Ligia Maria Moretto

List of Publications by Year
in descending order

89	2,642	159585 30	206112 48
papers	citations	h-index	g-index

89	89	89	2645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ionomer-Coated Electrodes and Nanoelectrode Ensembles as Electrochemical Environmental Sensors: Recent Advances and Prospects. ChemPhysChem, 2002, 3, 917-925.	2.1	114
2	Ion-exchange voltammetry at polymer-coated electrodes: Principles and analytical prospects. Electroanalysis, 1995, 7, 1105-1113.	2.9	113
3	Determination of Trace Mercury in Saltwaters at Screen-Printed Electrodes Modified with Sumichelate Q10R. Electroanalysis, 1998, 10, 1017-1021.	2.9	103
4	Arrays of copper nanowire electrodes: Preparation, characterization and application as nitrate sensor. Sensors and Actuators B: Chemical, 2015, 207, 186-192.	7.8	99
5	Electrochemistry of phenothiazine and methylviologen biosensor electron-transfer mediators at nanoelectrode ensembles. Journal of Electroanalytical Chemistry, 2000, 491, 166-174.	3.8	96
6	Electrochemosensor for Trace Analysis of Perfluorooctanesulfonate in Water Based on a Molecularly Imprinted Poly(o-phenylenediamine) Polymer. ACS Sensors, 2018, 3, 1291-1298.	7.8	96
7	Ion-Exchange Voltammetry at Polymer Film-Coated Nanoelectrode Ensembles. Analytical Chemistry, 1996, 68, 4160-4165.	6.5	86
8	Towards a Better Understanding of Gold Electroless Deposition in Track-Etched Templates. Chemistry of Materials, 2007, 19, 5955-5964.	6.7	83
9	Voltammetric determination of trace mercury in chloride media at glassy carbon electrodes modified with polycationic ionomers. Analytica Chimica Acta, 1995, 305, 74-82.	5.4	80
10	Seasonal cycling of mercury and monomethyl mercury in the Venice Lagoon (Italy). Marine Chemistry, 2004, 91, 85-99.	2.3	75
11	Nitrate Biosensor Based on the Ultrathin-Film Composite Membrane Concept. Analytical Chemistry, 1998, 70, 2163-2166.	6.5	73
12	Spectroscopic methods for the analysis of celadonite and glauconite in Roman green wall paintings. Journal of Cultural Heritage, 2011, 12, 384-391.	3.3	71
13	Determination of mercury in process and lagoon waters by inductively coupled plasma-mass spectrometric analysis after electrochemical preconcentration: comparison with anodic stripping at gold and polymer coated electrodes. Analytica Chimica Acta, 2001, 434, 291-300.	5.4	65
14	Gold nanoelectrode ensembles for direct trace electroanalysis of iodide. Analytica Chimica Acta, 2006, 575, 16-24.	5.4	64
15	Direct voltammetry of cytochrome c at trace concentrations with nanoelectrode ensembles. Journal of Electroanalytical Chemistry, 2003, 560, 51-58.	3.8	60
16	Voltammetry of redox analytes at trace concentrations with nanoelectrode ensembles. Talanta, 2004, 62, 1055-1060.	5.5	59
17	Graphene-based materials for the electrochemical determination of hazardous ions. Analytica Chimica Acta, 2016, 946, 9-39.	5.4	52
18	Electroanalysis of Trace Inorganic Arsenic with Gold Nanoelectrode Ensembles. Electroanalysis, 2012, 24, 798-806.	2.9	50

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19	Iron(II) and iron(III) determination by potentiometry and ion-exchange voltammetry at ionomer-coated electrodes. Analytica Chimica Acta, 2002, 474, 147-160.	5.4	49
20	Disposable electrodes from waste materials and renewable sources for (bio)electroanalytical applications. Biosensors and Bioelectronics, 2019, 146, 111758.	10.1	48
21	Electrochemiluminescence of loaded in Nafion Langmuirâ€“Blodgett films: Role of the interfacial ultrathin film. Journal of Electroanalytical Chemistry, 2010, 640, 35-41.	3.8	46
22	Polycarbonate-based ordered arrays of electrochemical nanoelectrodes obtained by e-beam lithography. Nanotechnology, 2011, 22, 185305.	2.6	41
23	Ion-exchange voltammetry of trace mercury(II) at glassy carbon electrodes coated with a cationic polypyrrole derivative. Application to pore-waters analysis. Electroanalysis, 1997, 9, 1153-1158.	2.9	40
24	Conductive imprinted polymers for the direct electrochemical detection of Î²-lactam antibiotics: The case of cefquinome. Sensors and Actuators B: Chemical, 2019, 297, 126786.	7.8	37
25	Diffusion regimes at nanoelectrode ensembles in different ionic liquids. Electrochimica Acta, 2010, 55, 2865-2872.	5.2	36
26	Polycyclic aromatic hydrocarbons degradation by composting in a soot-contaminated alkaline soil. Journal of Hazardous Materials, 2005, 126, 141-148.	12.4	35
27	Epifluorescence Imaging of Electrochemically Switchable Langmuirâ^'Blodgett Films of Nafion. Langmuir, 2008, 24, 6367-6374.	3.5	34
28	(INVITED)Nanocoated fiber label-free biosensing for perfluorooctanoic acid detection by lossy mode resonance. Results in Optics, 2021, 5, 100123.	2.0	33
29	Ion-exchange voltammetry of copper ions in chloride media at glassy carbon electrodes modified with polycationic ionomers. Analytica Chimica Acta, 1993, 273, 229-236.	5.4	32
30	Electroanalytical study on the ion-exchange voltammetric behaviour of Hg(II) at TosflexÂ®-coated glassy carbon electrodes. Journal of Electroanalytical Chemistry, 1997, 427, 113-121.	3.8	30
31	A comparison of the speciation and fate of mercury in two contaminated coastal marine ecosystems: The Venice Lagoon (Italy) and Lavaca Bay (Texas). Limnology and Oceanography, 2004, 49, 367-375.	3.1	30
32	Advances in multiple square wave techniques for ion-exchange voltammetry at ultratrace levels: the europium(III) case. Journal of Electroanalytical Chemistry, 2001, 498, 117-126.	3.8	29
33	Challenges in the electrochemical (bio)sensing of nonelectroactive food and environmental contaminants. Current Opinion in Electrochemistry, 2019, 16, 57-65.	4.8	29
34	Ion-exchange voltammetry and electrocatalytic sensing capabilities of cytochrome c at polyestersulfonated ionomer coated glassy carbon electrodes. Biosensors and Bioelectronics, 2002, 17, 479-487.	10.1	28
35	Ion-exchange voltammetry of tris(2,2â€²-bipyridine) nickel(II), cobalt(II), and Co(salen) at polyestersulfonated ionomer coated electrodes in acetonitrile: Reactivity of the electrogenerated low-valent complexes. Electrochimica Acta, 2006, 52, 958-964.	5.2	26
36	Modification of nanoelectrode ensembles by thiols and disulfides to prevent non specific adsorption of proteins. Electrochimica Acta, 2011, 56, 7718-7724.	5.2	26

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37	Detection of DNA Hybridization by Methylene Blue Electrochemistry at Activated Nanoelectrode Ensembles. Journal of Nanoscience and Nanotechnology, 2015, 15, 3437-3442.	0.9	26
38	Unveiling the binding mode of perfluorooctanoic acid to human serum albumin. Protein Science, 2021, 30, 830-841.	7.6	25
39	Electrochemistry of cytochrome c incorporated in Langmuirâ€“Blodgett films of NafionÂ® and Eastman AQ 55Â®. Bioelectrochemistry, 2005, 66, 29-34.	4.6	24
40	Determination of methylmercury at NafionÂ® coated electrodes by single and multiple pulse voltammetric techniques. Journal of Electroanalytical Chemistry, 1999, 467, 193-202.	3.8	23
41	Nanobiosensing with Arrays and Ensembles of Nanoelectrodes. Sensors, 2017, 17, 65.	3.8	22
42	Pigment and Binder Concentrations in Modern Paint Samples Determined by IR and Raman Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 7401-7407.	13.8	22
43	Bio- and Biomimetic Receptors for Electrochemical Sensing of Heavy Metal Ions. Sensors, 2020, 20, 6800.	3.8	22
44	TEMPLATE DEPOSITION OF METALS. , 2007, , 678-709.		21
45	Bismuth modified gold nanoelectrode ensemble for stripping voltammetric determination of lead. Electrochemistry Communications, 2012, 24, 28-31.	4.7	20
46	Simultaneous Adsorptive Cathodic Stripping Voltammetric Determination of Nickel(II) and Cobalt(II) at an In Situ Bismuthâ€Modified Gold Electrode. Electroanalysis, 2013, 25, 2471-2479.	2.9	20
47	Multiple square wave voltammetry of nanomolar and subnanomolar concentrations of europium (III) at polymer-coated electrodes. Electrochemistry Communications, 2000, 2, 175-179.	4.7	18
48	Effectiveness and Compatibility of a Novel Sustainable Method for Stone Consolidation Based on Di-Ammonium Phosphate and Calcium-Based Nanomaterials. Materials, 2019, 12, 3025.	2.9	18
49	Redesigning an Electrochemical MIP Sensor for PFOS: Practicalities and Pitfalls. Sensors, 2019, 19, 4433.	3.8	16
50	Calcium alkoxides for stone consolidation: Investigating the carbonation process. Powder Technology, 2019, 344, 260-269.	4.2	16
51	Covalent immobilization of delipidated human serum albumin on poly(pyrrole-2-carboxylic) acid film for the impedimetric detection of perfluorooctanoic acid. Bioelectrochemistry, 2020, 134, 107540.	4.6	16
52	Biosensors based on gold nanoelectrode ensembles and screen printed electrodes. International Journal of Environmental Analytical Chemistry, 2007, 87, 701-714.	3.3	15
53	Nanoelectrode ensembles for the direct voltammetric determination of trace iodide in water. International Journal of Environmental Analytical Chemistry, 2010, 90, 747-759.	3.3	15
54	Electrochemical Immunosensor Based on Nanoelectrode Ensembles for the Serological Analysis of IgG-type Tissue Transglutaminase. Sensors, 2019, 19, 1233.	3.8	14

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55	Preparation and characterization of Ag-nanostars@Au-nanowires hierarchical nanostructures for highly sensitive surface enhanced Raman spectroscopy. Nano Express, 2020, 1, 020006.	2.4	12
56	Electrochemical Preparation and Characterization of an Anion-Permselective Composite Membrane for Sensor Technology. Electroanalysis, 1998, 10, 1168-1173.	2.9	11
57	Monitoring Sulphur Species and Metal Ions in Salt-Marsh Pore-Waters by Using an In-Situ Sampler. International Journal of Environmental Analytical Chemistry, 1999, 73, 129-143.	3.3	11
58	Plasma Activation of Copper Nanowires Arrays for Electrocatalytic Sensing of Nitrate in Food and Water. Nanomaterials, 2019, 9, 150.	4.1	11
59	Electrochemical preconcentration coupled with spectroscopic techniques for trace lead analysis in olive oils. Talanta, 2020, 210, 120667.	5.5	11
60	AplicaÃ§Ãµes de nanoeletrodos como sensores na QuÃmica AnalÃtica. Quimica Nova, 2006, 29, 1054-1060.	0.3	10
61	Pyrolyzed Photoresist Carbon Electrodes in Aprotic Solvent: Bilirubin Electrochemistry and Interaction with Electrogenerated Superoxide. Electrochimica Acta, 2014, 147, 401-407.	5.2	10
62	Laser ablation-ICP-MS depth profiling to study ancient glass surface degradation. Analytical and Bioanalytical Chemistry, 2015, 407, 3377-3391.	3.7	10
63	NafionÂ® as advanced immobilisation substrate for the voltammetric analysis of electroactive microparticles: the case of some artistic colouring agents. Analytical and Bioanalytical Chemistry, 2013, 405, 3603-3610.	3.7	9
64	Speciation of Trace Levels of Chromium with Bismuth Modified Pyrolyzed Photoresist Carbon Electrodes. Electroanalysis, 2015, 27, 128-134.	2.9	9
65	Impedimetric sensing of the immuno-enzymatic reaction of gliadin with a collagen-modified electrode. Electrochemistry Communications, 2018, 97, 51-55.	4.7	9
66	Nitrate detection at Nafion-modified electrodes incorporating ytterbium and uranyl electrocatalysts. Electroanalysis, 1995, 7, 129-131.	2.9	8
67	Ensembles of Gold Nanowires for the Anodic Stripping Voltammetric Determination of Inorganic Arsenic. Journal of Nanoscience and Nanotechnology, 2015, 15, 3417-3422.	0.9	8
68	Electrochemical Immunosensor for Detection of IgY in Food and Food Supplements. Chemosensors, 2017, 5, 10.	3.6	8
69	Nanoelectrode ensemble immunosensing for the electrochemical identification of ovalbumin in works of art. Electrochimica Acta, 2019, 312, 72-79.	5.2	8
70	Electrochemical Immunosensors and Aptasensors. Chemosensors, 2017, 5, 13.	3.6	7
71	Improved Synthesis, Anticancer Activity and Electrochemical Characterization of Unusual Zwitterionic Palladium Compounds with a Tenâ€Term Coordinative Ring.. ChemistrySelect, 2019, 4, 10911-10919.	1.5	7
72	Chemical analysis and computed tomography of metallic inclusions in Roman glass to unveil ancient coloring methods. Scientific Reports, 2021, 11, 11187.	3.3	7

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73	Composite films of poly-(ester-sulphonated) and poly-(3-methylthiophene) for ion-exchange voltammetry in acetonitrile solutions. Electrochimica Acta, 2006, 51, 2153-2160.	5.2	6
74	Sprayed carbon nanotubes on Pyrolysed Photoresist Carbon Electrodes: Application to o-toluidine determination. Electrochemistry Communications, 2014, 48, 13-16.	4.7	6
75	Pyrolyzed Photoresist Carbon Electrodes for Trace Electroanalysis of Nickel(II). Chemosensors, 2015, 3, 157-168.	3.6	6
76	Native mass spectrometry for the design and selection of protein bioreceptors for perfluorinated compounds. Analyst, The, 2021, 146, 2065-2073.	3.5	6
77	How perfluoroalkyl substances modify fluorinated self-assembled monolayer architectures: An electrochemical and computational study. Analytica Chimica Acta, 2022, 1204, 339740.	5.4	6
78	A kinetic investigation on Fe and Cu,Zn superoxide dismutases by polarography. Bioelectrochemistry, 1995, 36, 165-170.	1.0	5
79	CaracterÃsticas Ã³pticas e morfolÃ³gicas de nanoestruturas de ouro. Quimica Nova, 2007, 30, .	0.3	4
80	A polarographic study of the catalytic mechanism of the iron-containing superoxide dismutase from Escherichia coli. Bioelectrochemistry, 1995, 38, 397-400.	1.0	3
81	Arrays of Nanoelectrodes: Critical Evaluation of Geometrical and Diffusion Characteristics with Respect to Electroanalytical Applications. ECS Transactions, 2010, 25, 33-38.	0.5	3
82	Electrochemical preparation of standard solutions of Pb(II) ions in ionic liquid for analysis of hydrophobic samples: The olive oil case. Talanta, 2017, 172, 133-138.	5.5	3
83	Synthesis, characterization, and anticancer activity of ferrocenyl complexes bearing different organopalladium fragments. Applied Organometallic Chemistry, 2022, 36, .	3.5	3
84	What about Phenol Formaldehyde (PF) Foam in Modern-Contemporary Art? Insights into the Unaged and Naturally Aged Material by a Multi-Analytical Approach. Polymers, 2021, 13, 1964.	4.5	2
85	Ion Exchange Voltammetry. , 2012, , 403-435.		1
86	Electroanalytical Applications of Sensors Based on Pyrolized Photoresist Carbon Electrodes. Lecture Notes in Electrical Engineering, 2015, , 135-139.	0.4	1
87	ELECTRODES | Nanoelectrodes. , 2009, , 92-102.		0
88	Pigment and Binder Concentrations in Modern Paint Samples Determined by IR and Raman Spectroscopy. Angewandte Chemie, 2018, 130, 7523-7529.	2.0	0
89	ELECTRODES | Nanoelectrodes â˜†. , 2015, , .		0