

Innocenzo G Casella

List of Publications by Year in descending order

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84
papers

3,429
citations

109321

35
h-index

155660

55
g-index

86
all docs

86
docs citations

86
times ranked

3742
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the electrochemical deposition and properties of cobalt oxide species in citrate alkaline solutions. <i>Journal of Electroanalytical Chemistry</i> , 2002, 534, 31-38.	3.8	253
2	Voltammetric and XPS investigations of nickel hydroxide electrochemically dispersed on gold surface electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999, 462, 202-210.	3.8	159
3	Electrocatalytic oxidation and liquid chromatographic detection of aliphatic alcohols at a nickel-based glassy carbon modified electrode. <i>Analytical Chemistry</i> , 1993, 65, 3143-3150.	6.5	155
4	Electrodeposition of cobalt oxide films from carbonate solutions containing Co(II) tartrate complexes. <i>Journal of Electroanalytical Chemistry</i> , 2002, 520, 119-125.	3.8	149
5	XPS/XAES study of carbon fibres during thermal annealing under UHV conditions. <i>Carbon</i> , 1992, 30, 521-526.	10.3	129
6	Copper dispersed into polyaniline films as an amperometric sensor in alkaline solutions of amino acids and polyhydric compounds. <i>Analytica Chimica Acta</i> , 1996, 335, 217-225.	5.4	111
7	Electrocatalysis of ascorbic acid on the glassy carbon electrode chemically modified with polyaniline films. <i>Electroanalysis</i> , 1997, 9, 1381-1386.	2.9	96
8	Anodic electrodeposition of conducting cobalt oxyhydroxide films on a gold surface. XPS study and electrochemical behaviour in neutral and alkaline solution. <i>Journal of Electroanalytical Chemistry</i> , 1999, 476, 54-63.	3.8	90
9	XPS investigation of ultra-high-vacuum storage effects on carbon fibre surfaces. <i>Carbon</i> , 1992, 30, 527-531.	10.3	76
10	Study of a nickel-catalysed glassy carbon electrode for detection of carbohydrates in liquid chromatography and flow injection analysis. <i>Analytica Chimica Acta</i> , 1991, 248, 117-125.	5.4	75
11	Cobalt-based glassy carbon chemically modified electrode for constant-potential amperometric detection of carbohydrates in flow-injection analysis and liquid chromatography. <i>Analytica Chimica Acta</i> , 1992, 270, 161-171.	5.4	68
12	An electrochemical and XPS study of the electrodeposited binary Pd-Sn catalyst: The electroreduction of nitrate ions in acid medium. <i>Journal of Electroanalytical Chemistry</i> , 2006, 588, 147-154.	3.8	68
13	Characterization of bismuth adatom-modified palladium electrodes. <i>Electrochimica Acta</i> , 2006, 52, 649-657.	5.2	66
14	Highly-dispersed copper microparticles on the active gold substrate as an amperometric sensor for glucose. <i>Analytica Chimica Acta</i> , 1997, 357, 63-71.	5.4	61
15	Catalytic oxidation and flow detection of hydrazine compounds at a nafion/ruthenium(III) chemically modified electrode. <i>Analytica Chimica Acta</i> , 1997, 354, 333-341.	5.4	57
16	Study of a cobalt-based surface modified glassy carbon electrode: Electrocatalytic oxidation of sugars and alditols. <i>Electroanalysis</i> , 1995, 7, 305-311.	2.9	55
17	Electrochemical preparation of a composite gold-cobalt electrode and its electrocatalytic activity in alkaline medium. <i>Electrochimica Acta</i> , 1999, 45, 1113-1120.	5.2	54
18	Electrochemical reduction of NO ₃ ⁻ and NO ₂ ⁻ on a composite copper thallium electrode in alkaline solutions. <i>Journal of Electroanalytical Chemistry</i> , 2004, 568, 183-188.	3.8	53

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19	The Electrochemical Reduction of Nitrophenols on Silver Globular Particles Electrodeposited under Pulsed Potential Conditions. <i>Journal of the Electrochemical Society</i> , 2007, 154, D697.	2.9	52
20	Fourier transform infrared spectroscopic study of thermal degradation in films of poly(etheretherketone). <i>Thermochimica Acta</i> , 1992, 211, 209-228.	2.7	50
21	Determination of acrylamide and acrylic acid by isocratic liquid chromatography with pulsed electrochemical detection. <i>Journal of Chromatography A</i> , 2006, 1107, 198-203.	3.7	50
22	Sulfite oxidation at a platinum glassy carbon electrode. Determination of sulfite by ion exclusion chromatography with amperometric detection. <i>Analytica Chimica Acta</i> , 1995, 311, 199-210.	5.4	49
23	Amperometric determination of underivatized amino acids at a nickel-modified gold electrode by anion-exchange chromatography. <i>Journal of Chromatography A</i> , 2000, 878, 57-67.	3.7	49
24	Sulfide measurements by flow injection analysis and ion chromatography with electrochemical detection. <i>Analytica Chimica Acta</i> , 2000, 409, 27-34.	5.4	48
25	Determination of Aliphatic Organic Acids by High-Performance Liquid Chromatography with Pulsed Electrochemical Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 23-28.	5.2	48
26	Electrochemical and XPS Characterization of Composite Modified Electrodes Obtained by Nickel Deposition on Noble Metals. <i>Analytical Chemistry</i> , 2000, 72, 2969-2975.	6.5	42
27	Determination of electroactive organic acids by anion-exchange chromatography using a copper modified electrode. <i>Journal of Chromatography A</i> , 2001, 912, 223-233.	3.7	42
28	Fourier transform infra-red spectroscopic study of thermal degradation in poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	3.8	40
29	Electrocatalytic oxidation of oxalic acid on palladium-based modified glassy carbon electrode in acidic medium. <i>Electrochimica Acta</i> , 1999, 44, 3353-3360.	5.2	40
30	Isocratic ion chromatographic determination of underivatized amino acids by electrochemical detection. <i>Analytica Chimica Acta</i> , 2003, 478, 179-189.	5.4	40
31	Electrochemical and spectroscopic characterization of a tungsten electrode as a sensitive amperometric sensor of small inorganic ions. <i>Electrochimica Acta</i> , 2005, 50, 4146-4154.	5.2	40
32	Electrodeposition and Characterization of Nickel-Copper Alloy Films as Electrode Material in Alkaline Media. <i>Journal of the Electrochemical Society</i> , 2002, 149, B465.	2.9	39
33	Colloidal gold supported onto glassy carbon substrates as an amperometric sensor for carbohydrates in flow injection and liquid chromatography. <i>Analyst, The</i> , 1996, 121, 249.	3.5	38
34	Anodic electrodeposition of iridium oxide particles on glassy carbon surfaces and their electrochemical/SEM/XPS characterization. <i>Journal of Electroanalytical Chemistry</i> , 2015, 736, 147-152.	3.8	37
35	Chemically modified electrode for the detection of carbohydrates. <i>Analytica Chimica Acta</i> , 1991, 243, 61-63.	5.4	35
36	Voltammetric behavior and ion chromatographic detection of nitrite at a dispersed platinum glassy carbon electrode. <i>Electroanalysis</i> , 1997, 9, 596-601.	2.9	34

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37	Pulsed electrodeposition of palladium nano-particles on coated multi-walled carbon nanotubes/nafion composite substrates: Electrocatalytic oxidation of hydrazine and propranolol in acid conditions. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 400-407.	7.8	34
38	Amperometric detection of sulfur-containing compounds in alkaline media. <i>Analyst, The</i> , 2002, 127, 647-652.	3.5	33
39	Pulsed electrodeposition of nickel/palladium globular particles from an alkaline gluconate bath. An electrochemical, XPS and SEM investigation. <i>Journal of Electroanalytical Chemistry</i> , 2013, 692, 80-86.	3.8	32
40	A comparison of some asymmetrical line shapes for XPS data analysis. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1989, 49, 247-261.	1.7	31
41	Electrocatalytic reduction of chlorophenoxy acids at palladium-modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2007, 52, 7028-7034.	5.2	31
42	Determination of Tetracycline Residues by Liquid Chromatography Coupled with Electrochemical Detection and Solid Phase Extraction. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8735-8741.	5.2	29
43	XPS, SEM and electrochemical characterization of a platinum-based glassy carbon modified electrode. Electrocatalytic oxidation of ethanol in acidic medium. <i>Electroanalysis</i> , 1996, 8, 447-453.	2.9	28
44	Electrooxidation of Aliphatic Amines and Their Amperometric Detection in Flow Injection and Liquid Chromatography at a Nickel-Based Glassy Carbon Electrode. <i>Electroanalysis</i> , 1998, 10, 1005-1009.	2.9	28
45	Determination of Maltitol, Isomaltitol, and Lactitol by High-pH Anion-Exchange Chromatography with Pulsed Amperometric Detection. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 157-163.	5.2	27
46	Electrocatalysis and Detection of Carbohydrates by Anion-Exchange Chromatography at a Gold Substrate Electrode Modified with Nickel Cyanide Ions. <i>Electroanalysis</i> , 2001, 13, 549-554.	2.9	27
47	Quantitative Analysis of Acrolein in Heated Vegetable Oils by Liquid Chromatography with Pulsed Electrochemical Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 5816-5821.	5.2	24
48	Electrochemical deposition of nickel and nickel-thallium composite oxides films from EDTA alkaline solutions. <i>Journal of Electroanalytical Chemistry</i> , 2005, 578, 55-62.	3.8	24
49	Determination of histamine by high-pH anion-exchange chromatography with electrochemical detection. <i>Food Chemistry</i> , 2001, 73, 367-372.	8.2	23
50	Anion-exchange chromatography with electrochemical detection of alditols and sugars at a Cu ₂ O-carbon composite electrode. <i>Journal of Chromatography A</i> , 1997, 773, 115-121.	3.7	21
51	Applications of a copper-modified gold electrode for amperometric detection of polar aliphatic compounds by anion-exchange chromatography. <i>Journal of Chromatography A</i> , 1998, 814, 63-70.	3.7	21
52	Electrocatalysis and amperometric detection of alditols and sugars at a gold-nickel composite electrode in anion-exchange chromatography. <i>Analytica Chimica Acta</i> , 1999, 398, 153-160.	5.4	21
53	Liquid chromatography with electrocatalytic detection of oxalic acid by a palladium-based glassy carbon electrode. <i>Journal of Chromatography A</i> , 1999, 833, 75-82.	3.7	21
54	Determination of aliphatic amines by cation-exchange chromatography with suppressed conductivity detection after solid phase extraction*. <i>Journal of Separation Science</i> , 2008, 31, 3718-3726.	2.5	21

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55	Highly dispersed rhodium particles on multi-walled carbon nanotubes for the electrochemical reduction of nitrate and nitrite ions in acid medium. <i>Electrochimica Acta</i> , 2014, 138, 447-453.	5.2	21
56	A multi-walled carbon nanotubes/cellulose acetate composite electrode (MWCNT/CA) as sensing probe for the amperometric determination of some catecholamines. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3533-3540.	7.8	21
57	Electrooxidation of ascorbic acid on the dispersed platinum glassy carbon electrode and its amperometric determination in flow injection analysis. <i>Electroanalysis</i> , 1996, 8, 128-134.	2.9	19
58	Study of sugar acids separation by high-performance anion-exchange chromatography with pulsed amperometric detection using alkaline eluents spiked with Ba ²⁺ , Sr ²⁺ , or Ca ²⁺ as acetate or nitrate salts. <i>Journal of Chromatography A</i> , 1999, 848, 71-81.	3.7	19
59	Electrodeposition of silver particles from alkaline aqueous solutions and their electrocatalytic activity for the reduction of nitrate, bromate and chlorite ions. <i>Electrochimica Acta</i> , 2010, 55, 6462-6468.	5.2	19
60	Electrooxidation of thiocyanate on the copper-modified gold electrode and its amperometric determination by ion chromatography. <i>Analyst</i> , 1998, 123, 1359-1363.	3.5	18
61	Oxidation of sugar acids on polycrystalline platinum and gold electrodes modified with adsorbed bismuth oxide adlayers. <i>Journal of Electroanalytical Chemistry</i> , 2004, 561, 103-111.	3.8	18
62	Anodic electrodeposition of cobalt oxides from an alkaline bath containing Co-gluconate complexes on glassy carbon. An electroanalytical investigation. <i>Electrochimica Acta</i> , 2011, 56, 7536-7540.	5.2	18
63	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.	6.5	17
64	Electrooxidation of aliphatic alcohols on palladium oxide catalyst prepared by pulsed electrodeposition technique. <i>Electrochimica Acta</i> , 2009, 54, 3866-3871.	5.2	16
65	Electrocatalytic Oxidation of Some Hydrazine Compounds at Glassy Carbon Electrode Modified with Co-Gluconate Complex. <i>Electroanalysis</i> , 2012, 24, 752-758.	2.9	16
66	Electrocatalytic oxidation and flow detection analysis of semicarbazide at based IrO _x chemically modified electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 25-31.	7.8	16
67	Activation of carbon fibres by negative d.c. corona discharge at ambient pressure and temperature. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994, 70, 1-9.	1.7	15
68	Rhodium-modified gold polycrystalline surface as anode material in alkaline medium: An electrochemical and XPS investigation. <i>Journal of Electroanalytical Chemistry</i> , 2007, 606, 24-32.	3.8	15
69	Pulsed Electrodeposition of Palladium Thin-Film from Alkaline Solutions Containing Pd(II)-Cyanide Complexes: An Electrochemical and XPS Investigation. <i>Journal of the Electrochemical Society</i> , 2008, 155, D723.	2.9	15
70	Development of a Liquid Chromatography/Amperometric Detection Method for the Determination of Multiresidue Sulfonamide Antibiotics in Meat-Based Baby Foods. <i>Electroanalysis</i> , 2012, 24, 2125-2133.	2.9	15
71	Carbohydrate and alditol analysis by high-performance anion-exchange chromatography coupled with electrochemical detection at a cobalt-modified electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 673-679.	3.7	13
72	Amperometric Sniffer for Volatile Amines Based on Paper-Supported Room Temperature Ionic Liquids Enabling Rapid Assessment of Fish Spoilage. <i>Electroanalysis</i> , 2014, 26, 1966-1974.	2.9	13

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73	Use of an electrochemical room temperature ionic liquid-based microprobe for measurements in gaseous atmospheres. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 239-247.	7.8	13
74	Platinum/glassy carbon electrode as detector for liquid chromatographic determination of hydroxyl-containing compounds. <i>Analytica Chimica Acta</i> , 1995, 311, 37-46.	5.4	11
75	Determination of aliphatic aldehydes by liquid chromatography with pulsed amperometric detection. <i>Journal of Chromatography A</i> , 2005, 1063, 129-135.	3.7	11
76	Determination of some Pb^{2+} blockers by Electrochemical Detection on Polycrystalline Gold Electrode after Solid Phase Extraction (SPE). <i>Electroanalysis</i> , 2016, 28, 1060-1067.	2.9	11
77	An Electrochemical and XPS Study of Ag^{+} - Pb Binary Alloys incorporated in Nafion [®] Coatings. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 481-488.	2.9	10
78	Cobalt oxide electrodeposition on various electrode substrates from alkaline medium containing Co^{2+} gluconate complexes: a comparative voltammetric study. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3739-3746.	2.5	10
79	A Non-Enzymatic Carbohydrate Sensor Based on Multiwalled Carbon Nanotubes Modified with Adsorbed Active Gold Particles. <i>Electroanalysis</i> , 2014, 26, 988-995.	2.9	9
80	Electrochemical Performance of Binary Ni-Co Particles Deposited on Graphene Oxide/Polyvinyl alcohol Substrate in Alkaline Medium. <i>Electrochimica Acta</i> , 2018, 261, 104-112.	5.2	9
81	Pulsed electrochemical deposition of nickel oxides on multi-walled carbon nanotubes from EDTA alkaline solutions: a SEM, XPS, and voltammetric characterization. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3383-3391.	2.5	6
82	Electrochemical and spectroscopic investigation of a binary Ni-Co oxide active material deposited on graphene/polyvinyl alcohol composite substrate. <i>Journal of Electroanalytical Chemistry</i> , 2017, 791, 117-123.	3.8	6
83	Chromatographic separations and liquid phase extraction/concentration of some polyphenolic compounds: a comparison between reverse phase and cation-exchange chromatography. <i>Analytical Methods</i> , 2011, 3, 575.	2.7	4
84	Electrochemical Codeposition and Spectroscopic Characterization of Cu-Tl Oxide Films Prepared in Aqueous Basic Solutions. <i>Journal of the Electrochemical Society</i> , 2004, 151, C392.	2.9	1