

Christopher Brett

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3340081/christopher-brett-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

283
papers

9,369
citations

51
h-index

78
g-index

297
ext. papers

10,310
ext. citations

4.7
avg, IF

6.65
L-index

#	Paper	IF	Citations
283	Measurement of pH. Definition, standards, and procedures (IUPAC Recommendations 2002). <i>Pure and Applied Chemistry</i> , 2002 , 74, 2169-2200	2.1	385
282	Deep eutectic solvents for the production and application of new materials. <i>Applied Materials Today</i> , 2018 , 10, 30-50	6.6	270
281	Electrochemical sensors and biosensors based on redox polymer/carbon nanotube modified electrodes: a review. <i>Analytica Chimica Acta</i> , 2015 , 881, 1-23	6.6	254
280	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	5.1	168
279	On the electrochemical behaviour of aluminium in acidic chloride solution. <i>Corrosion Science</i> , 1992 , 33, 203-210	6.8	160
278	Electrochemical impedance studies of chitosan-modified electrodes for application in electrochemical sensors and biosensors. <i>Electrochimica Acta</i> , 2010 , 55, 6239-6247	6.7	143
277	On the adsorption and electrochemical oxidation of DNA at glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 366, 225-231	4.1	134
276	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	8.5	133
275	The application of electrochemical impedance techniques to aluminium corrosion in acidic chloride solution. <i>Journal of Applied Electrochemistry</i> , 1990 , 20, 1000-1003	2.6	130
274	Characterisation of passive films formed on mild steels in bicarbonate solution by EIS. <i>Electrochimica Acta</i> , 2002 , 47, 2081-2091	6.7	113
273	Application of functionalised carbon nanotubes immobilised into chitosan films in amperometric enzyme biosensors. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 308-315	8.5	110
272	Phenazines and Polyphenazines in Electrochemical Sensors and Biosensors. <i>Analytical Letters</i> , 2010 , 43, 1588-1608	2.2	93
271	Characterization and Application of Bismuth-Film Modified Carbon Film Electrodes. <i>Electroanalysis</i> , 2005 , 17, 1354-1359	3	93
270	Poly(methylene blue) modified electrode sensor for haemoglobin. <i>Analytica Chimica Acta</i> , 1999 , 385, 119-123	6.6	90
269	Direct electrochemical determination of carbaryl using a multi-walled carbon nanotube/cobalt phthalocyanine modified electrode. <i>Talanta</i> , 2009 , 79, 1406-11	6.2	89
268	Adsorption of Guanine, Guanosine, and Adenine at Electrodes Studied by Differential Pulse Voltammetry and Electrochemical Impedance. <i>Langmuir</i> , 2002 , 18, 2326-2330	4	89
267	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, 17478-83	3.4	88

266	Electrosynthesis and electrochemical characterisation of phenazine polymers for application in biosensors. <i>Electrochimica Acta</i> , 2008 , 53, 3973-3982	6.7	85
265	Corrosion protection of aluminium alloy by cerium conversion and conducting polymer duplex coatings. <i>Corrosion Science</i> , 2012 , 63, 342-350	6.8	83
264	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, 5364-72	7.8	83
263	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, 5346-57	4.8	82
262	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	3	80
261	A glucose biosensor using methyl viologen redox mediator on carbon film electrodes. <i>Analytica Chimica Acta</i> , 2005 , 532, 145-151	6.6	79
260	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	8.5	78
259	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	8.5	77
258	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	6.7	76
257	Electrochemical sensors for environmental monitoring. Strategy and examples. <i>Pure and Applied Chemistry</i> , 2001 , 73, 1969-1977	2.1	74
256	Simple electrochemical sensor for caffeine based on carbon and Nafion-modified carbon electrodes. <i>Food Chemistry</i> , 2014 , 149, 215-20	8.5	73
255	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	2.6	72
254	The wall-jet ring-disc electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983 , 148, 201-210		72
253	An alcohol oxidase biosensor using PNR redox mediator at carbon film electrodes. <i>Talanta</i> , 2008 , 74, 1505-10	6.2	70
252	Polypyrrole/copper hexacyanoferrate hybrid as redox mediator for glucose biosensors. <i>Talanta</i> , 2006 , 69, 403-8	6.2	70
251	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	5.6	68
250	Electrosynthesis and properties of conducting polymers derived from aminobenzoic acids and from aminobenzoic acids and aniline. <i>Synthetic Metals</i> , 2001 , 123, 1-9	3.6	67
249	The electrochemical behaviour and corrosion of aluminium in chloride media. The effect of inhibitor anions. <i>Corrosion Science</i> , 1994 , 36, 915-923	6.8	67

248	Poly(neutral red): Electrosynthesis, Characterization, and Application as a Redox Mediator. <i>Electroanalysis</i> , 2008 , 20, 1275-1285	3	66
247	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	3	64
246	Ultrasound-Enhanced Anodic Stripping Voltammetry Using Perfluorosulfonated Ionomer-Coated Mercury Thin-Film Electrodes. <i>Analytical Chemistry</i> , 1997 , 69, 1651-1656	7.8	63
245	Glucose oxidase inhibition in poly(neutral red) mediated enzyme biosensors for heavy metal determination. <i>Mikrochimica Acta</i> , 2008 , 163, 185-193	5.8	63
244	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	8.5	61
243	Simultaneous Determination of Cadmium, Lead, Copper and Mercury Ions Using Organofunctionalized SBA-15 Nanostructured Silica Modified GraphitePolyurethane Composite Electrode. <i>Electroanalysis</i> , 2010 , 22, 61-68	3	60
242	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	8.5	58
241	Development of Greener Multi-Responsive Chitosan Biomaterials Doped with Biocompatible Ammonium Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1480-1492	8.3	58
240	Chemically modified graphene and nitrogen-doped graphene: Electrochemical characterisation and sensing applications. <i>Electrochimica Acta</i> , 2013 , 114, 533-542	6.7	57
239	Poly(brilliant cresyl blue) modified glassy carbon electrodes: Electrosynthesis, characterisation and application in biosensors. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 629, 35-42	4.1	56
238	Carbon film resistor electrode for amperometric determination of acetaminophen in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 43, 1622-7	3.5	56
237	Development and evaluation of electrochemical glucose enzyme biosensors based on carbon film electrodes. <i>Talanta</i> , 2005 , 65, 306-12	6.2	55
236	An improved biosensor for acetaldehyde determination using a bienzymatic strategy at poly(neutral red) modified carbon film electrodes. <i>Analytica Chimica Acta</i> , 2007 , 591, 80-6	6.6	54
235	Cathodic stripping voltammetry of trace Mn(II) at carbon film electrodes. <i>Talanta</i> , 2003 , 61, 643-50	6.2	54
234	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, 1675-85	4.4	53
233	Anodic stripping voltammetry of trace metals by batch injection analysis. <i>Analytica Chimica Acta</i> , 1996 , 322, 151-157	6.6	51
232	Deep eutectic solvents and applications in electrochemical sensing. <i>Current Opinion in Electrochemistry</i> , 2018 , 10, 143-148	7.2	51
231	Characterization of Carbon Film Electrodes for Electroanalysis by Electrochemical Impedance. <i>Electroanalysis</i> , 2004 , 16, 994-1001	3	50

230	Carbon Film Resistors as Electrodes: Voltammetric Properties and Application in Electroanalysis. <i>Electroanalysis</i> , 2001 , 13, 765-769	3	50
229	An EIS study of DNA-modified electrodes. <i>Electrochimica Acta</i> , 1999 , 44, 4233-4239	6.7	49
228	Enzyme immobilisation on electroactive nanostructured membranes (ENM): optimised architectures for biosensing. <i>Talanta</i> , 2008 , 76, 922-8	6.2	48
227	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	2.6	48
226	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	4.1	47
225	Development and characterization of a new conducting carbon composite electrode. <i>Analytica Chimica Acta</i> , 2009 , 635, 71-8	6.6	47
224	Electrochemical, EIS and AFM characterisation of biosensors: Trioxysilane sol-gel encapsulated glucose oxidase with two different redox mediators. <i>Electrochimica Acta</i> , 2006 , 52, 1-8	6.7	47
223	Nafion-coated mercury thin film electrodes for batch-injection analysis with anodic stripping voltammetry. <i>Talanta</i> , 1996 , 43, 2015-22	6.2	47
222	A novel sensitive amperometric choline biosensor based on multiwalled carbon nanotubes and gold nanoparticles. <i>Talanta</i> , 2017 , 167, 462-469	6.2	46
221	Simple and Efficient Epinephrine Sensor Based on Carbon Nanotube Modified Carbon Film Electrodes. <i>Analytical Letters</i> , 2013 , 46, 1379-1393	2.2	46
220	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	6.2	46
219	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, 1223-31	6.2	46
218	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	3	46
217	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	6.7	45
216	Characterisation by EIS of ternary Mg alloys synthesised by mechanical alloying. <i>Electrochimica Acta</i> , 2006 , 51, 1752-1760	6.7	45
215	Novel polymer-modified electrodes for batch injection sensors and application to environmental analysis. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 468, 26-33	4.1	45
214	Nanostructured electropolymerized poly(methylene blue) films from deep eutectic solvents. Optimization and characterization. <i>Electrochimica Acta</i> , 2017 , 232, 285-295	6.7	43
213	A new, improved sensor for ascorbate determination at copper hexacyanoferrate modified carbon film electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 972-8	4.4	42

212	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	4.1	40
211	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	8.5	39
210	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	8.5	39
209	Electrochemical behaviour of self-assembly multilayer films based on iron-substituted Keggin polyoxotungstates. <i>Thin Solid Films</i> , 2010 , 518, 5881-5888	2.2	39
208	Poly(neutral red) based hydrogen peroxide biosensor for chromium determination by inhibition measurements. <i>Journal of Hazardous Materials</i> , 2014 , 279, 348-55	12.8	38
207	Mechanical characterization of single-walled carbon nanotubes: Numerical simulation study. <i>Composites Part B: Engineering</i> , 2015 , 75, 73-85	10	38
206	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	2.6	38
205	Behavioural responses of indigenous benthic invertebrates (<i>Echinogammarus meridionalis</i> , <i>Hydropsyche pellucidula</i> and <i>Choroterpes picteti</i>) to a pulse of Acid Mine Drainage: a laboratorial study. <i>Environmental Pollution</i> , 2008 , 156, 966-73	9.3	38
204	Characterization of novel glucose oxysilane sol-gel electrochemical biosensors with copper hexacyanoferrate mediator. <i>Electrochimica Acta</i> , 2005 , 50, 4973-4980	6.7	38
203	Recent advances in layer-by-layer strategies for biosensors incorporating metal nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 79, 286-296	14.6	36
202	Highly sensitive poly(3,4-ethylenedioxythiophene) modified electrodes by electropolymerisation in deep eutectic solvents. <i>Electrochemistry Communications</i> , 2014 , 44, 8-11	5.1	36
201	Electrochemical sensing in solution dyes, applications and future perspectives. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1487-1494	2.6	36
200	A Graphite-Polyurethane Composite Electrode for the Analysis of Furosemide. <i>Electroanalysis</i> , 2008 , 20, 2287-2293	3	36
199	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	6.2	35
198	Bioelectroanalysis of pharmaceutical compounds. <i>Bioanalytical Reviews</i> , 2012 , 4, 31-53	1	35
197	Characterization and Application of Bismuth-Film Modified Graphite-Polyurethane Composite Electrodes. <i>Electroanalysis</i> , 2010 , 22, 1437-1445	3	35
196	Development and Characterization of Cobalt Hexacyanoferrate Modified Carbon Electrodes for Electrochemical Enzyme Biosensors. <i>Analytical Letters</i> , 2004 , 37, 871-886	2.2	35
195	Development of a Carbon Film Electrode Ferrocene-Mediated Glucose Biosensor. <i>Analytical Letters</i> , 2005 , 38, 907-920	2.2	35

194	Enhanced host-guest electrochemical recognition of herbicide MCPA using a β -cyclodextrin carbon nanotube sensor. <i>Talanta</i> , 2012 , 99, 288-93	6.2	34
193	Adsorptive stripping voltammetry of cobalt and nickel in flow systems at wall-jet electrodes. <i>Electroanalysis</i> , 1991 , 3, 683-689	3	34
192	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, 3813-22	4.4	33
191	Carbon Nanotube, Carbon Black and Copper Nanoparticle Modified Screen Printed Electrodes for Amino Acid Determination. <i>Electroanalysis</i> , 2013 , 25, 903-913	3	33
190	Methylene Blue/Multiwall Carbon Nanotube Modified Electrode for the Amperometric Determination of Hydrogen Peroxide. <i>Electroanalysis</i> , 2011 , 23, 2290-2296	3	33
189	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	6.7	33
188	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	8.5	33
187	Catalase based hydrogen peroxide biosensor for mercury determination by inhibition measurements. <i>Journal of Hazardous Materials</i> , 2017 , 340, 344-350	12.8	32
186	Development of electrochemical biosensors based on sol-gel enzyme encapsulation and protective polymer membranes. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1121-31	4.4	32
185	Development and Applications of a Bionzymatic Amperometric Glycerol Biosensor Based on a Poly(Neutral Red) Modified Carbon Film Electrode. <i>Analytical Letters</i> , 2006 , 39, 1527-1542	2.2	32
184	Electrochemical noise and impedance study of aluminium in weakly acid chloride solution. <i>Electrochimica Acta</i> , 2004 , 49, 785-793	6.7	32
183	Electrochemical Impedance Characterization of Nafion-Coated Carbon Film Resistor Electrodes for Electroanalysis. <i>Electroanalysis</i> , 2005 , 17, 549-555	3	32
182	Electroanalytical Techniques for the Future: The Challenges of Miniaturization and of Real-Time Measurements. <i>Electroanalysis</i> , 1999 , 11, 1013-1016	3	32
181	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	2.3	31
180	Electropolymerisation and properties of conducting polymers derived from aminobenzenesulphonic acids and from mixtures with aniline. <i>Synthetic Metals</i> , 2001 , 125, 445-451	3.6	31
179	Virgin olive oil ortho-phenols--electroanalytical quantification. <i>Talanta</i> , 2013 , 105, 179-86	6.2	30
178	Electrochemical impedance study of self-assembled layer-by-layer iron silicotungstate/poly(ethylenimine) modified electrodes. <i>Electrochimica Acta</i> , 2011 , 56, 7940-7945	6.7	30
177	Carbon film electrodes for oxidase-based enzyme sensors in food analysis. <i>Talanta</i> , 2005 , 68, 171-8	6.2	29

176	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		29
175	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	5.8	29
174	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	3	28
173	Design and application of a flow cell for carbon-film based electrochemical enzyme biosensors. <i>Talanta</i> , 2007 , 71, 1893-900	6.2	28
172	Determination of mercury(II) by invertase enzyme inhibition coupled with batch injection analysis. <i>Analyst, The</i> , 2002 , 127, 1088-93	5	28
171	Amperometric and Voltammetric Detection in Batch Injection Analysis. <i>Analytical Chemistry</i> , 1994 , 66, 3145-3150	7.8	28
170	Choline oxidase inhibition biosensor based on poly(brilliant cresyl blue) / deep eutectic solvent / carbon nanotube modified electrode for dichlorvos organophosphorus pesticide. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126862	8.5	27
169	A new modified conducting carbon composite electrode as sensor for ascorbate and biosensor for glucose. <i>Bioelectrochemistry</i> , 2009 , 76, 135-40	5.6	27
168	Preparation and electrochemical properties of modified electrodes with Keggin-type silicotungstates and PEDOT. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 660, 50-56	4.1	27
167	Inhibition of aluminium corrosion in chloride media: an impedance study. <i>Journal of Applied Electrochemistry</i> , 1994 , 24, 1158	2.6	27
166	Carbon nanotube modified carbon cloth electrodes: Characterisation and application as biosensors. <i>Electrochimica Acta</i> , 2012 , 85, 203-209	6.7	26
165	Copper-modified gold electrode specific for monosaccharide detection Use in amperometric determination of phenylmercury based on invertase enzyme inhibition. <i>Talanta</i> , 2004 , 62, 951-8	6.2	26
164	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	6.7	25
163	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	2.6	25
162	Batch-injection stripping voltammetry (tube-less flow-injection analysis) of trace metals with on-line sample pretreatment. <i>Talanta</i> , 2005 , 68, 394-400	6.2	25
161	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	2.6	25
160	New CNT/poly(brilliant green) and CNT/poly(3,4-ethylenedioxythiophene) based electrochemical enzyme biosensors. <i>Analytica Chimica Acta</i> , 2016 , 927, 35-45	6.6	25
159	L-lactate selective impedimetric bienzymatic biosensor based on lactate dehydrogenase and pyruvate oxidase. <i>Electrochimica Acta</i> , 2017 , 231, 209-215	6.7	24

158	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	2.2	24
157	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	3	23
156	Electrochemical Behavior of Verapamil at Graphite/Polyurethane Composite Electrodes: Determination of Release Profiles in Pharmaceutical Samples. <i>Analytical Letters</i> , 2009 , 42, 1119-1135	2.2	23
155	Electrosynthesis and characterisation of poly(safranin T) electroactive polymer films. <i>Thin Solid Films</i> , 2009 , 517, 5435-5441	2.2	23
154	Characterisation and application of carbon film electrodes in room temperature ionic liquid media. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 616, 14-26	4.1	23
153	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	11.8	23
152	Influence of heat treatment on the corrosion of high speed steel. <i>Journal of Applied Electrochemistry</i> , 2001 , 31, 65-72	2.6	23
151	Square-wave anodic stripping voltammetry in stationary and flowing solution: a comparative study. <i>Analyst, The</i> , 1994 , 119, 1229	5	23
150	Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2020 , 92, 641-694	2.1	23
149	Gold nanoparticle decorated multiwalled carbon nanotube modified electrodes for the electrochemical determination of theophylline. <i>Analytical Methods</i> , 2018 , 10, 5634-5642	3.2	23
148	Carbon nanotube β -cyclodextrin modified electrode as enhanced sensing platform for the determination of fungicide pyrimethanil. <i>Food Control</i> , 2016 , 60, 7-11	6.2	22
147	Analytical Potentialities of Carbon Nanotube/Silicone Rubber Composite Electrodes: Determination of Propranolol. <i>Electroanalysis</i> , 2010 , 22, 2776-2783	3	22
146	Determination of Chromium(VI) by Batch Injection Analysis and Adsorptive Stripping Voltammetry. <i>Analytical Letters</i> , 2003 , 36, 955-969	2.2	22
145	Square wave adsorptive stripping voltammetry of molybdenum(VI) in continuous flow at a wall-jet mercury film electrode sensor. <i>Talanta</i> , 1994 , 41, 1597-601	6.2	22
144	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	7.8	21
143	Vanillylmandelic and Homovanillic acid: Electroanalysis at non-modified and polymer-modified carbon-based electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 821, 22-32	4.1	21
142	New Robust Redox and Conducting Polymer Modified Electrodes for Ascorbate Sensing and Glucose Biosensing. <i>Electroanalysis</i> , 2013 , 25, 77-84	3	21
141	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, 5462-5471	2.6	21

140	Development and Application of Oxysilane Sol-Gel Electrochemical Glucose Biosensors Based on Cobalt Hexacyanoferrate Modified Carbon Film Electrodes. <i>Electroanalysis</i> , 2007 , 19, 220-226	3	21
139	Oxygen reduction and diffusion in electroactive nanostructured membranes (ENM) using a layer-by-layer dendrimer-gold nanoparticle approach. <i>Electrochimica Acta</i> , 2007 , 52, 4649-4653	6.7	21
138	Application of Some Room Temperature Ionic Liquids in the Development of Biosensors at Carbon Film Electrodes. <i>Electroanalysis</i> , 2008 , 20, 485-490	3	21
137	Nafion-Coated Mercury Thin Film and Glassy Carbon Electrodes for Electroanalysis: Characterization by Electrochemical Impedance. <i>Electroanalysis</i> , 2001 , 13, 212-218	3	21
136	Electrochemical behaviour of cytochrome c at electrically heated microelectrodes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 19, 127-33	3.5	21
135	Microelectrode arrays: application in batch-injection analysis. <i>Analytica Chimica Acta</i> , 1999 , 385, 257-264	6.6	21
134	Batch injection analysis with adsorptive stripping voltammetry for the determination of traces of nickel and cobalt. <i>Electroanalysis</i> , 1996 , 8, 639-642	3	21
133	Biotoxic trace metal ion detection by enzymatic inhibition of a glucose biosensor based on a poly(brilliant green)-deep eutectic solvent/carbon nanotube modified electrode. <i>Talanta</i> , 2020 , 208, 120427	6.2	21
132	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	4.1	20
131	Iron Oxide Nanoparticle and Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes. Application to Levodopa Detection. <i>Electroanalysis</i> , 2018 , 30, 1342-1348	3	20
130	Carbon nanotube β -cyclodextrin-modified electrode for quantification of cocaine in seized street samples. <i>Ionics</i> , 2016 , 22, 2511-2518	2.7	20
129	New redox and conducting polymer modified electrodes for cholesterol biosensing. <i>Analytical Methods</i> , 2013 , 5, 1199	3.2	20
128	On the suppression of zinc-copper interactions in square wave anodic stripping voltammetry in flowing solution by addition of gallium ions. <i>Analytica Chimica Acta</i> , 1997 , 339, 167-172	6.6	20
127	Voltammetric and impedance studies of inosine-5'-monophosphate and hypoxanthine. <i>Bioelectrochemistry</i> , 2003 , 59, 49-56	5.6	20
126	Influence of alloying on the passive behaviour of steels in bicarbonate medium. <i>Corrosion Science</i> , 2002 , 44, 1949-1965	6.8	20
125	Square wave adsorptive stripping voltammetry of nickel and cobalt at wall-jet electrodes in continuous flow. <i>Electroanalysis</i> , 1996 , 8, 1169-1173	3	20
124	Impedimetric sensor for tyramine based on gold nanoparticle doped-poly(8-anilino-1-naphthalene sulphonic acid) modified gold electrodes. <i>Talanta</i> , 2019 , 195, 604-612	6.2	20
123	A strategy for immobilisation of carbon nanotubes homogenised in room temperature ionic liquids on carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 633, 106-112	4.1	19

122	Corrosion of the component phases presents in high copper dental amalgams. Application of electrochemical impedance spectroscopy and electrochemical noise analysis. <i>Corrosion Science</i> , 2005 , 47, 635-647	6.8	19
121	Graphite-epoxy electrodes modified with functionalised carbon nanotubes and chitosan for the rapid electrochemical determination of dipyrone. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010 , 13, 590-8	1.3	19
120	Electrochemical Investigation and Determination of Levodopa on Poly(Nile Blue-A)/Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2014 , 26, 1320-1325	3	18
119	Development and characterization of poly(3,4-ethylenedioxythiophene)-coated poly(methylene blue)-modified carbon electrodes. <i>Synthetic Metals</i> , 2012 , 161, 2718-2726	3.6	18
118	Mechanism of formation and construction of self-assembled myoglobin/hyaluronic acid multilayer films: an electrochemical QCM, impedance, and AFM study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 15354-61	3.4	18
117	The influence of carbon nanotubes and polyazine redox mediators on the performance of amperometric enzyme biosensors. <i>Mikrochimica Acta</i> , 2010 , 170, 257-265	5.8	18
116	Novel sensor devices and monitoring strategies for green and sustainable chemistry processes. <i>Pure and Applied Chemistry</i> , 2007 , 79, 1969-1980	2.1	18
115	The influence of Triton-X-100 surfactant on the electroanalysis of lead and cadmium at carbon film electrodes [An electrochemical impedance study. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 592, 113-120	4.1	18
114	The corrosion of dental amalgam in artificial salivas: an electrochemical impedance study. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 572, 347-354	4.1	18
113	Corrosion of dental amalgams: electrochemical study of Ag ₂ Ag, Ag ₂ Sn and Sn ₂ Ag phases. <i>Electrochimica Acta</i> , 2001 , 46, 3887-3893	6.7	18
112	Dc anodic stripping voltammetry at mercury thin film electrodes: the shape and position of the stripping peaks at hydrodynamic electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 262, 83-95		18
111	A novel amperometric enzyme inhibition biosensor based on xanthine oxidase immobilised onto glassy carbon electrodes for bisphenol A determination. <i>Talanta</i> , 2018 , 184, 388-393	6.2	17
110	Synthesis, characterization and influence of poly(brilliant green) on the performance of different electrode architectures based on carbon nanotubes and poly(3,4-ethylenedioxythiophene). <i>Electrochimica Acta</i> , 2013 , 98, 199-207	6.7	17
109	Acidic and Basic Functionalized Carbon Nanomaterials as Electrical Bridges in Enzyme Loaded Chitosan/Poly(styrene sulfonate) Self-Assembled Layer-by-Layer Glucose Biosensors. <i>Electroanalysis</i> , 2015 , 27, 2139-2149	3	17
108	A comparison of the electrochemical behaviour of W ₂ Ni (M=Ni, Ti, Al) thin film coatings on high speed steel. <i>Thin Solid Films</i> , 1998 , 322, 263-273	2.2	17
107	Electrochemical Impedance Spectroscopy for Characterization of Electrochemical Sensors and Biosensors. <i>ECS Transactions</i> , 2008 , 13, 67-80	1	17
106	Synthesis, structure, and spectral and electrochemical properties of chromium(III) tris-(8-hydroxyquinolate). <i>Dalton Transactions</i> , 2015 , 44, 11491-503	4.3	16
105	Poly(brilliant green)/carbon nanotube-modified carbon film electrodes and application as sensors. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1571-1580	2.6	16

104	Electrosynthesis and characterisation of poly(Nile blue) films. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 662, 328-333	4.1	16
103	Influence of anions on the corrosion of high speed steel. <i>Journal of Applied Electrochemistry</i> , 1997 , 27, 959-964	2.6	16
102	Interaction of BSA protein with copper evaluated by electrochemical impedance spectroscopy and quartz crystal microbalance. <i>Electrochimica Acta</i> , 2008 , 53, 7460-7466	6.7	16
101	Polymer/Iron Oxide Nanoparticle Modified Glassy Carbon Electrodes for the Enhanced Detection of Epinephrine. <i>Electroanalysis</i> , 2019 , 31, 704-710	3	16
100	Application of room temperature ionic liquids to the development of electrochemical lipase biosensing systems for water-insoluble analytes. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 656, 96-101	4.1	15
99	Electrochemical and surface characterisation of carbon-film-coated piezoelectric quartz crystals. <i>Applied Surface Science</i> , 2009 , 255, 8084-8090	6.7	15
98	Influence of power ultrasound on the corrosion of aluminium and high speed steel. <i>Journal of Applied Electrochemistry</i> , 2002 , 32, 653-660	2.6	15
97	Construction and evaluation of carbon black and poly(ethylene co-vinyl)acetate (EVA) composite electrodes for development of electrochemical (bio)sensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 10-18	8.5	14
96	A biocompatible redox MRI probe based on a Mn(ii)/Mn(iii) porphyrin. <i>Dalton Transactions</i> , 2019 , 48, 3249-3262	4.3	14
95	Electrochemical sensor for simultaneous determination of herbicide MCPA and its metabolite 4-chloro-2-methylphenol. Application to photodegradation environmental monitoring. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4491-9	5.1	14
94	Polyphenazine films as inhibitors of copper corrosion. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 688, 282-288	4.1	14
93	Evaluation of the corrosion protection behaviour of poly(neutral red) films on passivated copper. <i>Corrosion Science</i> , 2011 , 53, 3970-3977	6.8	14
92	Theory of Anodic Stripping Voltammetry at Wall-Jet Electrodes. Simulation of Spatially Differential Stripping and Redeposition Phenomena. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 162-166	3.4	14
91	Strategies, Development and Applications of Polymer-Modified Electrodes for Stripping Analysis. <i>Current Analytical Chemistry</i> , 2008 , 4, 206-214	1.7	14
90	Electroanalytical Detection of the Pesticide Paraquat by Batch Injection Analysis. <i>Analytical Letters</i> , 2007 , 40, 1800-1810	2.2	14
89	Spectral and electrochemical studies on blends of polyaniline and cellulose esters. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 2182-2188	2.9	14
88	Wall-jet electrode linear sweep voltammetry. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 8363-8367		14
87	Transient measurements at the wall-jet ring disc electrode. <i>Journal of Applied Electrochemistry</i> , 1992 , 22, 1011-1016	2.6	14

86	Potential step chronoamperometry at the wall-jet electrode: experimental. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 334, 57-64	4.1	14
85	Nickel- N,N-bis (salicylidene)-1,3-propanediamine (Ni- Salpn) film-modified electrodes. Influence of electrodeposition conditions and of electrode material on electrochemical behaviour in aqueous solution. <i>Electrochimica Acta</i> , 2015 , 178, 80-91	6.7	13
84	Characterisation of screen-printed gold and gold nanoparticle-modified carbon sensors by electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 709, 70-76	4.1	13
83	A corrosion study of nanocrystalline copper thin films. <i>Corrosion Science</i> , 2010 , 52, 3891-3895	6.8	13
82	Novel poly(hexylmethacrylate) composite carbon electrodes modified with Keggin-type tungstophosphate-tetrabutylammonium salts. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 639, 83-87	4.1	13
81	Flow injection analysis using carbon film resistor electrodes for amperometric determination of ambroxol. <i>Talanta</i> , 2008 , 76, 128-33	6.2	13
80	Electrochemical, morphological and microstructural characterization of carbon film resistor electrodes for application in electrochemical sensors. <i>Applied Surface Science</i> , 2008 , 254, 6380-6389	6.7	13
79	An impedance study of the adsorption of nucleic acid bases at glassy carbon electrodes. <i>Bioelectrochemistry</i> , 2002 , 56, 33-5	5.6	13
78	An amperometric method for the determination of trace mercury(II) by formation of complexes with l-tyrosine. <i>Analytica Chimica Acta</i> , 2002 , 464, 123-133	6.6	13
77	Wall jet electrodes: the importance of radial diffusion. <i>Journal of Applied Electrochemistry</i> , 1993 , 23, 98	2.6	13
76	Highly Sensitive Choline Oxidase Enzyme Inhibition Biosensor for Lead Ions Based on Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2017 , 29, 1741-1748	3	12
75	Direct Electrochemical Determination of Glyphosate at Copper Phthalocyanine/Multiwalled Carbon Nanotube Film Electrodes. <i>Electroanalysis</i> , 2010 , 22, n/a-n/a	3	12
74	Carbon-Based Electrodes for Sensitive Electroanalytical Determination of Aminonaphthalenes. <i>Electroanalysis</i> , 2015 , 27, 1556-1564	3	11
73	Iron Phthalocyanine Electrodeposited Films: Characterization and Influence on Dopamine Oxidation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15698-15706	3.8	11
72	Molecular engineering of a π -conjugated polymer film of the azo dye Bismarck Brown Y. <i>RSC Advances</i> , 2016 , 6, 101318-101322	3.7	10
71	Graphite-Polyurethane and Graphite-Silicone Rubber Composite Electrodes for Electrochemical Characterization and Determination of Minoxidil. <i>Electroanalysis</i> , 2013 , 25, 706-715	3	10
70	Poly(Neutral Red)/Cholesterol Oxidase Modified Carbon Film Electrode for Cholesterol Biosensing. <i>Electroanalysis</i> , 2012 , 24, 1547-1553	3	10
69	Characterization of graphite/polyurethane composite electrodes modified with organofunctionalized SBA-15 nanostructured silica in the presence of heavy metal ions. Application to anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2010 , 171, 1-9	5.8	10

68	Electrochemical Synthesis and Characterization of 1,2-Naphthaquinone-4-Sulfonic Acid Doped Polypyrrole. <i>Electroanalysis</i> , 2007 , 19, 303-309	3	10
67	Development of batch injection analysis for electrochemical measurements of trace metal ions in ecotoxicological test media. <i>Journal of Applied Toxicology</i> , 2000 , 20, 477-81	4.1	10
66	Modified electrode voltammetric sensors for trace metals in environmental samples. <i>Journal of the Brazilian Chemical Society</i> , 2000 , 11, 298-303	1.5	10
65	The wall-jet electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 318, 53-59		10
64	The wall-jet ring-disc electrode: The measurement of homogeneous rate constants from steady state ring currents. <i>Electroanalysis</i> , 1991 , 3, 631-636	3	10
63	Trace-metal analysis in hydroponic solutions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1986 , 82, 1071		10
62	Electrochemical Determination of Tyrosine using a Novel Tyrosinase Multi-Walled Carbon Nanotube (MWCNT) Polysulfone Modified Glassy Carbon Electrode (GCE). <i>Analytical Letters</i> , 2020 , 53, 308-321	2.2	10
61	Perspectives and challenges for self-assembled layer-by-layer biosensor and biomaterial architectures. <i>Current Opinion in Electrochemistry</i> , 2018 , 12, 21-26	7.2	10
60	Interaction between myoglobin and hyaluronic acid in layer-by-layer structures: An electrochemical study. <i>Electrochimica Acta</i> , 2010 , 55, 6358-6366	6.7	9
59	Electrochemical corrosion of magnetron sputtered WTiN-coated mild steels in a chloride medium. <i>Surface and Coatings Technology</i> , 2002 , 161, 257-266	4.4	9
58	Changes in the Electrochemical Behavior of Polymeric Carbon Induced by Heat-Treatment and Doping with Lithium Ions. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 721-730	3.9	9
57	Ohmic distortion of current-potential curves at wall-jet electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 381, 99-104	4.1	9
56	Electrochemical studies of zinc in zinc-insulin solution. <i>Analyst, The</i> , 1996 , 121, 1789-93	5	9
55	Electrochemical synthesis and characterization of poly(thionine)-deep eutectic solvent/carbon nanotube-modified electrodes and application to electrochemical sensing. <i>Mikrochimica Acta</i> , 2020 , 187, 609	5.8	9
54	Enhanced selectivity and stability of ruthenium purple-modified carbon fiber microelectrodes for detection of hydrogen peroxide in brain tissue. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127899	8.5	8
53	The nanostructure and microstructure of steels: Electrochemical Tafel behaviour and atomic force microscopy. <i>Corrosion Science</i> , 2005 , 47, 2871-2882	6.8	8
52	Electrochemical synthesis, characterisation and comparative study of new conducting polymers from amino-substituted naphthalene sulfonic acids. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2969-2979	2.6	8
51	Influence of the supramolecular arrangement of iron phthalocyanine thin films on catecholamine oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 836, 7-15	4.1	8

50	Electrochemical characterization of cefadroxil lactam antibiotic and Cu(II) complex formation. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 844, 124-131	4.1	7
49	Sustainable Electro-Responsive Semi-Interpenetrating Starch/Ionic Liquid Copolymer Networks for the Controlled Sorption/Release of Biomolecules. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10516-10532	8.3	7
48	Electrochemical Determination of the Herbicide Bentazone Using a Carbon Nanotube β -Cyclodextrin Modified Electrode. <i>Electroanalysis</i> , 2013 , 25, n/a-n/a	3	7
47	Application of Square Wave Anodic Stripping Voltammetry for Determination of Traces of Ti(II) at Carbon Electrodes In Situ Modified with Bi Films. <i>Electroanalysis</i> , 2011 , 23, 1301-1305	3	7
46	Corrosion of sputtered W/Ni hard coatings in chloride media. <i>Thin Solid Films</i> , 1997 , 311, 1-6	2.2	7
45	Poly(methylene green) β -thaline deep eutectic solvent / Fe ₂ O ₃ nanoparticle modified electrode electrochemical sensor for the antibiotic dapsone. <i>Sensors and Actuators B: Chemical</i> , 2020 , 325, 128747	8.5	7
44	Comparison of Cobalt Hexacyanoferrate and Poly(Neutral Red) Modified Carbon Film Electrodes for the Amperometric Detection of Heavy Metals Based on Glucose Oxidase Enzyme Inhibition. <i>Analytical Letters</i> , 2015 , 48, 659-671	2.2	6
43	Influence of the biological fluid on the corrosion of dental amalgam. <i>Corrosion Science</i> , 2004 , 46, 2803-2816	1.5	6
42	Electroanalysis of Cefadroxil Antibiotic at Carbon Nanotube/Gold Nanoparticle Modified Glassy Carbon Electrodes. <i>ChemElectroChem</i> , 2020 , 7, 2151-2158	4.3	5
41	Combination of Gold-Modified Electrode and α -Amyloglucosidase for Simultaneous Determination of Starch and Glucose. <i>Analytical Letters</i> , 2004 , 37, 1529-1543	2.2	5
40	The Influence of Artificial Body Fluids on Metallic Corrosion. <i>Key Engineering Materials</i> , 2002 , 230-232, 459-462	0.4	5
39	Polyphenazine and polytriphenylmethane redox polymer/nanomaterial-based electrochemical sensors and biosensors: a review. <i>Mikrochimica Acta</i> , 2021 , 188, 178	5.8	5
38	A novel nanostructured poly(thionine)-deep eutectic solvent/CuO nanoparticle film-modified disposable pencil graphite electrode for determination of acetaminophen in the presence of ascorbic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 1149-1157	4.4	5
37	Electrochemical and morphological characterisation of polyphenazine films on copper. <i>Applied Surface Science</i> , 2013 , 285, 380-388	6.7	4
36	Modified electrodes with Keggin-type silicotungstates and poly(brilliant cresyl blue). <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2267-2273	2.6	4
35	Electroanalytical Characterisation of Dopa Decarboxylase Inhibitors Carbidopa and Benserazide on Multiwalled Carbon Nanotube and Poly(Nile blue A) Modified Glassy Carbon Electrodes. <i>International Journal of Electrochemistry</i> , 2011 , 2011, 1-7	2.4	4
34	Sonoelectrochemistry 2009 , 399-411		4
33	Phosphonium ionic liquids as greener electrolytes for poly(vinyl chloride)-based ionic conducting polymers. <i>RSC Advances</i> , 2016 , 6, 88979-88990	3.7	4

32	Influence of ultrasound irradiation on the adsorption of bovine serum albumin on copper. <i>Journal of Applied Electrochemistry</i> , 2007 , 37, 1367-1373	2.6	3
31	Determination of the surface charge density of a mercury electrode by extrusion: a new method for correction of the faradaic component. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 468, 150-157	4.1	3
30	The influence of the halide electrolyte on the electrochemical reduction pathway of some meso-tetrasubstituted porphyrin free bases in N,N-dimethyl formamide. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 255, 199-213		3
29	Binary and ternary deep eutectic solvent mixtures: Influence on methylene blue electropolymerisation. <i>Electrochemistry Communications</i> , 2021 , 124, 106967	5.1	3
28	Electrochemical cell design for the impedance studies of chlorine evolution at DSA(□) anodes. <i>Review of Scientific Instruments</i> , 2016 , 87, 085113	1.7	3
27	New series of BODIPY dyes: Synthesis, characterization and applications in photovoltaic cells and light-emitting diodes. <i>Dyes and Pigments</i> , 2021 , 193, 109517	4.6	3
26	Ferricyanide Confined in a Protonated Amine-Functionalized Silica Film on Gold: Application to Electrocatalytic Sensing of Nitrite Ions. <i>Analytical Letters</i> , 2018 , 51, 496-511	2.2	2
25	Electrochemical determination of Cd(II) and Pb(II) in mining effluents using a bismuth-coated carbon fiber microelectrode. <i>Analytical Methods</i> , 2018 , 10, 3624-3630	3.2	2
24	Voltammetric Sensing of Amino Acids in the Presence of Cu(II) in Acidic and Alkaline Solutions. <i>Electroanalysis</i> , 2012 , 24, 1047-1055	3	2
23	Fundamentals of Electrochemistry 2009 , 223-239		2
22	Development and Interfacial Properties of Novel Polymer-Modified Carbon Film Electrodes. <i>Materials Science Forum</i> , 2006 , 514-516, 1313-1317	0.4	2
21	Polyaniline fibres as electrodes.: Electrochemical characterisation in acid solutions. <i>Electrochimica Acta</i> , 2004 , 50, 159-167	6.7	2
20	Eletrodos modificados com polímeros perfluorados e sulfonados: aplicações em análises ambientais. <i>Química Nova</i> , 2000 , 23, 805-811	1.6	2
19	Electrode Reactions in Microvolumes. <i>Comprehensive Chemical Kinetics</i> , 1999 , 37, 573-591	0.7	2
18	Highly sensitive and selective nanostructured microbiosensors for glucose and lactate simultaneous measurements in blood serum and in vivo in brain tissue.. <i>Biosensors and Bioelectronics</i> , 2021 , 199, 113874	11.8	2
17	Hybrid Nanocomposite Platform, Based on Carbon Nanotubes and Poly(Methylene Blue) Redox Polymer Synthesized in Ethaline Deep Eutectic Solvent for Electrochemical Determination of 5-Aminosalicylic Acid. <i>Sensors</i> , 2021 , 21,	3.8	2
16	Future tasks of electrochemical research. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2051-2052	2.6	1
15	Other Types of Sensors: Impedance-Based Sensors, FET Sensors, Acoustic Sensors. <i>Nanostructure Science and Technology</i> , 2014 , 351-370	0.9	1

14	DNA and Enzyme-Based Electrochemical Biosensors: Electrochemistry and AFM Surface Characterization 2013 , 105-125		1
13	Development of redox-mediated oxysilane sol-gel biosensors on carbon-film electrode substrates. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 505-512	2.9	1
12	Influence of Ultrasound on the Corrosion of Aluminium. <i>Key Engineering Materials</i> , 2002 , 230-232, 412-415	4	1
11	Electrochemical Biosensors. <i>Series in Sensors</i> , 2013 , 33-70		1
10	Pure and Applied Chemistry Diamond Jubilee Issue. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1893-1894	2.1	1
9	Resistência à corrosão das fases presentes em amálgamas dentários. <i>Eletica Quimica</i> , 2001 , 26, 125-142	2.6	1
8	Sonoelectrochemistry 2004 , 153-160		1
7	Electrochemical Sensor for Caffeine in Coffee and Beverages Using a Naphthalene Sulfonic Acid Polymer Film-Based Modified Electrode. <i>Food Analytical Methods</i> , 2021 , 14, 2386	3.4	1
6	The International Union of Pure and Applied Chemistry and its role on the world stage. <i>National Science Review</i> , 2021 , 8, nwab036	10.8	0
5	Electrosynthesis and characterisation of novel poly(Nile blue)-deep eutectic solvent/Prussian blue nanoparticle modified electrodes and their biosensing application. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 896, 115188	4.1	0
4	Magnetic-field-assisted deposition of self-assembling crystallite layers of Co-containing layered double hydroxides. <i>Chemical Communications</i> , 2021 , 57, 6899-6902	5.8	0
3	Modified Piezoelectric Surfaces 2009 , 271-287		
2	Batch Injection Analysis 107-125		
1	Bioelectroanalysis of pharmaceutical compounds 2013 , 245-267		