Gino Bontempelli

List of Publications by Year
in descending order

124	2,854	136950	223800
papers	citations	32 h-index	46 g-index

126	126	126	2065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A colorimetric paper-based smart label soaked with a deep-eutectic solvent for the detection of malondialdehyde. Sensors and Actuators B: Chemical, 2021, 329, 129174.	7.8	14
2	Transmittance measurements on paper soaked with deep eutectic solvents. Microchemical Journal, 2021, 170, 106690.	4.5	5
3	A Simple Strategy for Easily Assembling 3D Printed Miniaturized Cells Suitable for Simultaneous Electrochemical and Spectrophotometric Analyses. Electroanalysis, 2020, 32, 291-300.	2.9	8
4	Modified Screen Printed Electrode Suitable for Electrochemical Measurements in Gas Phase. Analytical Chemistry, 2020, 92, 3689-3696.	6.5	11
5	3D printed portable instruments based on affordable electronics, smartphones and open-source microcontrollers suitable for monitoring food quality. Microchemical Journal, 2020, 159, 105584.	4.5	8
6	Electroanalytical cells pencil drawn on PVC supports and their use for the detection in flexible microfluidic devices. Talanta, 2019, 199, 14-20.	5.5	20
7	A cotton thread fluidic device with a wall-jet pencil-drawn paper based dual electrode detector. Analytica Chimica Acta, 2018, 1040, 74-80.	5.4	25
8	Digitally Controlled Procedure for Assembling Fully Drawn Paper-Based Electroanalytical Platforms. Analytical Chemistry, 2017, 89, 10454-10460.	6.5	36
9	An Effective Gluten Extraction Method Exploiting Pure Choline Chloride-Based Deep Eutectic Solvents (ChCl-DESs). Food Analytical Methods, 2017, 10, 4079-4085.	2.6	24
10	A paper-based platform with a pencil-drawn dual amperometric detector for the rapid quantification of ortho-diphenols in extravirgin olive oil. Analytica Chimica Acta, 2017, 950, 41-48.	5.4	29
11	A Deep Eutectic Solventâ€based Amperometric Sensor for the Detection of Low Oxygen Contents in Gaseous Atmospheres. Electroanalysis, 2016, 28, 757-763.	2.9	17
12	Rapid Prototyping of Sensors and Conductive Elements by Dayâ€toâ€Day Writing Tools and Emerging Manufacturing Technologies. Electroanalysis, 2016, 28, 250-264.	2.9	29
13	Simple pencilâ€drawn paperâ€based devices for oneâ€spot electrochemical detection of electroactive species in oil samples. Electrophoresis, 2015, 36, 1830-1836.	2.4	26
14	Amperometric Sniffer for Volatile Amines Based on Paperâ€Supported Room Temperature Ionic Liquids Enabling Rapid Assessment of Fish Spoilage. Electroanalysis, 2014, 26, 1966-1974.	2.9	13
15	Pencil leads doped with electrochemically deposited Ag and AgCl for drawing reference electrodes on paper-based electrochemical devices. Electrochimica Acta, 2014, 146, 518-524.	5.2	52
16	Doped pencil leads for drawing modified electrodes on paper-based electrochemical devices. Journal of Electroanalytical Chemistry, 2014, 722-723, 90-94.	3.8	57
17	Electrochemical gas sensors based on paper-supported room-temperature ionic liquids for improved analysis of acid vapours. Analytical and Bioanalytical Chemistry, 2013, 405, 3571-3577.	3.7	26
18	Pencilâ€drawn paper supported electrodes as simple electrochemical detectors for paperâ€based fluidic devices. Electrophoresis, 2013, 34, 2085-2091.	2.4	121

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19	Room Temperature Ionic Liquids As Useful Overlayers for Estimating Food Quality from Their Odor Analysis by Quartz Crystal Microbalance Measurements. Analytical Chemistry, 2013, 85, 7241-7247.	6.5	45
20	Pencilâ€Drawn Dual Electrode Detectors to Discriminate Between Analytes Comigrating on Paperâ€Based Fluidic Devices but Undergoing Electrochemical Processes with Different Reversibility. Electroanalysis, 2013, 25, 2515-2522.	2.9	66
21	An oxygen amperometric gas sensor based on its electrocatalytic reduction in room temperature ionic liquids. Journal of Electroanalytical Chemistry, 2012, 670, 23-29.	3.8	37
22	An electrochemical gas sensor based on paper supported room temperature ionic liquids. Lab on A Chip, 2012, 12, 153-158.	6.0	103
23	A Membrane Free Amperometric Gas Sensor Based on Room Temperature Ionic Liquids for the Selective Monitoring of NO_x. Electroanalysis, 2012, 24, 865-871.	2.9	33
24	Simultaneous Detection of Ascorbic Acid and Hydrogen Peroxide by Flowâ€Injection Analysis with a Thin Layer Dualâ€Electrode Detector. Electroanalysis, 2011, 23, 628-636.	2.9	8
25	A modified electrode for the electrochemical detection of biogenic amines and their amino acid precursors separated by microchip capillary electrophoresis. Electrophoresis, 2011, 32, 906-912.	2.4	40
26	Amperometric Sniffer Based on Electrodes Supported on Ionâ€Exchangers for Monitoring the State of Turning Rancid of Lipids. Electroanalysis, 2010, 22, 645-652.	2.9	11
27	A simple approach to the hydrodynamic injection in microchip electrophoresis with electrochemical detection. Electrophoresis, 2010, 31, 2541-2547.	2.4	15
28	A sensor based on electrodes supported on ion-exchange membranes for the flow-injection monitoring of sulphur dioxide in wines and grape juices. Talanta, 2010, 80, 1809-1815.	5.5	22
29	Application of microchip electrophoresis with electrochemical detection to environmental aldehyde monitoring. Electrophoresis, 2009, 30, 3465-3471.	2.4	42
30	A voltammetric approach to an estimate of metal release from tinplate promoted by ligands present in canned vegetables. Journal of Applied Electrochemistry, 2009, 39, 979-988.	2.9	9
31	Single-step microwave digestion of food and biological samples for the quantitative conversion of Se into the +4 oxidation state. Talanta, 2009, 78, 753-758.	5.5	13
32	Simultaneous determination of derivatized light aldehydes by microchip electrophoresis with electrochemical detection. Journal of Chromatography A, 2008, 1207, 169-174.	3.7	30
33	An Ionicâ€Liquid Based Probe for the Sequential Preconcentration from Headspace and Direct Voltammetric Detection of Phenols in Wastewaters. Electroanalysis, 2007, 19, 2141-2148.	2.9	24
34	Rapid analysis of azoâ€dyes in food by microchip electrophoresis with electrochemical detection. Electrophoresis, 2007, 28, 4240-4246.	2.4	49
35	A capillary electrophoresis microsystem for the rapid in-channel amperometric detection of synthetic dyes in food. Journal of Electroanalytical Chemistry, 2007, 601, 1-7.	3.8	63
36	Simultaneous RP-LC Determination of Additives in Soft Drinks. Chromatographia, 2006, 63, 557-562.	1.3	60

#	Article	IF	Citations
37	Simultaneous Detection of Peracetic Acid and Hydrogen Peroxide by Amperometry at Pt and Au Electrodes. Electroanalysis, 2006, 18, 2079-2084.	2.9	14
38	A piezoelectric immunosensor based on antibody entrapment within a non-totally rigid polymeric film. Sensors and Actuators B: Chemical, 2005, 111-112, 331-338.	7.8	7
39	Evaluation of Chlorinated By-Products in Drinking Waters of Clentral Friuli (Italy). Annali Di Chimica, 2005, 95, 617-627.	0.6	2
40	Porous Electrodes Supported on Ion-Exchange Membranes as Electrochemical Detectors for Supercritical Fluid Chromatography. Analytical Chemistry, 2004, 76, 2133-2137.	6.5	24
41	An Electroanalytical Investigation on the Redox Properties of Calcium Antagonist Dihydropyridines. Electroanalysis, 2003, 15, 855-861.	2.9	4
42	A comparison among different instrumental approaches for bromide analysis in foodstuffs digested by a suitably modified microwave procedure. Talanta, 2003, 60, 653-662.	5.5	15
43	Characterization of antioxidant effect of procyanidins. Methods in Enzymology, 2001, 335, 338-350.	1.0	35
44	Improved microwave digestion procedure for inductively coupled plasma mass spectrometric determinations of inorganic bromide residues in foodstuffs fumigated with methyl bromide. Analytica Chimica Acta, 2001, 436, 245-252.	5.4	18
45	Amperometric monitoring of hydrogen peroxide in workplace atmospheres by electrodes supported on ion-exchange membranes. Journal of Electroanalytical Chemistry, 2001, 514, 123-128.	3.8	45
46	An electroanalytical investigation on the redox properties of lacidipine supporting its anti-oxidant effect. Bioelectrochemistry, 2000, 51, 193-200.	4.6	35
47	A Novel Assembly for Perfluorinated Ion-Exchange Membrane-Based Sensors Designed for Electroanalytical Measurements in Nonconducting Media. Electroanalysis, 1998, 10, 942-947.	2.9	8
48	A simple procedure for the chromatographic analysis of nanoliter samples. Fresenius' Journal of Analytical Chemistry, 1998, 360, 260-262.	1.5	1
49	Electroanalytical sensors for nonconducting media based on electrodes supported on perfluorinated ion-exchange membranes. Electroanalysis, 1997, 9, 433-443.	2.9	59
50	Amperometric determination of peroxides by glassy carbon electrodes modified with copper-phenanthroline complexes. Electroanalysis, 1996, 8, 151-157.	2.9	11
51	Pulsed amperometric detection of ethanol in breath by gold electrodes supported on ion exchange membranes (solid polymer electrolytes). Electroanalysis, 1996, 8, 544-548.	2.9	37
52	An electrochemical quartz crystal microbalance-based investigation of the properties displayed by electroactive polypyridine films. Analytica Chimica Acta, 1995, 305, 212-218.	5.4	4
53	Electrochemical Detection of Trace Hydrogen Sulfide in Gaseous Samples by Porous Silver Electrodes Supported on Ion-Exchange Membranes (Solid Polymer Electrolytes). Analytical Chemistry, 1995, 67, 318-323.	6.5	94
54	Simultaneous microdetermination of chlorine, bromine and phosphorus in organic compounds by ion chromatography. Journal of Chromatography A, 1994, 662, 185-190.	3.7	8

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55	Potential shifts at electrodes coated with ion-exchange polymeric films. Talanta, 1994, 41, 473-478.	5.5	19
56	Effect of the sample ionic strength on the preconcentration attained in ion exchange voltammetry. Journal of Electroanalytical Chemistry, 1993, 356, 67-80.	3.8	20
57	Solid-state cell for the voltammetric determination of trace electroactive ionic species preconcentrated from high-resistive media at electrodes modified by ion-exchange coatings. Analytica Chimica Acta, 1992, 264, 221-228.	5.4	11
58	Amperometric monitoring of sulphur dioxide in liquid and air samples of low conductivity by electrodes supported on ion-exchange membranes. Analyst, The, 1991, 116, 797.	3.5	38
59	An electroanalytical investigation on the reduction of high-spin octahedral complexes of nickel(II) with Schiff base ligands. Inorganica Chimica Acta, 1991, 179, 105-111.	2.4	5
60	Gas chromatographic system for the identification of halogenated pesticides by retention indices using n-alkanes as standards. Journal of Chromatography A, 1991, 547, 355-365.	3.7	8
61	Anodic stripping voltammetry in highly-resistive media by electrodes supported on ion-exchange membranes. Electroanalysis, 1991, 3, 527-534.	2.9	10
62	Amperometric monitoring of ozone in gaseous media by gold electrodes supported on ion exchange membranes (solid polymer electrolytes). Analytical Chemistry, 1990, 62, 293-298.	6.5	59
63	Electrodes supported on ion-exchange membranes as sensors in gases and low-conductivity solvents. Analytica Chimica Acta, 1989, 221, 27-41.	5.4	34
64	The use of microelectrodes for studying the process involved in 1-naphthylamine oxidation in dimethyl sulphoxide. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 267, 129-140.	0.1	13
65	Easy preparation of electrodes modified by conjugated polypyridine films displaying coordinative properties and their effectiveness as mediators of electrocatalytic processes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 242, 131-142.	0.1	17
66	Simultaneous determination of concentration, diffusion coefficient and number of electrons for electroactive species by combining suitable electroanalytical measurements. Analytica Chimica Acta, 1988, 211, 325-331.	5.4	6
67	Electroanalytical and spectrophotometric investigations on the metal(II)â€“1,2-bis(diphenylphosphino)ethaneâ€“acetylacetonate system (M = Ni, Pd, or Cu) in acetonitrile. Journal of the Chemical Society Dalton Transactions, 1988, , 1425-1428.	1.1	7
68	Acid-base equilibria in organic solvents. Analytica Chimica Acta, 1988, 208, 207-217.	5.4	10
69	Electrosynthesis of poly-2,5-pyridine promoted by nickel complexes. Synthetic Metals, 1988, 25, 365-373.	3.9	15
70	Optimisation of the micro-scale determination of phosphates by direct potentiometric titration with silver ions and its application to the determination of phosphorus in organic compounds. Analyst, The, 1987, 112, 129.	3.5	7
71	An electroanalytical investigation on the nickel-promoted electrochemical conversion of CO2 to CO. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 219, 259-271.	0.1	51
72	An electroanalytical investigation of the olefin isomerization reaction promoted by electrogenerated cationic nickel(I) complexes. Transition Metal Chemistry, 1987, 12, 292-295.	1.4	4

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73	An electroanalytical investigation on the olefin isomerization reaction promoted by electrogenerated cationic nickel hydrides. Journal of Molecular Catalysis, 1987, 40, 9-21.	1.2	8
74	The interaction of nesosteine and trans-sobrerol with electrogenerated superoxide ion in anhydrous and wet acetonitrile. Bioelectrochemistry, 1987, 17, 339-347.	1.0	1
75	Polarography-based selective titrations of carboxylate and phosphonate ligands used in detergent formulations. Analyst, The, 1986, 111, 365.	3.5	3
76	Simplex optimization procedure for evaluating equivalence points in sigmoidal and segmented titration curves. Analytica Chimica Acta, 1986, 191, 377-384.	5.4	1
77	Combined use of electroanalytical methods to derive calibration plots for species difficult to standardize. Analytica Chimica Acta, 1986, 189, 253-262.	5.4	3
78	Cathodic behaviour of nickel(II) in acetonitrile in the presence of carbon monoxide and substituted phosphines. Transition Metal Chemistry, 1985, 10, 8-11.	1.4	4
79	Anodic and cathodic deposition of electroactive polyfluorene films. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 186, 191-199.	0.1	30
80	Stabilization of nickel(I) by a mixed phosphineî—¸olefin coordination sphere. An electroanalytical approach. Inorganica Chimica Acta, 1985, 99, 19-24.	2.4	8
81	The electrochemical reduction of the bis(acetylacetonato)nickel(II) complex in acetonitrile. Inorganica Chimica Acta, 1985, 99, 43-47.	2.4	8
82	Acid-base equilibria in organic solvents. Analytica Chimica Acta, 1985, 173, 141-148.	5.4	38
83	Acid-base equilibria in organic solvents. Analytica Chimica Acta, 1985, 173, 149-156.	5.4	7
84	Digital simulation of electrochemical processes involving very fast chemical reactions. Analytica Chimica Acta, 1985, 173, 211-217.	5.4	8
85	Digital simulation of electrochemical processes involving very fast chemical reactions. Analytica Chimica Acta, 1985, 173, 219-225.	5.4	8
86	Cathodically deposited polypyridine films. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 194, 327-338.	0.1	26
87	Simultaneous potentiometric micro-scale determination of chlorine and bromine in organic compounds. Analyst, The, 1985, 110, 993.	3.5	8
88	Simple relationship for calculating backward to forward peak-current ratios in cyclic voltammetry. Analytical Chemistry, 1985, 57, 1503-1504.	6.5	11
89	The solution state of nickel(II) and nickel(I) in the presence of diphosphines in acetonitrile. A combined electroanalytical and spectrophotometric approach. Inorganica Chimica Acta, 1984, 85, 49-55.	2.4	9
90	An electroactive nickel containing polymeric film obtained by electrochemical reduction of an aryl-nickel derivative. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 161, 323-335.	0.1	70

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91	Some remarks concerning the reduction of [PtCl2(PR3)2] complexes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 179, 269-271.	0.1	7
92	An electroanalytical investigation on the electrocatalysed coupling of allyl halides promoted by the nickel-triphenylphosphine system. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 160, 249-260.	0.1	17
93	An electroanalytical investigation on the nickel-triphenylphosphine system in the presence of acrylonitrile. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1983, 159, 117-126.	0.1	10
94	An Electroanalytical investigation on carbon-nickel bonds formation. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1982, 140, 91-102.	0.1	15
95	Application of the explicit finite difference simulation method to cyclic voltammetry and its use in electroanalytical investigations. Analytica Chimica Acta, 1982, 140, 65-76.	5.4	14
96	Influence of the nature of tricovalent phosphorus ligands on the relative stability of nickel(II), nickel(I) and nickel(0). An electroanalytical approach providing thermodynamic and structural information. Inorganic Chemistry, 1981, 20, 2579-2586.	4.0	38
97	Potential-dependent chronoamperometry in the study of electrode reactions with comproportionation or disproportionation chemical steps. Analytical Chemistry, 1981, 53, 599-603.	6.5	11
98	Quantitative determination of cyanogen in organic solvents. Analytical Chemistry, 1981, 53, 124-125.	6.5	6
99	Coupling of organic halides electrocatalyzed by the NiII/NiI/Ni0â€“PPh3system. A mechanistic study based on an electroanalytical approach. Journal of the Chemical Society Dalton Transactions, 1981, , 1074-1081.	1.1	41
100	Activation of the carbonî—¸nickel Ïƒ-bond by cathodic reduction of trans-bromo-bis(triphenylphosphine)phenylnickel(II) in the presence of triphenylphosphine. Inorganica Chimica Acta, 1980, 42, 211-215.	2.4	25
101	Electroanalytical investigation on ligand-disproportionation and -exchange equilibria in nickel(II) and nickel(I) halide phosphine complexes in acetonitrile. Journal of the Chemical Society Dalton Transactions, 1980, , 2288.	1.1	9
102	Coupling of the electrode product with the starting species in the reduction of trans-dicyanobis(diethylphenylphosphine)nickel complex. Analytical Chemistry, 1980, 52, 329-331.	6.5	4
103	Kinetics of heterogeneous electron transfer on dicyanobis(tertiary phosphine) nickel complexes. Journal of the Chemical Society Faraday Transactions I, 1979, 75, 1330.	1.0	4
104	Synthesis and electrochemical behaviour of novel ruthenium(II) tetraphenylporphinate derivatives. Inorganica Chimica Acta, 1979, 37, 155-160.	2.4	25
105	Redox properties of the nickel(II),(I),(0)-triphenylphosphine system in acetonitrile. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1979, 103, 243-250.	0.1	31
106	Electroanalytical investigation on the stability of tetracoordinate nickel(I) complexes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1978, 92, 215-220.	0.1	6
107	Electrochemical synthesis of tris(tri-o-tolylphosphite)nickel(0). Inorganica Chimica Acta, 1978, 26, 37-40.	2.4	24
108	Electrochemical reduction of dicyanobis(tertiary phosphine)nickel(II) complexes. Journal of the Chemical Society Dalton Transactions, 1977, , 1887.	1.1	9

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109	Cathodic behavior of trans-dicyanobis(diethylphenylphosphine)nickel complex. Analytical Chemistry, 1977, 49, 1005-1008.	6.5	18
110	An investigation on the cathodic behaviour of phenylbenzoate in dimethylformamide solution. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1976, 72, 219-228.	0.1	13
111	Glow-discharge electrolysis on ferrous and ceric sulphate solutions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1976, 67, 191-199.	0.1	3
112	Electrochemical reduction of triphenyltin chloride in aprotic medium. Journal of Organometallic Chemistry, 1976, 121, 55-62.	1.8	16
113	Anodic oxidation of triphenylstibine and electroanalytical investigations of the equilibria involving the oxybis(triphenylantimony) cation produced. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1975, 59, 195-207.	0.1	9
114	Cathodic behaviour of hydroxytriphenylarsonium perchlorate at platinum and mercury electrodes in acetonitrile medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1974, 52, 459-467.	0.1	2
115	Electrode processes of oxygenated nitrogen compounds in acetonitrile medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1974, 55, 91-100.	0.1	41
116	Electrode processes of oxygenated nitrogen compounds in acetonitrile medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1974, 55, 101-107.	0.1	8
117	Anodic oxidation of diphenylsulphoxide in aprotic solvent. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1974, 55, 109-117.	0.1	9
118	Preparative electrochemistry of Ph3AsOHClO4, (Ph3AsO)2 HClO4, Ph3AsOHCl and Ph3AsOBF3 by anodic oxidation of triphenylarsine. Journal of Organometallic Chemistry, 1974, 81, 49-57.	1.8	10
119	Electrochemical oxidation of phenyldisulfide in acetonitrile medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1973, 42, 57-67.	0.1	34
120	Cyclic and a.c. voltammetric study on dibenzothiophene in acetonitrile medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1973, 43, 377-385.	0.1	23
121	Anodic oxidation of triphenylphosphine at a platinum electrode in acetonitrile medium. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1973, 48, 425-431.	0.1	67
122	Glow discharge electrolysis on methanol. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1973, 42, 243-252.	0.1	15
123	Electrochemical behaviour of diphenyl sulfide in aceto-nitrile medium at a platinum electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1972, 36, 389-397.	0.1	34
124	Electrode processes of the benzenethiol-phenyldisulfide system on a platinum electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1971, 30, 375-383.	0.1	59