Ivana Cesarino

List of Publications by Year
in descending order

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71 papers	1,742 citations	236612 25 h-index	301761 39 g-index
72 all docs	72 docs citations	72 times ranked	2146 citing authors

#	Article	IF	Citations
1	Electrochemical detection of carbamate pesticides in fruit and vegetables with a biosensor based on acetylcholinesterase immobilised on a composite of polyanilineâ€“carbon nanotubes. Food Chemistry, 2012, 135, 873-879.	4.2	207
2	Evaluation of a carbon paste electrode modified with organofunctionalised SBA-15 nanostructured silica in the simultaneous determination of divalent lead, copper and mercury ions. Talanta, 2008, 75, 15-21.	2.9	130
3	Determination of carbamate pesticide in food using a biosensor based on reduced graphene oxide and acetylcholinesterase enzyme. Sensors and Actuators B: Chemical, 2018, 277, 555-561.	4.0	88
4	Simultaneous Determination of Cadmium, Lead, Copper and Mercury Ions Using Organofunctionalized SBAâ€15 Nanostructured Silica Modified Graphiteâ€“Polyurethane Composite Electrode. Electroanalysis, 2010, 22, 61-68.	1.5	72
5	Carbon nanotubes modified with antimony nanoparticles in a paraffin composite electrode: Simultaneous determination of sulfamethoxazole and trimethoprim. Sensors and Actuators B: Chemical, 2013, 188, 1293-1299.	4.0	66
6	Determination of serotonin on platinum electrode modified with carbon nanotubes/polypyrrole/silver nanoparticles nanohybrid. Materials Science and Engineering C, 2014, 40, 49-54.	3.8	63
7	Impacts of COVID-19 pandemic on the wastewater pathway into surface water: A review. Science of the Total Environment, 2021, 774, 145586.	3.9	54
8	A synergistic combination of reduced graphene oxide and antimony nanoparticles for estriol hormone detection. Sensors and Actuators B: Chemical, 2015, 210, 453-459.	4.0	51
9	Reduced graphene oxide modified with silver nanoparticles for the electrochemical detection of estriol. Journal of Electroanalytical Chemistry, 2018, 809, 67-73.	1.9	49
10	Electrochemical oxidation of sulfamethazine on a glassy carbon electrode modified with graphene and gold nanoparticles. Electrochimica Acta, 2016, 192, 8-14.	2.6	41
11	Characterization and Application of Bismuthâ€Film Modified Graphiteâ€Polyurethane Composite Electrodes. Electroanalysis, 2010, 22, 1437-1445.	1.5	40
12	A Biosensor Based on Polyanilineâ€Carbon Nanotube Coreâ€Shell for Electrochemical Detection of Pesticides. Electroanalysis, 2011, 23, 2586-2593.	1.5	37
13	Carbon nanotubes modified with antimony nanoparticles: A novel material for electrochemical sensing. Electrochimica Acta, 2012, 85, 560-565.	2.6	35
14	Antibiotic Detection in Urine Using Electrochemical Sensors Based on Vertically Aligned Carbon Nanotubes. Electroanalysis, 2013, 25, 2092-2099.	1.5	34
15	Thermo-sensitive chitosanâ€“cellulose derivative hydrogels: swelling behaviour and morphologic studies. Cellulose, 2014, 21, 4531-4544.	2.4	34
16	Effect of the surface organization with carbon nanotubes on the electrochemical detection of bisphenol A. Sensors and Actuators B: Chemical, 2013, 177, 14-18.	4.0	33
17	Biosensor Based on Electrocodeposition of Carbon Nanotubes/Polypyrrole/Laccase for Neurotransmitter Detection. Electroanalysis, 2013, 25, 394-400.	1.5	31
18	Synthesis of Silver Nanoparticleâ€Graphene Composites for Electroanalysis Applications using Chemical and Electrochemical Methods. Electroanalysis, 2017, 29, 1014-1021.	1.5	31

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19	Evaluation of Reduced Graphene Oxide Modified with Antimony and Copper Nanoparticles for Levofloxacin Oxidation. Electroanalysis, 2018, 30, 2066-2076.	1.5	30
20	Copper nanoparticles and reduced graphene oxide modified a glassy carbon electrode for the determination of glyphosate in water samples. International Journal of Environmental Analytical Chemistry, 2022, 102, 293-305.	1.8	30
21	Evaluation of graphene oxide and reduced graphene oxide in the immobilization of laccase enzyme and its application in the determination of dopamine. Journal of Solid State Electrochemistry, 2018, 22, 141-148.	1.2	29
22	A Novel Method for the Detection of SARS-CoV-2 Based on Graphene-Impedimetric Immunosensor. Materials, 2021, 14, 4230.	1.3	28
23	A novel graphiteâ€“polyurethane composite electrode modified with thiol-organofunctionalized silica for the determination of copper ions in ethanol fuel. Fuel, 2010, 89, 1883-1888.	3.4	27
24	Glass/PDMS hybrid microfluidic device integrating vertically aligned SWCNTs to ultrasensitive electrochemical determinations. Lab on A Chip, 2012, 12, 1959.	3.1	27
25	Thiolâ€Functionalized Silica Thin Film Modified Electrode in Determination of Mercury Ions in Natural Water. Electroanalysis, 2008, 20, 2301-2309.	1.5	26
26	Using the organofunctionalised SBA-15 nanostructured silica as a carbon paste electrode modifier: determination of cadmium ions by differential anodic pulse stripping voltammetry. Journal of the Brazilian Chemical Society, 2007, 18, 810-817.	0.6	23
27	Real-time electrochemical determination of phenolic compounds after benzene oxidation. Journal of Electroanalytical Chemistry, 2012, 672, 34-39.	1.9	23
28	Properties of Electrodeposited WO₃Thin Films. Molecular Crystals and Liquid Crystals, 2014, 604, 71-83.	0.4	22
29	Influence of the annealing temperature and metal salt precursor on the structural characteristics and anti-corrosion barrier effect of CeO2 solâ€“gel protective coatings of carbon steel. Ceramics International, 2014, 40, 13437-13446.	2.3	22
30	Development of high bioâ€content polypropylene composites with different industrial lignins. Polymers for Advanced Technologies, 2019, 30, 70-78.	1.6	22
31	A New Approach for Conversion of Eucalyptus Lignocellulosic Biomass into Cellulose Nanostructures: A Method that Can Be Applied in Industry. Journal of Natural Fibers, 2021, 18, 1501-1511.	1.7	19
32	Evaluation of a Reduced Graphene Oxide-Sb Nanoparticles Electrochemical Sensor for the Detection of Cadmium and Lead in Chamomile Tea. Chemosensors, 2020, 8, 53.	1.8	19
33	Toward pH-controllable bioelectrocatalysis for hydrogen peroxide based on polymer brushes. Electrochemistry Communications, 2013, 29, 41-44.	2.3	18
34	A New Indirect Electrochemical Method for Determination of Ozone in Water Using Multiwalled Carbon Nanotubes. Electroanalysis, 2011, 23, 1512-1517.	1.5	17
35	Electrochemical degradation of benzene in natural water using silver nanoparticle-decorated carbon nanotubes. Materials Chemistry and Physics, 2013, 141, 304-309.	2.0	17
36	Recent approaches and future trends for lignin-based materials. Molecular Crystals and Liquid Crystals, 2017, 655, 204-223.	0.4	17

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37	Electrochemical sensor based on Sb nanoparticles/reduced graphene oxide for heavy metal determination. International Journal of Environmental Analytical Chemistry, 2022, 102, 3109-3123.	1.8	17
38	Pectin-based Polymer Electrolytes with Ir(III) Complexes. Molecular Crystals and Liquid Crystals, 2014, 604, 117-125.	0.4	16
39	Characterization of graphiteâ€“polyurethane composite electrodes modified with organofunctionalized SBA-15 nanostructured silica in the presence of heavy metal ions. Application to anodic stripping voltammetry. Mikrochimica Acta, 2010, 171, 1-9.	2.5	15
40	Electro-optical properties of the DNA-Eu3+ bio-membranes. Journal of Electroanalytical Chemistry, 2013, 708, 116-123.	1.9	15
41	Reduced Graphene Oxide-Based Impedimetric Immunosensor for Detection of Enterotoxin A in Milk Samples. Materials, 2020, 13, 1751.	1.3	15
42	Toxicity of cigarette butts and possible recycling solutionsâ€”a literature review. Environmental Science and Pollution Research, 2021, 28, 10450-10473.	2.7	13
43	An additional tool towards overcoming absence of specificity of carbon nanostructure-based electrochemical sensorsâ€”application to estriol and estradiol detection and distinction. Journal of Solid State Electrochemistry, 2015, 19, 3045-3050.	1.2	12
44	Minimization of polymerization shrinkage effects on composite resins by the control of irradiance during the photoactivation process. Journal of Applied Oral Science, 2018, 26, e20170528.	0.7	11
45	Evaluation of a Nanocomposite Based on Reduced Graphene Oxide and Gold Nanoparticles as an Electrochemical Platform for Detection of Sulfamethazine. Journal of Composites Science, 2019, 3, 59.	1.4	11
46	Fabrication of paper-based analytical devices using a PLA 3D-printed stencil for electrochemical determination of chloroquine and escitalopram. Journal of Solid State Electrochemistry, 2022, 26, 581-586.	1.2	11
47	Carbon Nanotubes Modified with SnO₂Rods for Levofloxacin Detection. Journal of the Brazilian Chemical Society, 2014, , .	0.6	8
48	Deterioration of Wood Plastics Composites by the White-Rot Fungus Pycnoporus sanguineus. Journal of Composites Science, 2019, 3, 24.	1.4	8
49	Determination of isotretinoin (13-cis-retinoic acid) using a sensor based on reduced graphene oxide modified with copper nanoparticles. Journal of Electroanalytical Chemistry, 2020, 856, 113692.	1.9	8
50	Water hyacinth second-generation ethanol production: a mitigation alternative for an environmental problem. Journal of Natural Fibers, 2019, 16, 1201-1208.	1.7	7
51	A functionalized renewable carbon-based surface for sensor development. Journal of Solid State Electrochemistry, 2021, 25, 1093-1099.	1.2	6
52	Copper nanostructures anchored on renewable carbon as electrochemical platform for the detection of dopamine, fluoxetine and escitalopram. Sensors and Actuators Reports, 2022, 4, 100107.	2.3	6
53	Second-generation ethanol from pineapple leaf fibers. Journal of Natural Fibers, 2020, 17, 113-121.	1.7	5
54	Evaluation of a biosensor based on reduced graphene oxide and glucose oxidase enzyme on the monitoring of second-generation ethanol production. Journal of Solid State Electrochemistry, 2020, 24, 2011-2018.	1.2	5

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55	Shrinkage Stress and Temperature Variation in Resin Composites Cured via Different Photoactivation Methods: Insights for Standardisation of the Photopolymerisation. Polymers, 2021, 13, 2065.	2.0	5
56	Acetylcholinesterase Biosensor Based on Functionalized Renewable Carbon Platform for Detection of Carbaryl in Food. Biosensors, 2022, 12, 486.	2.3	5
57	Functionalisation and Characterization of SBA-15 Nanostructured Silica Modified with 2-Benzothiazolethiol. Materials Science Forum, 0, 587-588, 458-462.	0.3	4
58	High-Area Ti/Pt Electrodes for the Electrochemically Catalyzed Transesterification of Soybean Oil with Methanol. Chemical Engineering Communications, 2015, 202, 1406-1413.	1.5	3
59	Second generation ethanol made from coir husk under the biomass Cascade approach. Molecular Crystals and Liquid Crystals, 2019, 693, 107-114.	0.4	3
60	Graphene Functionalization and Nanopolymers. Carbon Nanostructures, 2019, , 157-178.	0.1	3
61	Characterization of thiol-functionalised silica films deposited on electrode surfaces. Materials Research, 2008, 11, 465-469.	0.6	3
62	Competitive Hostâ€guest Electrochemical Detection of Ivermectin Drug Using a Î²â€Cyclodextrin/Grapheneâ€based Electrode. Electroanalysis, 2023, 35, .	1.5	3
63	Highly Sensitive Neurotransmitters Analysis at Platinumâ€Ultramicroelectrodes Arrays. Electroanalysis, 2012, 24, 1115-1120.	1.5	2
64	Production of second-generation ethanol from saccharine sorghum bagasse. Molecular Crystals and Liquid Crystals, 2017, 655, 236-242.	0.4	2
65	Evaluation of Phormium Cookianum Fibers as Reinforcements for Polypropylene-based Composites. Journal of Natural Fibers, 2020, 17, 1039-1047.	1.7	2
66	Enzymatic Solid-Phase Reactor Based on Silica Organofunctionalized with p-Phenylenediamine for Electrochemical Detection of Phenolic Compounds. Sensor Letters, 2012, 10, 1031-1038.	0.4	2
67	Preparation and Characterization of Amorphous Silica Organofunctionalised with 2-Mercaptobenzimidazole. Materials Science Forum, 0, 636-637, 793-797.	0.3	1
68	Innovation Under the Bioeconomy Context in Brazil. Economic Complexity and Evolution, 2017, , 97-116.	0.1	1
69	Principal Component Analysis as a Tool for Electrochemical Characterization of Modified Electrodes: A Case Study. Journal of the Electrochemical Society, 0, , .	1.3	1
70	Eucalyptus Bark Residue Application for Poly(Vinyl Chloride) Composite Production: Influence of Fiber Size and Content. Current Applied Polymer Science, 2022, 5, 125-138.	0.2	1
71	Eucalyptus Bark as Source of Bio-oil or Phenolic Compounds. Current Applied Polymer Science, 2021, 4, 128-133.	0.2	0