

Mauro Tomassetti

List of Publications by Year in descending order

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74
papers

821
citations

430874

18
h-index

580821

25
g-index

77
all docs

77
docs citations

77
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Organophosphorus and carbamate pesticide analysis using an inhibition tyrosinase organic phase enzyme sensor; comparison by butyrylcholinesterase+choline oxidase opee and application to natural waters. <i>Analytica Chimica Acta</i> , 2007, 587, 22-32.	5.4	59
2	Superoxide Dismutase Biosensors for Superoxide Radical Analysis. <i>Analytical Letters</i> , 1999, 32, 2559-2581.	1.8	42
3	Determination of Lactoferrin and Immunoglobulin G in Animal Milks by New Immunosensors. <i>Sensors</i> , 2009, 9, 2202-2221.	3.8	35
4	Simple and suitable immunosensor for β -lactam antibiotics analysis in real matrixes: Milk, serum, urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 186-196.	2.8	32
5	The effect of organic solvent properties on a catalase enzyme sensor for monitoring hydrogen peroxide in nonaqueous solutions. <i>Electroanalysis</i> , 1996, 8, 1150-1154.	2.9	29
6	Antioxidant capacity of the algae using a biosensor method. <i>Talanta</i> , 2005, 66, 902-911.	5.5	29
7	Determination of HlgG and anti-HlgG using a single potentiometric immunosensor and two different competitive methods Application to the analysis of globulin G in human serum. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 520-530.	7.8	24
8	Catalytic fuel cell used as an analytical tool for methanol and ethanol determination. Application to ethanol determination in alcoholic beverages. <i>Electrochimica Acta</i> , 2016, 191, 1001-1009.	5.2	24
9	Reliable new immunosensor for atrazine pesticide analysis. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 50-62.	7.8	23
10	Lactoferrin determination using flow or batch immunosensor surface plasmon resonance: Comparison with amperometric and screen-printed immunosensor methods. <i>Sensors and Actuators B: Chemical</i> , 2013, 179, 215-225.	7.8	23
11	Biosensor analysis for the kinetic study of polyphenols deterioration during the forced thermal oxidation of extra-virgin olive oil. <i>Talanta</i> , 2008, 74, 1287-1298.	5.5	22
12	Ethanol Determination in Alcoholic Beverages Using Two Different Amperometric Enzyme Sensors. <i>Current Analytical Chemistry</i> , 2014, 11, 56-67.	1.2	22
13	Tyrosinase inhibition organic phase biosensor for triazinic and benzotriazinic pesticide analysis (part) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	3.7	21
14	New immunosensor for Lactoferrin determination in human milk and several pharmaceutical dairy milk products recommended for the unweaned diet. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 278-287.	2.8	21
15	An innovative organic phase enzyme electrode (OPEE) for the determination of ethanol in leadless petrols. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 78-86.	7.8	21
16	Agent orange herbicides, organophosphate and triazinic pesticides analysis in olive oil and industrial oil mill waste effluents using new organic phase immunosensors. <i>Food Chemistry</i> , 2015, 169, 358-365.	8.2	21
17	Comparison of three immunosensor methods (surface plasmon resonance, screen-printed and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> animal or powdered milks. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 73, 90-98.	2.8	20
18	A New Surface Plasmon Resonance Immunosensor for Triazine Pesticide Determination in Bovine Milk: A Comparison with Conventional Amperometric and Screen-Printed Immunodevices. <i>Sensors</i> , 2015, 15, 10255-10270.	3.8	19

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19	Amperometric Enzyme Sensor to Check the Total Antioxidant Capacity of Several Mixed Berries. Comparison with Two Other Spectrophotometric and Fluorimetric Methods. <i>Sensors</i> , 2015, 15, 3435-3452.	3.8	18
20	A Flow SPR Immunosensor Based on a Sandwich Direct Method. <i>Biosensors</i> , 2016, 6, 22.	4.7	18
21	Solid-liquid phase diagrams of binary mixtures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 99, 887-892.	3.6	15
22	New Investigation of the Isothermal Oxidation of Extra Virgin Olive Oil: Determination of Free Radicals, Total Polyphenols, Total Antioxidant Capacity, and Kinetic Data. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 8287-8295.	5.2	13
23	A survey on innovative dating methods in archaeometry with focus on fossil bones. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 371-379.	11.4	13
24	DIRECT DETERMINATION OF NICOTINE IN ANTISMOKING PHARMACEUTICAL PRODUCTS AND IN TOBACCO USING AN INHIBITION BIOSENSOR. <i>Analytical Letters</i> , 2001, 34, 855-866.	1.8	12
25	Immunoglobulin G Determination in Human Serum and Milk Using an Immunosensor of New Conception Fitted with an Enzyme Probe as Transducer. <i>Sensors</i> , 2008, 8, 6727-6746.	3.8	12
26	Further development of lactoferrin immunosensor (part III). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 186-193.	2.8	12
27	Further development on DMFC device used for analytical purpose: real applications in the pharmaceutical field and possible in biological fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7311-7319.	3.7	12
28	Study of the Catalytic Mechanism of the Enzyme Catalase on Organic Hydroperoxides in Non-Polar Organic Solvent. <i>Current Enzyme Inhibition</i> , 2008, 4, 86-92.	0.4	11
29	New Immunosensors Operating in Organic Phase (OPIEs) for Analysis of Triazinic Pesticides in Olive Oil. <i>Electroanalysis</i> , 2012, 24, 842-856.	2.9	11
30	Direct Methanol (or Ethanol) Fuel Cell as Enzymatic or Non-Enzymatic Device, Used to Check Ethanol in Several Pharmaceutical and Forensic Samples. <i>Sensors</i> , 2018, 18, 3596.	3.8	11
31	Fabrication and characterization of a Layered Double Hydroxide based catalase biosensor and a catalytic sensor for hydrogen peroxide determination. <i>Microchemical Journal</i> , 2021, 170, 106700.	4.5	11
32	Quantitative determination of acetylsalicylic acid in commercial drugs using DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 249-259.	3.6	10
33	Determination of traces of several pesticides in sunflower oil using organic phase immuno electrodes (OPIEs). <i>Talanta</i> , 2015, 132, 503-512.	5.5	10
34	Enzymatic DMFC device used for direct analysis of chloramphenicol and a comparison with the competitive immunosensor method. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1545-1552.	7.8	10
35	Kinetic investigation and predictive model for the isothermal degradation time in two commercial acetylsalicylic acid-based pharmaceutical tablet formulations. <i>Thermochimica Acta</i> , 2011, 526, 151-156.	2.7	9
36	New approach to the differentiation of marble samples using thermal analysis and chemometrics in order to identify provenance. <i>Chemistry Central Journal</i> , 2014, 8, 35.	2.6	9

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37	Comparison between a Direct-Flow SPR Immunosensor for Ampicillin and a Competitive Conventional Amperometric Device: Analytical Features and Possible Applications to Real Samples. <i>Sensors</i> , 2017, 17, 819.	3.8	9
38	Thermal analysis of fictile votive statues of 3rd century B.C.. <i>Thermochemica Acta</i> , 1997, 291, 117-130.	2.7	8
39	Reducing the pollutant load of olive mill wastewater by photocatalytic membranes and monitoring the process using both tyrosinase biosensor and COD test. <i>Frontiers in Chemistry</i> , 2013, 1, 36.	3.6	7
40	Archaeometric classification of ancient human fossil bones, with particular attention to their carbonate content, using chemometrics, thermogravimetry and ICP emission. <i>Chemistry Central Journal</i> , 2014, 8, 26.	2.6	7
41	A New Clark-Type Layered Double Hydroxides-Enzyme Biosensor for H ₂ O ₂ Determination in Highly Diluted Real Matrices: Milk and Cosmetics. <i>Processes</i> , 2021, 9, 1878.	2.8	7
42	Determination of antioxidant capacity of papaya fruit and papaya-based food and drug integrators, using a biosensor device and other analytical methods. <i>Monatshefte für Chemie</i> , 2009, 140, 965-972.	1.8	6
43	Detailed kinetic and chemometric study of the cellulose thermal breakdown in artificially aged and non aged commercial paper. Different methods for computing activation energy as an assessment model in archaeometric applications. <i>Chemistry Central Journal</i> , 2012, 6, S7.	2.6	6
44	Application of near infrared spectroscopy (NIR), X-ray fluorescence (XRF) and chemometrics to the differentiation of <i>marmora</i> samples from the Mediterranean basin. <i>Natural Product Research</i> , 2019, 33, 1006-1014.	1.8	6
45	Ethanol content determination in hard liquor drinks, beers, and wines, using a catalytic fuel cell. Comparison with other two conventional enzymatic biosensors: correlation and statistical data. <i>Acta IMEKO (2012)</i> , 2018, 7, 91.	0.7	6
46	Human fossil bones: Archaeometric classification using chemometrics and thermogravimetry. Influence of skeleton fossilization and its anatomical parts. <i>Microchemical Journal</i> , 2016, 124, 396-401.	4.5	5
47	Ancient human bones studied and compared by near infrared spectroscopy, thermogravimetry and chemometrics. <i>Journal of Near Infrared Spectroscopy</i> , 2019, 27, 6-14.	1.5	5
48	Simple Yeast-Direct Catalytic Fuel Cell Bio-Device: Analytical Results and Energetic Properties. <i>Biosensors</i> , 2021, 11, 45.	4.7	4
49	Kinetic Processing of Thermoanalytical Curves of Cellulose Samples and Finds Assessment of Possible Archaeometric Applications. <i>Current Analytical Chemistry</i> , 2010, 6, 260-268.	1.2	4
50	Thermogravimetric and kinetic methods to date wood finds. First results. <i>Annali Di Chimica</i> , 2003, 93, 897-907.	0.6	4
51	A Study on Solid State PVC Membrane ISEs for Cholate Analysis.. <i>Analytical Letters</i> , 1994, 27, 429-452.	1.8	3
52	Determination of Environmental Persistence and Thermogravimetric Analysis of Paper Artificially Aged by Photoirradiation. <i>Annali Di Chimica</i> , 2006, 96, 575-585.	0.6	3
53	Suitable classification of mortars from ancient Roman and Renaissance frescoes using thermal analysis and chemometrics. <i>Chemistry Central Journal</i> , 2015, 9, 23.	2.6	3
54	The Applications of Sensors and Biosensors in Investigating Drugs, Foods, and Nutraceuticals. <i>Sensors</i> , 2019, 19, 3395.	3.8	3

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55	Direct Catalytic Fuel Cell Device Coupled to Chemometric Methods to Detect Organic Compounds of Pharmaceutical and Biomedical Interest. <i>Sensors</i> , 2020, 20, 3615.	3.8	3
56	A Suitable Immunosensor for Chloramphenicol Determination: Study of Two Different Competitive Formats. <i>Current Pharmaceutical Analysis</i> , 2020, 16, 412-423.	0.6	3
57	Direct Methanol Catalytic Fuel Cell, for Measuring Ethanol Contents in Pharmaceutical Tinctures. <i>Current Analytical Chemistry</i> , 2020, 16, 184-194.	1.2	3
58	Quantitative Determination of Acetaminophen in Pharmaceutical Formulations Using Differential Scanning Calorimetry. Comparison with Spectrophotometric Method. <i>Drug Development and Industrial Pharmacy</i> , 2007, 33, 830-840.	2.0	2
59	Bioethanol in Biofuels Checked by an Amperometric Organic Phase Enzyme Electrode (OPEE) Working in a Substrate Antagonism Format. <i>Sensors</i> , 2016, 16, 1355.	3.8	2
60	Characterization of Rome's rainwater in the early of 2018 aiming to find correlations between chemical-physical parameters and sources of pollution: a statistical study. <i>Journal of Atmospheric Chemistry</i> , 2021, 78, 1-16.	3.2	2
61	Checking Ethanol in Several Pharmaceutical Formulations Using Two Different Enzyme Sensor Methods Working by Different Formats. <i>Current Pharmaceutical Analysis</i> , 2017, 13, .	0.6	2
62	Use of near Infrared Spectroscopy in Archaeometry: Differentiation of Roman Marmora and Human Fossil Bones. <i>NIR News</i> , 2016, 27, 4-6.	0.3	2
63	Chemometric Comparison of Data Files Using Several Thermal Analytical Techniques for Dating Fossil Bones from Two Old Burial Sites. <i>Current Analytical Chemistry</i> , 2021, 17, 536-544.	1.2	1
64	Carbamate, triazinic and benzotriazinic pesticide analysis using an inhibition tyrosinase organic phase enzyme sensor. , 2008, , .		0
65	Ethanol traces in natural waters checked using a new DMFC enzymatic device. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28741-28747.	5.3	0
66	Study for developing an electronic tongue to discriminate three different classes of waters, by using common sensors and the principal component analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 676-684.	3.3	0
67	Yeast-DMFC Device Using Glucose as Fuel: Analytical and Energetic Applications. Preliminary Results. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 53-59.	0.4	0
68	Determination of immunoglobulin G in human serum by means of an immunosensor fitted with an enzymatic probe as detector and a Clark electrode as transducer. , 2008, , .		0
69	TWO NEW IMMUNOSENSORS AND A BIOSENSOR FOR BUFFALO MILK. , 2008, , .		0
70	NEW VOLTAMMETRIC METHOD FOR CHECKING TOTAL ANTIOXIDANT CAPACITY OF VEGETAL EXTRACTS. , 2008, , .		0
71	FURTHER INVESTIGATION ON ISEs FOR CATIONIC SURFACTANT ANALYSIS. , 2008, , .		0
72	Ampicillin Measurement Using Flow SPR Immunosensor and Comparison with Classical Amperometric Immunosensor. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 229-232.	0.4	0

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73	Alcohols Traces Checked in River and Rain Water Using a DMFC-Enzymatic Device. Lecture Notes in Electrical Engineering, 2018, , 237-242.	0.4	0
74	Chemometrics and Thermal Analytical Investigation of Ancient Human Bones Through the Estimation of Activation Energy Values of Main Degradation Processes. Current Analytical Chemistry, 2020, 16, 580-592.	1.2	0