

Christopher Brett

List of Publications by Year in descending order

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288
papers

11,747
citations

25014

57
h-index

48277

88
g-index

297
all docs

297
docs citations

297
times ranked

10185
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of pH. Definition, standards, and procedures (IUPAC Recommendations 2002). <i>Pure and Applied Chemistry</i> , 2002, 74, 2169-2200.	0.9	468
2	Deep eutectic solvents for the production and application of new materials. <i>Applied Materials Today</i> , 2018, 10, 30-50.	2.3	442
3	Electrochemical sensors and biosensors based on redox polymer/carbon nanotube modified electrodes: A review. <i>Analytica Chimica Acta</i> , 2015, 881, 1-23.	2.6	327
4	Electrochemical sensor based on multiwalled carbon nanotube and gold nanoparticle modified electrode for the sensitive detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 513-522.	4.0	192
5	On the electrochemical behaviour of aluminium in acidic chloride solution. <i>Corrosion Science</i> , 1992, 33, 203-210.	3.0	190
6	Electrochemical impedance studies of chitosan-modified electrodes for application in electrochemical sensors and biosensors. <i>Electrochimica Acta</i> , 2010, 55, 6239-6247.	2.6	175
7	A strategy for enzyme immobilization on layer-by-layer dendrimer-gold nanoparticle electrocatalytic membrane incorporating redox mediator. <i>Electrochemistry Communications</i> , 2006, 8, 1665-1670.	2.3	174
8	The application of electrochemical impedance techniques to aluminium corrosion in acidic chloride solution. <i>Journal of Applied Electrochemistry</i> , 1990, 20, 1000-1003.	1.5	170
9	On the adsorption and electrochemical oxidation of DNA at glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1994, 366, 225-231.	1.9	153
10	Characterisation of passive films formed on mild steels in bicarbonate solution by EIS. <i>Electrochimica Acta</i> , 2002, 47, 2081-2091.	2.6	142
11	Application of functionalised carbon nanotubes immobilised into chitosan films in amperometric enzyme biosensors. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 308-315.	4.0	115
12	Phenazines and Polyphenazines in Electrochemical Sensors and Biosensors. <i>Analytical Letters</i> , 2010, 43, 1588-1608.	1.0	115
13	Direct electrochemical determination of carbaryl using a multi-walled carbon nanotube/cobalt phthalocyanine modified electrode. <i>Talanta</i> , 2009, 79, 1406-1411.	2.9	110
14	Corrosion protection of aluminium alloy by cerium conversion and conducting polymer duplex coatings. <i>Corrosion Science</i> , 2012, 63, 342-350.	3.0	109
15	Deep eutectic solvents and applications in electrochemical sensing. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 143-148.	2.5	109
16	Photodynamic Therapy Efficacy Enhanced by Dynamics: The Role of Charge Transfer and Photostability in the Selection of Photosensitizers. <i>Chemistry - A European Journal</i> , 2014, 20, 5346-5357.	1.7	105
17	Poly(methylene blue) modified electrode sensor for haemoglobin. <i>Analytica Chimica Acta</i> , 1999, 385, 119-123.	2.6	103
18	Characterization and Application of Bismuth-Film Modified Carbon Film Electrodes. <i>Electroanalysis</i> , 2005, 17, 1354-1359.	1.5	100

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19	Electrochemical sensors for environmental monitoring. Strategy and examples. <i>Pure and Applied Chemistry</i> , 2001, 73, 1969-1977.	0.9	98
20	Electrosynthesis and electrochemical characterisation of phenazine polymers for application in biosensors. <i>Electrochimica Acta</i> , 2008, 53, 3973-3982.	2.6	98
21	Adsorption of Guanine, Guanosine, and Adenine at Electrodes Studied by Differential Pulse Voltammetry and Electrochemical Impedance. <i>Langmuir</i> , 2002, 18, 2326-2330.	1.6	97
22	Enhanced Charge Transport and Incorporation of Redox Mediators in Layer-by-Layer Films Containing PAMAM-Encapsulated Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17478-17483.	1.2	94
23	A glucose biosensor using methyl viologen redox mediator on carbon film electrodes. <i>Analytica Chimica Acta</i> , 2005, 532, 145-151.	2.6	92
24	Comparative Study of Different Cross-Linking Agents for the Immobilization of Functionalized Carbon Nanotubes within a Chitosan Film Supported on a Graphite/Epoxy Composite Electrode. <i>Analytical Chemistry</i> , 2009, 81, 5364-5372.	3.2	91
25	Development of Novel Glucose and Pyruvate Biosensors at Poly(Neutral Red) Modified Carbon Film Electrodes. Application to Natural Samples. <i>Electroanalysis</i> , 2006, 18, 748-756.	1.5	90
26	The wall-jet ring-disc electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983, 148, 201-210.	0.3	89
27	Tyrosinase biosensor based on a glassy carbon electrode modified with multi-walled carbon nanotubes and 1-butyl-3-methylimidazolium chloride within a dihexadecylphosphate film. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1101-1108.	4.0	89
28	Direct electron transfer of glucose oxidase at glassy carbon electrode modified with functionalized carbon nanotubes within a dihexadecylphosphate film. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 411-417.	4.0	88
29	Development of electrochemical oxidase biosensors based on carbon nanotube-modified carbon film electrodes for glucose and ethanol. <i>Electrochimica Acta</i> , 2008, 53, 6732-6739.	2.6	84
30	Simple electrochemical sensor for caffeine based on carbon and Nafion-modified carbon electrodes. <i>Food Chemistry</i> , 2014, 149, 215-220.	4.2	84
31	Characterisation of poly(neutral red) modified carbon film electrodes; application as a redox mediator for biosensors. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 899-908.	1.2	83
32	The electrochemical behaviour and corrosion of aluminium in chloride media. The effect of inhibitor anions. <i>Corrosion Science</i> , 1994, 36, 915-923.	3.0	82
33	Influence of Nafion Coatings and Surfactant on the Stripping Voltammetry of Heavy Metals at Bismuth-Film Modified Carbon Film Electrodes. <i>Electroanalysis</i> , 2006, 18, 854-861.	1.5	81
34	Ultrasound-Enhanced Anodic Stripping Voltammetry Using Perfluorosulfonated Ionomer-Coated Mercury Thin-Film Electrodes. <i>Analytical Chemistry</i> , 1997, 69, 1651-1656.	3.2	80
35	Poly(neutral red): Electrosynthesis, Characterization, and Application as a Redox Mediator. <i>Electroanalysis</i> , 2008, 20, 1275-1285.	1.5	80
36	Polypyrrole/copper hexacyanoferrate hybrid as redox mediator for glucose biosensors. <i>Talanta</i> , 2006, 69, 403-408.	2.9	78

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37	Development of Greener Multi-Responsive Chitosan Biomaterials Doped with Biocompatible Ammonium Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1480-1492.	3.2	78
38	A new self-assembled layer-by-layer glucose biosensor based on chitosan biopolymer entrapped enzyme with nitrogen doped graphene. <i>Bioelectrochemistry</i> , 2014, 99, 46-52.	2.4	76
39	Electrosynthesis and properties of conducting polymers derived from aminobenzoic acids and from aminobenzoic acids and aniline. <i>Synthetic Metals</i> , 2001, 123, 1-9.	2.1	75
40	An alcohol oxidase biosensor using PNR redox mediator at carbon film electrodes. <i>Talanta</i> , 2008, 74, 1505-1510.	2.9	74
41	Carbon film resistor electrode for amperometric determination of acetaminophen in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1622-1627.	1.4	72
42	Glucose oxidase inhibition in poly(neutral red) mediated enzyme biosensors for heavy metal determination. <i>Mikrochimica Acta</i> , 2008, 163, 185-193.	2.5	72
43	Simultaneous Determination of Cadmium, Lead, Copper and Mercury Ions Using Organofunctionalized SBA-15 Nanostructured Silica Modified Graphene/Polyurethane Composite Electrode. <i>Electroanalysis</i> , 2010, 22, 61-68.	1.5	72
44	Cathodic stripping voltammetry of trace Mn(II) at carbon film electrodes. <i>Talanta</i> , 2003, 61, 643-650.	2.9	69
45	Glucose oxidase enzyme inhibition sensors for heavy metals at carbon film electrodes modified with cobalt or copper hexacyanoferrate. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 270-278.	4.0	68
46	Electrochemical Impedance Spectroscopy in the Characterisation and Application of Modified Electrodes for Electrochemical Sensors and Biosensors. <i>Molecules</i> , 2022, 27, 1497.	1.7	67
47	Chemically modified graphene and nitrogen-doped graphene: Electrochemical characterisation and sensing applications. <i>Electrochimica Acta</i> , 2013, 114, 533-542.	2.6	65
48	Highly sensitive amperometric enzyme biosensor for detection of superoxide based on conducting polymer/CNT modified electrodes and superoxide dismutase. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 574-582.	4.0	65
49	A novel sensitive amperometric choline biosensor based on multiwalled carbon nanotubes and gold nanoparticles. <i>Talanta</i> , 2017, 167, 462-469.	2.9	64
50	Development and evaluation of electrochemical glucose enzyme biosensors based on carbon film electrodes. <i>Talanta</i> , 2005, 65, 306-312.	2.9	63
51	Anodic stripping voltammetry of trace metals by batch injection analysis. <i>Analytica Chimica Acta</i> , 1996, 322, 151-157.	2.6	62
52	Poly(brilliant cresyl blue) modified glassy carbon electrodes: Electrosynthesis, characterisation and application in biosensors. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 35-42.	1.9	62
53	Characterization of Carbon Film Electrodes for Electroanalysis by Electrochemical Impedance. <i>Electroanalysis</i> , 2004, 16, 994-1001.	1.5	59
54	Electrochemical sensing in solution—origins, applications and future perspectives. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1487-1494.	1.2	59

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55	A novel amperometric sensor for ascorbic acid based on poly(Nile blue A) and functionalised multi-walled carbon nanotube modified electrodes. <i>Talanta</i> , 2013, 111, 76-84.	2.9	59
56	Nanostructured electropolymerized poly(methylene blue) films from deep eutectic solvents. Optimization and characterization. <i>Electrochimica Acta</i> , 2017, 232, 285-295.	2.6	59
57	Carbon Film Resistors as Electrodes: Voltammetric Properties and Application in Electroanalysis. <i>Electroanalysis</i> , 2001, 13, 765-769.	1.5	58
58	Glassy carbon electrodes modified by multiwalled carbon nanotubes and poly(neutral red): A comparative study of different brands and application to electrocatalytic ascorbate determination. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1675-1685.	1.9	58
59	Nafion-coated mercury thin film electrodes for batch-injection analysis with anodic stripping voltammetry. <i>Talanta</i> , 1996, 43, 2015-2022.	2.9	57
60	Simple and Efficient Epinephrine Sensor Based on Carbon Nanotube Modified Carbon Film Electrodes. <i>Analytical Letters</i> , 2013, 46, 1379-1393.	1.0	57
61	An improved biosensor for acetaldehyde determination using a bienzymatic strategy at poly(neutral) Tj ETQq1 1 0.784314 rgBT /Overbo	2.6	56
62	New electrode architectures based on poly(methylene green) and functionalized carbon nanotubes: Characterization and application to detection of acetaminophen and pyridoxine. <i>Journal of Electroanalytical Chemistry</i> , 2015, 736, 8-15.	1.9	56
63	Electrochemical characterisation of poly(3,4-ethylenedioxythiophene) film modified glassy carbon electrodes prepared in deep eutectic solvents for simultaneous sensing of biomarkers. <i>Electrochimica Acta</i> , 2016, 187, 704-713.	2.6	56
64	Tyrosinase based amperometric biosensor for determination of tyramine in fermented food and beverages with gold nanoparticle doped poly(8-anilino-1-naphthalene sulphonic acid) modified electrode. <i>Food Chemistry</i> , 2019, 282, 18-26.	4.2	56
65	Poly(ester sulphonic acid) coated mercury thin film electrodes: characterization and application in batch injection analysis stripping voltammetry of heavy metal ions. <i>Talanta</i> , 2000, 50, 1223-1231.	2.9	55
66	Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2020, 92, 641-694.	0.9	55
67	Electrochemical, EIS and AFM characterisation of biosensors: Trioxysilane solâ€“gel encapsulated glucose oxidase with two different redox mediators. <i>Electrochimica Acta</i> , 2006, 52, 1-8.	2.6	54
68	Amperometric batch injection analysis: Theoretical aspects of current transients and comparison with wall-jet electrodes in continuous flow. <i>Electroanalysis</i> , 1995, 7, 225-229.	1.5	53
69	Novel polymer-modified electrodes for batch injection sensors and application to environmental analysis. <i>Journal of Electroanalytical Chemistry</i> , 1999, 468, 26-33.	1.9	53
70	Improved glucose label-free biosensor with layer-by-layer architecture and conducting polymer poly(3,4-ethylenedioxythiophene). <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3227-3234.	4.0	53
71	Choline oxidase inhibition biosensor based on poly(brilliant cresyl blue) â€“ deep eutectic solvent / carbon nanotube modified electrode for dichlorvos organophosphorus pesticide. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126862.	4.0	53
72	An EIS study of DNA-modified electrodes. <i>Electrochimica Acta</i> , 1999, 44, 4233-4239.	2.6	52

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73	Characterization of cobalt- and copper hexacyanoferrate-modified carbon film electrodes for redox-mediated biosensors. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 354-362.	1.2	52
74	Enzyme immobilisation on electroactive nanostructured membranes (ENM): Optimised architectures for biosensing. <i>Talanta</i> , 2008, 76, 922-928.	2.9	51
75	Characterisation by EIS of ternary Mg alloys synthesised by mechanical alloying. <i>Electrochimica Acta</i> , 2006, 51, 1752-1760.	2.6	50
76	Conducting polymers from aminobenzoic acids and aminobenzenesulphonic acids: influence of pH on electrochemical behaviour. <i>Journal of Electroanalytical Chemistry</i> , 2002, 538-539, 215-222.	1.9	49
77	A new, improved sensor for ascorbate determination at copper hexacyanoferrate modified carbon film electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 972-978.	1.9	49
78	Development and characterization of a new conducting carbon composite electrode. <i>Analytica Chimica Acta</i> , 2009, 635, 71-78.	2.6	49
79	Development of a Carbon Film Electrode Ferrocene-Mediated Glucose Biosensor. <i>Analytical Letters</i> , 2005, 38, 907-920.	1.0	47
80	Mechanical characterization of single-walled carbon nanotubes: Numerical simulation study. <i>Composites Part B: Engineering</i> , 2015, 75, 73-85.	5.9	47
81	Novel biosensor for acetylcholine based on acetylcholinesterase/poly(neutral red) " Deep eutectic solvent/Fe ₂ O ₃ nanoparticle modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 114050.	1.9	47
82	Poly(neutral red) based hydrogen peroxide biosensor for chromium determination by inhibition measurements. <i>Journal of Hazardous Materials</i> , 2014, 279, 348-355.	6.5	46
83	Poly(brilliant green) and poly(thionine) modified carbon nanotube coated carbon film electrodes for glucose and uric acid biosensors. <i>Talanta</i> , 2014, 130, 198-206.	2.9	46
84	Recent advances in layer-by-layer strategies for biosensors incorporating metal nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 286-296.	5.8	46
85	Catalase based hydrogen peroxide biosensor for mercury determination by inhibition measurements. <i>Journal of Hazardous Materials</i> , 2017, 340, 344-350.	6.5	46
86	Characterization of novel glucose oxysilane sol-gel electrochemical biosensors with copper hexacyanoferrate mediator. <i>Electrochimica Acta</i> , 2005, 50, 4973-4980.	2.6	45
87	Bioelectroanalysis of pharmaceutical compounds. <i>Bioanalytical Reviews</i> , 2012, 4, 31-53.	0.1	45
88	Highly sensitive poly(3,4-ethylenedioxythiophene) modified electrodes by electropolymerisation in deep eutectic solvents. <i>Electrochemistry Communications</i> , 2014, 44, 8-11.	2.3	45
89	Nitrogen doped graphene and its derivatives as sensors and efficient direct electron transfer platform for enzyme biosensors. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 579-587.	4.0	45
90	Development and Characterization of Cobalt Hexacyanoferrate Modified Carbon Electrodes for Electrochemical Enzyme Biosensors. <i>Analytical Letters</i> , 2004, 37, 871-886.	1.0	43

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91	β-Cyclodextrin carbon nanotube-enhanced sensor for ciprofloxacin detection. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 313-319.	0.9	43
92	Design of a new hypoxanthine biosensor: xanthine oxidase modified carbon film and multi-walled carbon nanotube/carbon film electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3813-3822.	1.9	41
93	Adsorptive stripping voltammetry of cobalt and nickel in flow systems at wall-jet electrodes. <i>Electroanalysis</i> , 1991, 3, 683-689.	1.5	40
94	A Graphite-Polyurethane Composite Electrode for the Analysis of Furosemide. <i>Electroanalysis</i> , 2008, 20, 2287-2293.	1.5	40
95	Characterization and Application of Bismuth-Film Modified Graphite-Polyurethane Composite Electrodes. <i>Electroanalysis</i> , 2010, 22, 1437-1445.	1.5	40
96	Electrochemical behaviour of self-assembly multilayer films based on iron-substituted Keggin polyoxotungstates. <i>Thin Solid Films</i> , 2010, 518, 5881-5888.	0.8	40
97	Layer-by-layer self-assembly and electrocatalytic properties of poly(ethylenimine)-silicotungstate multilayer composite films. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 811-819.	1.2	40
98	Methylene Blue/Multiwall Carbon Nanotube Modified Electrode for the Amperometric Determination of Hydrogen Peroxide. <i>Electroanalysis</i> , 2011, 23, 2290-2296.	1.5	39
99	Preparation and characterisation of poly(3,4-ethylenedioxythiophene) and poly(3,4-ethylenedioxythiophene)/poly(neutral red) modified carbon film electrodes, and application as sensors for hydrogen peroxide. <i>Electrochimica Acta</i> , 2011, 56, 3685-3692.	2.6	39
100	Amperometric and Voltammetric Detection in Batch Injection Analysis. <i>Analytical Chemistry</i> , 1994, 66, 3145-3150.	3.2	38
101	Electrochemical noise and impedance study of aluminium in weakly acid chloride solution. <i>Electrochimica Acta</i> , 2004, 49, 785-793.	2.6	38
102	Behavioural responses of indigenous benthic invertebrates (<i>Echinogammarus meridionalis</i> ,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T study. <i>Environmental Pollution</i> , 2008, 156, 966-973.	3.7	38
103	Direct Electrochemical Determination of Glyphosate at Copper Phthalocyanine/Multiwalled Carbon Nanotube Film Electrodes. <i>Electroanalysis</i> , 2010, 22, 1586-1591.	1.5	38
104	Enhanced host-guest electrochemical recognition of herbicide MCPA using a β-cyclodextrin carbon nanotube sensor. <i>Talanta</i> , 2012, 99, 288-293.	2.9	38
105	Poly(thionine)-carbon nanotube modified carbon film electrodes and application to the simultaneous determination of acetaminophen and dipyrone. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2869-2881.	1.2	38
106	Gold nanoparticle decorated multiwalled carbon nanotube modified electrodes for the electrochemical determination of theophylline. <i>Analytical Methods</i> , 2018, 10, 5634-5642.	1.3	38
107	Electrochemical Sensor Based on Multi-walled Carbon Nanotube/Gold Nanoparticle Modified Glassy Carbon Electrode for Detection of Estradiol in Environmental Samples. <i>Electroanalysis</i> , 2019, 31, 1925-1933.	1.5	38
108	Electroanalytical Techniques for the Future: The Challenges of Miniaturization and of Real-Time Measurements. <i>Electroanalysis</i> , 1999, 11, 1013-1016.	1.5	37

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109	Voltammetric studies and stripping voltammetry of Mn(II) at the wall-jet ring-disc electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 258, 345-355.	0.3	36
110	Electrochemical Impedance Characterization of Nafion-Coated Carbon Film Resistor Electrodes for Electroanalysis. <i>Electroanalysis</i> , 2005, 17, 549-555.	1.5	36
111	Development of electrochemical biosensors based on sol-gel enzyme encapsulation and protective polymer membranes. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1121-1131.	1.9	36
112	L-lactate selective impedimetric bienzymatic biosensor based on lactate dehydrogenase and pyruvate oxidase. <i>Electrochimica Acta</i> , 2017, 231, 209-215.	2.6	36
113	Nanocomposites based on carbon nanotubes and redox-active polymers synthesized in a deep eutectic solvent as a new electrochemical sensing platform. <i>Mikrochimica Acta</i> , 2017, 184, 3919-3927.	2.5	36
114	Inhibition of aluminium corrosion in chloride media: an impedance study. <i>Journal of Applied Electrochemistry</i> , 1994, 24, 1158.	1.5	35
115	Electropolymerisation and properties of conducting polymers derived from aminobenzenesulphonic acids and from mixtures with aniline. <i>Synthetic Metals</i> , 2001, 125, 445-451.	2.1	35
116	Carbon film electrodes for oxidase-based enzyme sensors in food analysis. <i>Talanta</i> , 2005, 68, 171-178.	2.9	35
117	Virgin olive oil ortho-phenolsâ€™ electroanalytical quantification. <i>Talanta</i> , 2013, 105, 179-186.	2.9	35
118	Novel nanocomposite film modified electrode based on poly(brilliant cresyl blue)-deep eutectic solvent/carbon nanotubes and its biosensing applications. <i>Electrochimica Acta</i> , 2019, 317, 766-777.	2.6	35
119	Development and Applications of a Bienzymatic Amperometric Glycerol Biosensor Based on a Poly(Neutral Red) Modified Carbon Film Electrode. <i>Analytical Letters</i> , 2006, 39, 1527-1542.	1.0	34
120	Carbon Nanotube, Carbon Black and Copper Nanoparticle Modified Screen Printed Electrodes for Amino Acid Determination. <i>Electroanalysis</i> , 2013, 25, 903-913.	1.5	34
121	Biotoxic trace metal ion detection by enzymatic inhibition of a glucose biosensor based on a poly(brilliant green)â€™ deep eutectic solvent/carbon nanotube modified electrode. <i>Talanta</i> , 2020, 208, 120427.	2.9	34
122	New CNT/poly(brilliant green) and CNT/poly(3,4-ethylenedioxythiophene) based electrochemical enzyme biosensors. <i>Analytica Chimica Acta</i> , 2016, 927, 35-45.	2.6	33
123	Properties of polyaniline formed at tin dioxide electrodes in weak acid solution: effect of the counterion. <i>Journal of Applied Electrochemistry</i> , 1993, 23, 332-338.	1.5	31
124	Determination of mercury(ii) by invertase enzyme inhibition coupled with batch injection analysis. <i>Analyst</i> , 2002, 127, 1088-1093.	1.7	31
125	Copper-modified gold electrode specific for monosaccharide detection Use in amperometric determination of phenylmercury based on invertase enzyme inhibition. <i>Talanta</i> , 2004, 62, 951-958.	2.9	31
126	Electroactive Nanostructured Membranes (ENM): Synthesis and Electrochemical Properties of Redox Mediator-Modified Gold Nanoparticles Using a Dendrimer Layer-by-Layer Approach. <i>Electroanalysis</i> , 2007, 19, 805-812.	1.5	31

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127	Electrochemical impedance study of self-assembled layer-by-layer iron-silicotungstate/poly(ethylenimine) modified electrodes. <i>Electrochimica Acta</i> , 2011, 56, 7940-7945.	2.6	31
128	Preparation and electrochemical properties of modified electrodes with Keggin-type silicotungstates and PEDOT. <i>Journal of Electroanalytical Chemistry</i> , 2011, 660, 50-56.	1.9	31
129	Vanillylmandelic and Homovanillic acid: Electroanalysis at non-modified and polymer-modified carbon-based electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 22-32.	1.9	31
130	Electrosynthesis and characterisation of poly(safranin T) electroactive polymer films. <i>Thin Solid Films</i> , 2009, 517, 5435-5441.	0.8	30
131	Carbon nanotube modified carbon cloth electrodes: Characterisation and application as biosensors. <i>Electrochimica Acta</i> , 2012, 85, 203-209.	2.6	30
132	Design and application of a flow cell for carbon-film based electrochemical enzyme biosensors. <i>Talanta</i> , 2007, 71, 1893-1900.	2.9	29
133	A new modified conducting carbon composite electrode as sensor for ascorbate and biosensor for glucose. <i>Bioelectrochemistry</i> , 2009, 76, 135-140.	2.4	29
134	Ceramic-Based Multisite Platinum Microelectrode Arrays: Morphological Characteristics and Electrochemical Performance for Extracellular Oxygen Measurements in Brain Tissue. <i>Analytical Chemistry</i> , 2017, 89, 1674-1683.	3.2	29
135	Impedimetric sensor for tyramine based on gold nanoparticle doped-poly(8-anilino-1-naphthalene) Tj ETQq1 1 0.784314 rgBT/Overlo	2.9	29
136	Polymer/Iron Oxide Nanoparticle Modified Glassy Carbon Electrodes for the Enhanced Detection of Epinephrine. <i>Electroanalysis</i> , 2019, 31, 704-710.	1.5	29
137	AFM nanometer surface morphological study of in situ electropolymerized neutral red redox mediator oxysilane sol-gel encapsulated glucose oxidase electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 297-305.	5.3	28
138	Analytical Potentialities of Carbon Nanotube/Silicone Rubber Composite Electrodes: Determination of Propranolol. <i>Electroanalysis</i> , 2010, 22, 2776-2783.	1.5	28
139	Electrochemical Characterization of and Stripping Voltammetry at Screen Printed Electrodes Modified with Different Brands of Multiwall Carbon Nanotubes and Bismuth Films. <i>Analytical Letters</i> , 2012, 45, 395-407.	1.0	28
140	Influence of heat treatment on the corrosion of high speed steel. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 65-72.	1.5	27
141	Determination of Chromium(VI) by Batch Injection Analysis and Adsorptive Stripping Voltammetry. <i>Analytical Letters</i> , 2003, 36, 955-969.	1.0	27
142	Methylene blue and neutral red electropolymerisation on AuQCM and on modified AuQCM electrodes: an electrochemical and gravimetric study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5462.	1.3	27
143	Carbon nanotube β -cyclodextrin-modified electrode for quantification of cocaine in seized street samples. <i>Ionics</i> , 2016, 22, 2511-2518.	1.2	27
144	Iron Oxide Nanoparticle and Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes. Application to Levodopa Detection. <i>Electroanalysis</i> , 2018, 30, 1342-1348.	1.5	27

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