ruthenium cyanide film on glassy carbon electrodes. <i>Analytical Chemistry</i> , 1995, 67, 3740-3745.	3.2	29
30	Voltammetric and XPS investigations of polynuclear ruthenium-containing cyanometallate film electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1996, 406, 91-99.	1.9	29
31	Electrochemical immobilisation of enzymes on conducting organic salt electrodes: characterisation of an oxygen independent and interference-free glucose biosensor. <i>Journal of Electroanalytical Chemistry</i> , 1997, 435, 103-111.	1.9	29
32	Measurement of Histamine in Seafood by HPLC, CE, and ELISA: Comparison of Three Techniques. <i>Veterinary Research Communications</i> , 2005, 29, 343-346.	0.6	26
33	Comparative Analysis of Gluten Proteins in Three Durum Wheat Cultivars by a Proteomic Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2606-2617.	2.4	26
34	The effect of in-amphorae aging on oenological parameters, phenolic profile and volatile composition of Minutolo white wine. <i>Food Research International</i> , 2015, 74, 294-305.	2.9	26
35	Electrochemically prepared glucose biosensors: kinetic and faradaic processes involving ascorbic acid and role of the electropolymerized film in preventing electrode-fouling. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 349, 497-501.	1.5	23
36	Simultaneous and Accurate Real-Time Monitoring of Glucose and Ethanol in Alcoholic Drinks, Must, and Biomass by a Dual-Amperometric Biosensor. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 61-68.	2.4	23

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37	Characterization and Bio-Accessibility Evaluation of Olive Leaf Extract-Enriched "Taralli" Foods, 2020, 9, 1268.	1.9	23
38	Nickel oxide dispersed in a graphite/poly(vinyl chloride) composite matrix for an electrocatalytic amperometric sensor of alditols in flow-injection analysis. <i>Analytica Chimica Acta</i> , 1995, 307, 43-48.	2.6	22
39	Development of a carbon composite electrode made from polyethylene and graphite powder modified with copper(I) oxide. <i>Analytica Chimica Acta</i> , 1996, 326, 107-115.	2.6	22
40	Anion-exchange chromatography with electrochemical detection of alditols and sugars at a Cu <sub>2</sub> O-carbon composite electrode. <i>Journal of Chromatography A</i> , 1997, 773, 115-121.	1.8	21
41	Electrocatalysis and amperometric detection of ethanol at ruthenium-based inorganic films with improved response stability. <i>Analytica Chimica Acta</i> , 1995, 310, 257-262.	2.6	20
42	Rapid multiresidue extraction method of organochlorinated pesticides from fish feed. <i>Journal of Chromatography A</i> , 2004, 1034, 33-40.	1.8	20
43	Separation and Pulsed Amperometric Detection of Alditols and Carbohydrates by Anion-Exchange Chromatography Using Alkaline Mobile Phases Modified with Ba(II), Sr(II), and Ca(II) Ions. <i>Analytical Chemistry</i> , 1997, 69, 4842-4848.	3.2	19
44	Development of a mathematical model for online microextraction by packed sorbent under equilibrium conditions and its application for polycyclic aromatic hydrocarbon determination in water by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1262, 19-26.	1.8	19
45	Development of an analytical method for the determination of polyphenolic compounds in vegetable origin samples by liquid chromatography and pulsed amperometric detection at a glassy carbon electrode. <i>Journal of Chromatography A</i> , 2015, 1420, 66-73.	1.8	19
46	Strategies in protein sequencing and characterization: Multi-enzyme digestion coupled with alternate CID/ETD tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 854, 106-117.	2.6	19
47	Determination of deoxynivalenol and nivalenol by liquid chromatography and fluorimetric detection with on-line chemical post-column derivatization. <i>Talanta</i> , 2012, 97, 145-149.	2.9	18
48	Effect of Ca(II), Sr(II), and Ba(II) on the Pulsed Amperometric Detection of Alditols and Carbohydrates at a Gold Electrode in Alkaline Solutions. <i>Analytical Chemistry</i> , 1997, 69, 4849-4855.	3.2	17
49	Effects of the treatment with oak chips on color-related phenolics, volatile composition, and sensory profile of red wines: the case of Aglianico and Montepulciano. <i>European Food Research and Technology</i> , 2016, 242, 745-767.	1.6	17
50	Chromatographic determination of 12 dyes in meat products by HPLC-UV-DIODE array detection. <i>MethodsX</i> , 2019, 6, 856-861.	0.7	17
51	Characterization, chemometric evaluation, and human health-related aspects of essential and toxic elements in Italian honey samples by inductively coupled plasma mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25374-25384.	2.7	16
52	Rapid method for the quantification of 13 sulphonamides in milk by conventional high-performance liquid chromatography with diode array ultraviolet detection using a column packed with core-shell particles. <i>Journal of Chromatography A</i> , 2018, 1531, 46-52.	1.8	16
53	Accurate glutamate monitoring in foodstuffs by a sensitive and interference-free glutamate oxidase based disposable amperometric biosensor. <i>Analytica Chimica Acta</i> , 2020, 1115, 16-22.	2.6	16
54	Determination of Glucose in Nonalcoholic Beverages by a Biosensor Coupled with Microdialysis Fiber Samplers. <i>Journal of AOAC INTERNATIONAL</i> , 1997, 80, 829-844.	0.7	15

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55	Study of X-Ray irradiation applied to fresh dairy cheese. <i>LWT - Food Science and Technology</i> , 2019, 103, 186-191.	2.5	14
56	Microextraction by packed sorbent coupled with gas chromatography–mass spectrometry: A comparison between “draw-eject” and “extract-discard” methods under equilibrium conditions for the determination of polycyclic aromatic hydrocarbons in water. <i>Journal of Chromatography A</i> , 2014, 1371, 30-38.	1.8	12
57	Pulsed amperometric detection at glassy carbon electrodes: A new waveform for sensitive and reproducible determination of electroactive compounds. <i>Analytica Chimica Acta</i> , 2015, 894, 1-6.	2.6	12
58	Colour-related phenolics, volatile composition, and sensory profile of Nero di Troia wines treated with oak chips or by micro-oxygenation. <i>European Food Research and Technology</i> , 2016, 242, 1631-1646.	1.6	12
59	Recent Advances in the Post-Column Derivatization for the Determination of Mycotoxins in Food Products and Feed Materials by Liquid Chromatography and Fluorescence Detection. <i>Current Analytical Chemistry</i> , 2014, 10, 355-365.	0.6	12
60	Fabrication of a New, Low-Cost, and Environment-Friendly Laccase-Based Biosensor by Electrospray Immobilization with Unprecedented Reuse and Storage Performances. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1888-1898.	3.2	12
61	Determination of Sulphiting Agents in Raw and Processed Meat: Comparison Between a Modified Monier-Williams Method and the Direct Analysis by Ion Chromatography with Conductometric Detection. <i>Food Analytical Methods</i> , 2017, 10, 3956-3963.	1.3	11
62	Volatolomics approach by HS-SPME-GC-MS and multivariate analysis to discriminate olive tree varieties infected by <i>Xylella fastidiosa</i> . <i>Phytochemical Analysis</i> , 2019, 30, 623-634.	1.2	9
63	An automated food protein isolation approach on preparative scale by two-dimensional liquid chromatography with active modulation interface. <i>Electrophoresis</i> , 2019, 40, 1096-1106.	1.3	9
64	Dye use in fresh meat preparations and meat products: a survey by a validated method based on HPLC–UV–diode array detection as a contribution to risk assessment. <i>International Journal of Food Science and Technology</i> , 2020, 55, 1126-1135.	1.3	9
65	Volatile composition and sensory profile of wines obtained from partially defoliated vines: the case of Nero di Troia wine. <i>European Food Research and Technology</i> , 2017, 243, 247-261.	1.6	8
66	Enhancing online protein isolation as intact species from soy flour samples by actively modulated two-dimensional liquid chromatography (2D-LC). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112976.	1.4	8
67	Investigating the effects of mild preservation technology on perishable foods by volatolomics: The case study of ready-to-cook tuna-burgers. <i>LWT - Food Science and Technology</i> , 2019, 115, 108425.	2.5	7
68	Sensitive determination of ethanol in low-alcohol samples by ion-exclusion chromatography with EC detection using a ruthenium-based inorganic film electrode. <i>Food Chemistry</i> , 1996, 55, 17-21.	4.2	6
69	Tuna Burgers Preserved by the Selected <i>Lactobacillus paracasei</i> IMPC 4.1 Strain. <i>Food and Bioprocess Technology</i> , 2018, 11, 1651-1661.	2.6	6
70	Determination of Fumonisin B1 and B2 in Maize Food Products by a New Analytical Method Based on High-Performance Liquid Chromatography and Fluorimetric Detection with Post-column Derivatization. <i>Methods in Molecular Biology</i> , 2011, 739, 187-194.	0.4	6
71	Effects of different packaging systems on microbiological, sensory and peptide profile in fiordilatte cheese. <i>Food Research International</i> , 2014, 62, 628-636.	2.9	5
72	Deposition and Characterization of Laccase Thin Films Obtained by Matrix Assisted Pulsed Laser Evaporation. <i>Lecture Notes in Electrical Engineering</i> , 2015, , 47-51.	0.3	5

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73	Analytical characterization by X-ray photoelectron spectroscopy of quaternary chalcogenides for cathodes in lithium cells. <i>Journal of Materials Chemistry</i> , 1991, 1, 259.	6.7	4
74	Determination of Glucose in Nonalcoholic Beverages by a Biosensor Coupled with Microdialysis Fiber Samplers. <i>Journal of AOAC INTERNATIONAL</i> , 1997, 80, 829-833.	0.7	4
75	Mass spectrometry hyphenated techniques for the analysis of volatiles and peptides in soft cheese: Useful tools for the shelf life optimization. <i>Electrophoresis</i> , 2016, 37, 1861-1872.	1.3	4
76	Combined use of peptide ion and normalized delta scores to evaluate milk authenticity by ion-trap based proteomics coupled with error tolerant searching. <i>Talanta</i> , 2017, 164, 684-692.	2.9	4
77	Volatile organic compound data of ready-to-cook tuna fish-burgers: Time evolution in function of different and/or combined mild preservation technologies and relevant statistical analysis. <i>Data in Brief</i> , 2019, 25, 104371.	0.5	3
78	Nano-LC-MS/MS for the identification of proteins trapped in sorbent cartridges used for coupled plasma filtration-adsorption treatments of healthy pigs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 132, 215-222.	1.4	2
79	A Confirmatory Method for Aflatoxin M1 Determination in Milk Based on Immunoaffinity Cleanup and High-Performance Liquid Chromatography with Fluorometric Detection. <i>Methods in Molecular Biology</i> , 2011, 739, 195-202.	0.4	2
80	Simultaneous Determination of Aflatoxins B1, B2, G1, and G2 in Foods and Feed Materials. <i>Methods in Molecular Biology</i> , 2011, 739, 203-210.	0.4	1
81	Investigation of fennel protein extracts by shot-gun Fourier transform ion cyclotron resonance mass spectrometry. <i>Food Research International</i> , 2021, 139, 109919.	2.9	1
82	CHAPTER 16. Determination of Dietary Sugars by Ion Chromatography and Electrochemical Detection: a Focus on Galactose, Glucose, Fructose and Sucrose. <i>Food and Nutritional Components in Focus</i> , 2012, , 269-285.	0.1	0
83	Data processing for fennel protein characterization by Fourier transform ion cyclotron resonance mass spectrometry (FT-ICR-MS). <i>Data in Brief</i> , 2021, 35, 106960.	0.5	0
84	Electroanalytical characterisation of nitrosamines in different mobile phases as supporting electrolytes. <i>Microchemical Journal</i> , 2021, 171, 106885.	2.3	0
85	Characterization of Silter Cheeses Produced in Valley and Alpine Pastures by a Proteomic Approach. <i>Journal of Advances in Dairy Research</i> , 2017, 05, .	0.5	0
86	Determination Of Sulphiting Agents In Raw And Processed Meat. , 2018, , .		0
87	Determination of Î²-Agonists in Urine Samples at Low Âµg/kg Levels by Means of Pulsed Amperometric Detection at a Glassy Carbon Electrode Coupled with RP-LC. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11302.	1.3	0