## JiÅÃM Barek

## List of Publications by Year in descending order

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372 papers 6,665 citations

39 h-index 110387 64 g-index

383 all docs 383 docs citations

times ranked

383

4434 citing authors

#	Article	IF	CITATIONS
1	Carbon Paste Electrodes in Modern Electroanalysis. Critical Reviews in Analytical Chemistry, 2001, 31, 311-345.	3.5	414
2	Boron-Doped Diamond Film Electrodesâ€"New Tool for Voltammetric Determination of Organic Substances. Critical Reviews in Analytical Chemistry, 2009, 39, 148-172.	3.5	261
3	Analytical Applications of Solid and Paste Amalgam Electrodes. Critical Reviews in Analytical Chemistry, 2009, 39, 189-203.	3.5	165
4	Nontraditional Electrode Materials in Environmental Analysis of Biologically Active Organic Compounds. Electroanalysis, 2007, 19, 2003-2014.	2.9	161
5	Recent Advances in Electroanalysis of Organic Compounds at Carbon Paste Electrodes. Critical Reviews in Analytical Chemistry, 2009, 39, 204-227.	3.5	146
6	Polarography and Voltammetry at Mercury Electrodes. Critical Reviews in Analytical Chemistry, 2001, 31, 291-309.	<b>3.</b> 5	134
7	Sensors for voltammetric determination of food azo dyes - A critical review. Electrochimica Acta, 2018, 260, 974-985.	5.2	117
8	Mercury Electrodes–Possibilities and Limitations in Environmental Electroanalysis. Critical Reviews in Analytical Chemistry, 2009, 39, 173-188.	<b>3.</b> 5	105
9	Influence of boron content on the morphological, spectral, and electroanalytical characteristics of anodically oxidized boron-doped diamond electrodes. Electrochimica Acta, 2017, 243, 170-182.	<b>5.</b> 2	101
10	Avaliação da contaminação humana por hidrocarbonetos policÃelicos aromáticos (HPAs) e seus derivados nitrados (NHPAs): uma revisão metodológica. Quimica Nova, 2000, 23, 765-773.	0.3	96
11	Chemical Modification of Boron-Doped Diamond Electrodes for Applications to Biosensors and Biosensing. Critical Reviews in Analytical Chemistry, 2016, 46, 248-256.	3.5	90
12	Voltammetric Determination of 4â€Nitrophenol Using a Novel Type of Silver Amalgam Paste Electrode. Electroanalysis, 2009, 21, 1786-1791.	2.9	89
13	Amalgam Electrodes in Organic Electrochemistry. Current Organic Chemistry, 2011, 15, 2957-2969.	1.6	72
14	Adsorptive Stripping Voltammetry of Environmental Carcinogens. Current Analytical Chemistry, 2008, 4, 242-249.	1.2	70
15	Silver Solid Amalgam Electrodes as Sensors for Chemical Carcinogens. Sensors, 2006, 6, 445-452.	3.8	69
16	Differential pulse voltammetric determination of paracetamol in tablet and urine samples at a micro-crystalline natural graphite–polystyrene composite film modified electrode. Electrochimica Acta, 2013, 101, 238-242.	5.2	69
17	Separation and Detection of Nitrophenols at Capillary Electrophoresis Microchips with Amperometric Detection. Electroanalysis, 2006, 18, 195-199.	2.9	64
18	Electrochemical study of 4-chloro-3-methylphenol on anodically pretreated boron-doped diamond electrode in the absence and presence of a cationic surfactant. Journal of Electroanalytical Chemistry, 2016, 771, 1-9.	3.8	62

#	Article	IF	CITATIONS
19	Electroanalysis of Nitro and Amino Derivatives of Polycyclic Aromatic Hydrocarbons. Current Organic Chemistry, 2011, 15, 3059-3076.	1.6	60
20	A critical comparison of natural enzymes and nanozymes in biosensing and bioassays. Biosensors and Bioelectronics, 2021, 192, 113494.	10.1	60
21	Boron Doped Diamond Microelectrodes and Microelectrode Arrays in Organic Electrochemistry. Current Organic Chemistry, 2011, 15, 3014-3028.	1.6	59
22	The Use of Silver Solid Amalgam Working Electrode for Determination of Nitrophenols by HPLC with Electrochemical Detection. Electroanalysis, 2009, 21, 303-308.	2.9	56
23	Electrochemical DNA biosensor for detection of DNA damage induced by hydroxyl radicals. Bioelectrochemistry, 2017, 116, 1-9.	4.6	56
24	Voltammetric Determination of Selected Nitro Compounds at a Polished Silver Solid Amalgam Composite Electrode. Electroanalysis, 2011, 23, 129-139.	2.9	55
25	Terminology of electrochemical methods of analysis (IUPAC Recommendations 2019). Pure and Applied Chemistry, 2020, 92, 641-694.	1.9	55
26	Electrochemical methods for monitoring of environmental carcinogens. Fresenius' Journal of Analytical Chemistry, 2001, 369, 556-562.	1.5	53
27	Surface modification of Au and Ag plasmonic thin films via diazonium chemistry: Evaluation of structure and properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 516, 274-285.	4.7	53
28	Analytical Applications of Composite Solid Electrodes. Critical Reviews in Analytical Chemistry, 2009, 39, 131-147.	3.5	50
29	Electrochemistry of Pesticides and its Analytical Applications. Current Organic Chemistry, 2011, 15, 2923-2935.	1.6	50
30	Interaction of $tin(II)$ and arsenic(III) with DNA at the nanostructure film modified electrodes. Bioelectrochemistry, 2007, 71, 33-37.	4.6	49
31	Eighty Years of Polarography - History and Future. Electroanalysis, 2003, 15, 467-472.	2.9	48
32	Determination of 2-Nitrophenol, 4-Nitrophenol, 2-Methoxy-5-nitrophenol, and 2,4-Dinitrophenol by Differential Pulse Voltammetry and Adsorptive Stripping Voltammetry. Collection of Czechoslovak Chemical Communications, 1994, 59, 1761-1771.	1.0	47
33	Dysgerminoma: The Role of Conservative Surgery. Gynecologic Oncology, 1996, 63, 352-357.	1.4	47
34	Critical ReviewHigh-performance liquid chromatography of nitrated polycyclic aromatic hydrocarbons. Analyst, The, 1998, 123, 9-18.	3.5	46
35	Voltammetric detection of damage to DNA caused by nitro derivatives of fluorene using an electrochemical DNA biosensor. Analytical and Bioanalytical Chemistry, 2010, 397, 233-241.	3.7	46
36	Cyclodextrin Modified Carbon Paste Based Electrodes as Sensors for the Determination of Carcinogenic Polycyclic Aromatic Amines. Electroanalysis, 2002, 14, 1668-1673.	2.9	45

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37	Simultaneous voltammetric determination of Brilliant Blue FCF and Tartrazine for food quality control. Talanta, 2020, 218, 121136.	5.5	45
38	Voltammetric Determination of Trace Amounts of 2-Methyl-4,6-Dinitrophenol at a Silver Solid Amalgam Electrode. Electroanalysis, 2006, 18, 127-130.	2.9	44
39	Determination of Total Phenols in Foods by Boron Doped Diamond Electrode. Electroanalysis, 2009, 21, 1014-1018.	2.9	43
40	Voltammetric Determination of Nitronaphthalenes at a Silver Solid Amalgam Electrode. Analytical Letters, 2009, 42, 2339-2363.	1.8	39
41	Methods for the Determination of Endocrine-Disrupting Phthalate Esters. Critical Reviews in Analytical Chemistry, 2016, 46, 146-159.	3.5	38
42	Crystallic silver amalgam – a novel electrode material. Analyst, The, 2011, 136, 3656.	3.5	37
43	Recent Applications of Mercury Electrodes for Monitoring of Pesticides: A Critical Review. Electroanalysis, 2016, 28, 2659-2671.	2.9	37
44	The use of silver solid amalgam electrode for voltammetric and amperometric determination of nitroquinolines. Electrochimica Acta, 2009, 54, 1939-1947.	5.2	36
45	Basic electrochemical properties of sputtered gold film electrodes. Electrochimica Acta, 2017, 251, 452-460.	5.2	36
46	SERS platform for detection of lipids and disease markers prepared using modification of plasmonic-active gold gratings by lipophilic moieties. Sensors and Actuators B: Chemical, 2018, 265, 182-192.	7.8	35
47	Polarographic and voltammetric determination of selected triazine-based azo dyes with different reactive groups. Analytica Chimica Acta, 1996, 320, 31-42.	5.4	34
48	Determination of resveratrol in grains, hulls and leaves of common and tartary buckwheat by HPLC with electrochemical detection at carbon paste electrode. Food Chemistry, 2011, 126, 374-378.	8.2	34
49	Simultaneous determination of tert-butylhydroquinone, propyl gallate, and butylated hydroxyanisole by flow-injection analysis with multiple-pulse amperometric detection. Talanta, 2018, 178, 231-236.	5.5	34
50	Voltammetric Determination of Phenylglyoxylic Acid in Urine Using Graphite Composite Electrode. Electroanalysis, 2006, 18, 201-206.	2.9	33
51	Voltammetric Determination of 3-Nitrofluoranthene and 3-Aminofluoranthene at Boron Doped Diamond Thin-Film Electrode. Electroanalysis, 2007, 19, 1295-1299.	2.9	33
52	Polarographic and voltammetric determination of selected nitrated polycyclic aromatic hydrocarbons. Analytica Chimica Acta, 1999, 393, 141-146.	5.4	32
53	Voltammetric determination of aminobiphenyls at a boron-doped nanocrystalline diamond film electrode. Talanta, 2007, 74, 421-426.	5.5	32
54	HPLC Determination of Naphthalene Amino Derivatives Using Electrochemical Detection at Carbon Paste Electrodes. Electroanalysis, 2007, 19, 185-190.	2.9	31

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55	Preparation and Properties of Mercury Film Electrodes on Solid Amalgam Surface. Electroanalysis, 2010, 22, 1967-1973.	2.9	31
56	Vanillylmandelic and Homovanillic acid: Electroanalysis at non-modified and polymer-modified carbon-based electrodes. Journal of Electroanalytical Chemistry, 2018, 821, 22-32.	3.8	31
57	How to Improve the Performance of Electrochemical Sensors via Minimization of Electrode Passivation. Chemosensors, 2021, 9, 12.	3.6	31
58	Electrochemical investigations of reactive dyes; polarographic determination of anthraquinone-based chlorotriazine dyes. Analytica Chimica Acta, 1995, 315, 41-54.	5.4	30
59	Determination of Nitrophenols in Drinking and River Water by Differential Pulse Voltammetry at Boronâ€Doped Diamond Film Electrode. Electroanalysis, 2011, 23, 1236-1244.	2.9	30
60	Degradation of pyrene by UV radiation. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 132, 33-36.	3.9	29
61	Voltammetric Determination of Carcinogenic Derivatives of Pyrene Using a Boron-Doped Diamond Film Electrode. Analytical Letters, 2012, 45, 449-459.	1.8	29
62	Study of Voltammetric Determination of Carcinogenic 1-Nitropyrene and 1-Aminopyrene Using a Glassy Carbon Paste Electrode. Sensors, 2004, 4, 47-57.	3.8	28
63	Association interaction and voltammetric determination of 1-aminopyrene and 1-hydroxypyrene at cyclodextrin and DNA based electrochemical sensors. Bioelectrochemistry, 2005, 67, 191-197.	4.6	28
64	Voltammetric determination of the herbicide Bifenox in drinking and river water using a silver solid amalgam electrode. Environmental Chemistry Letters, 2011, 9, 83-86.	16.2	28
65	A novel paste electrode based on a silver solid amalgam and an organic pasting liquid. Journal of Electroanalytical Chemistry, 2011, 656, 218-222.	3.8	28
66	Investigation of Voltammetric Behaviour of Insecticide Chlorpyrifos on a Mercury Meniscus Modified Silver Solid Amalgam Electrode. Electrochimica Acta, 2016, 216, 510-516.	5.2	28
67	Polarographic and Voltammetric Determination of Carcinogenic Nitro and Amino Derivatives of Polycyclic Aromatic Hydrocarbons. Electroanalysis, 2001, 13, 799-803.	2.9	27
68	Voltammetric Determination of Azidothymidine Using Silver Solid Amalgam Electrodes. Electroanalysis, 2009, 21, 1750-1757.	2.9	27
69	Voltammetric and amperometric determination of doxorubicin using carbon paste electrodes. Collection of Czechoslovak Chemical Communications, 2009, 74, 1503-1515.	1.0	27
70	Screenâ€Printed Disposable Sensors Modified with Bismuth Precursors for Rapid Voltammetric Determination of 3 Ecotoxic Nitrophenols. Electroanalysis, 2014, 26, 766-775.	2.9	27
71	Voltammetric Determination of Nitrofurantoin at a Mercury Meniscus Modified Silver Solid Amalgam Electrode. Electroanalysis, 2015, 27, 185-192.	2.9	27
72	Preparation and Investigation of Silver Nanoparticle–Antibody Bioconjugates for Electrochemical Immunoassay of Tick-Borne Encephalitis. Sensors, 2019, 19, 2103.	3.8	27

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73	Label-Free Electrochemical Biosensors for the Determination of Flaviviruses: Dengue, Zika, and Japanese Encephalitis. Sensors, 2020, 20, 4600.	3.8	27
74	Electrochemical investigations of reactive dyes; cathodic stripping voltammetric determination of anthraquinone-based chlorotriazine dyes at a hanging mercury drop electrode. Analytica Chimica Acta, 1997, 349, 101-109.	5.4	26
75	Voltammetric Determination of N,N-Dimethyl-4-amine-carboxyazobenzene at a Silver Solid Amalgam Electrode. Electroanalysis, 2003, 15, 1778-1781.	2.9	26
76	Electrochemical Behavior and Sensitive Methods of the Voltammetric Determination of Food Azo Dyes Amaranth and Allura Red AC on Amalgam Electrodes. Food Analytical Methods, 2019, 12, 409-421.	2.6	26
77	A copper nanoparticle-based electrochemical immunosensor for carbaryl detection. Talanta, 2021, 228, 122174.	5.5	26
78	Carbon Powder Based Films on Traditional Solid Electrodes as an Alternative to Disposable Electrodes. Electroanalysis, 2006, 18, 1126-1130.	2.9	25
79	Voltammetric Determination of Genotoxic Nitro Derivatives of Fluorene and 9â€Fluorenone Using a Mercury Meniscus Modified Silver Solid Amalgam Electrode. Electroanalysis, 2010, 22, 2034-2042.	2.9	25
80	Preparation and Properties of Reference Electrodes Based on Silver Paste Amalgam. Electroanalysis, 2011, 23, 2226-2231.	2.9	25
81	Voltammetric Determination of Insecticide Thiamethoxam on Silver Solid Amalgam Electrode. Electrochimica Acta, 2014, 140, 5-10.	5.2	25
82	Voltammetric Determination of Tumor Biomarkers for Neuroblastoma (Homovanillic Acid,) Tj ETQq0 0 0 rgBT /O Electroanalysis, 2017, 29, 146-153.	verlock 10 2.9	0 Tf 50 387 Td 25
83	Polarographic and voltammetric determination of triazine-based reactive azo dyes with 4-carboxypyridyl and 1,4-diazabicyclo[2,2,2]octanyl (DABCO) leaving groups. Analytica Chimica Acta, 1998, 362, 235-240.	5.4	24
84	Voltammetric and Amperometric Determination of Mixtures of Aminobiphenyls and Aminonaphthalenes Using Boron Doped Diamond Electrode. Electroanalysis, 2013, 25, 253-262.	2.9	24
85	Voltammetric Determination of 4â€Nitrophenol and 5â€Nitrobenzimidazole Using Different Types of Silver Solid Amalgam Electrodes – A Comparative Study. Electroanalysis, 2011, 23, 1548-1555.	2.9	23
86	Doxorubicin determination using two novel voltammetric approaches: A comparative study. Electrochimica Acta, 2020, 330, 135180.	5.2	23
87	Modern Electrochemical Methods for Monitoring of Chemical Carcinogens. Sensors, 2005, 5, 148-158.	3.8	22
88	Flow electrochemical biosensors based on enzymatic porous reactor and tubular detector of silver solid amalgam. Analytica Chimica Acta, 2013, 778, 24-30.	5.4	22
89	Oxidative and Reductive Detection Modes for Determination of Nitrophenols by High-Performance Liquid Chromatography with Amperometric Detection at a Boron Doped Diamond Electrode. Analytical Letters, 2016, 49, 66-79.	1.8	22
90	Electrochemical immunoassay for the detection of antibodies to tick-borne encephalitis virus by using various types of bioconjugates based on silver nanoparticles. Bioelectrochemistry, 2020, 135, 107576.	4.6	22

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91	Differential pulse voltammetric determination of homovanillic acid as a tumor biomarker in human urine after hollow fiber-based liquid-phase microextraction. Talanta, 2021, 221, 121594.	5 <b>.</b> 5	22
92	Electrochemical determination of trace amounts of environmentally important dyes. Fresenius' Journal of Analytical Chemistry, 2001, 369, 567-570.	1.5	21
93	Voltammetric and amperometric determination of N-nitroso antineoplastic drugs at mercury and amalgam electrodes. Collection of Czechoslovak Chemical Communications, 2009, 74, 1697-1713.	1.0	21
94	Amperometric Determination of Aminobiphenyls Using HPLCâ€ED with Boronâ€Doped Diamond Electrode. Electroanalysis, 2009, 21, 316-324.	2.9	21
95	Bismuth film electrode at a silver solid amalgam substrate as a new tool for voltammetric determination of electrochemically reducible organic compounds. Talanta, 2012, 102, 68-74.	5.5	21
96	Voltammetric and amperometric determination of selected dinitronaphthalenes using single crystal silver amalgam based sensors. Electrochimica Acta, 2012, 73, 23-30.	<b>5.2</b>	21
97	Voltammetric Determination of 2â€Aminofluorenâ€9â€one and Investigation of Its Interaction with DNA on a Glassy Carbon Electrode. Electroanalysis, 2015, 27, 101-110.	2.9	21
98	Non-enzymatic electrochemical approaches to cholesterol determination. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113538.	2.8	21
99	An Amperometric Detector with a Platinum Tubular Electrode for High Performance Liquid Chromatography. Electroanalysis, 2000, 12, 39-43.	2.9	20
100	DNA-Modified Screen-Printed Electrodes with Nanostructured Films of Multiwall Carbon Nanotubes, Hydroxyapatite and Montmorillonite. Electroanalysis, 2006, 18, 163-168.	2.9	20
101	The Use of Silver Solid Amalgam Electrodes for Voltammetric and Amperometric Determination of Nitrated Polyaromatic Compounds Used as Markers of Incomplete Combustion. Scientific World Journal, The, 2012, 2012, 1-12.	2.1	20
102	Construction of an Electrochemical Cell System Based on Carbon Composite Film Electrodes and its Application for Voltammetric Determination of Triclosan. Electroanalysis, 2014, 26, 1920-1927.	2.9	20
103	Antimony film electrodes for voltammetric determination of pesticide trifluralin. Journal of Electroanalytical Chemistry, 2016, 778, 1-6.	3.8	20
104	A miniaturized electrode system for voltammetric determination of electrochemically reducible environmental pollutants. Sensors and Actuators B: Chemical, 2016, 227, 263-270.	7.8	20
105	Determination of tumour biomarkers homovanillic and vanillylmandelic acid using flow injection analysis with amperometric detection at a boron doped diamond electrode. Analytica Chimica Acta, 2019, 1087, 44-50.	5.4	20
106	Chemical degradation of wastes of antineoplastic agents amsacrine, azathioprine, asparaginase and thiotepa. Annals of Occupational Hygiene, 1998, 42, 259-266.	1.9	19
107	Polarographic and Voltammetric Determination of Chemical Carcinogens. Critical Reviews in Analytical Chemistry, 2000, 30, 37-57.	3.5	19
108	Differential Pulse Voltammetric Determination of Selected Nitro ompounds on Silver, Solid Silver Composite, and Solid Graphite Composite Electrodes. Electroanalysis, 2009, 21, 309-315.	2.9	19

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109	Tubular Detector of Silver Solid Amalgam for Electrochemical Measurements in Flow Systems. Electroanalysis, 2012, 24, 2230-2234.	2.9	18
110	Determination of 1-hydroxypyrene in human urine by HPLC with electrochemical detection at a boron-doped diamond film electrode. Analytical and Bioanalytical Chemistry, 2012, 404, 693-699.	3.7	17
111	Voltammetric determination of homovanillic acid and vanillylmandelic acid on a disposable electrochemical measuring cell system with integrated carbon composite film electrodes. Monatshefte FÃ1/4r Chemie, 2016, 147, 89-96.	1.8	17
112	Flow amperometric uric acid biosensors based on different enzymatic mini-reactors: A comparative study of uricase immobilization. Sensors and Actuators B: Chemical, 2021, 344, 130252.	7.8	17
113	Polarographic and voltammetric study of genotoxic 2,7-dinitrofluoren-9-one and its determination using mercury electrodes. Collection of Czechoslovak Chemical Communications, 2009, 74, 1675-1696.	1.0	16
114	Voltammetric determination of 2-amino-6-nitrobenzothiazole at two different silver amalgam electrodes. Electrochimica Acta, 2012, 62, 335-340.	5.2	16
115	Voltammetric Study of dsDNA Modified by Multi-redox Label Based on N-methyl-4-hydrazino-7-nitrobenzofurazan. Electrochimica Acta, 2014, 129, 348-357.	5.2	16
116	Differential pulse voltammetric determination of 4-nitroaniline using a glassy carbon electrode: comparative study between cathodic and anodic quantification. Monatshefte F¾r Chemie, 2016, 147, 111-118.	1.8	16
117	Electrochemical nonenzymatic sensor for cholesterol determination in food. Analytical and Bioanalytical Chemistry, 2018, 410, 5085-5092.	3.7	16
118	Determination of three Tumor Biomarkers (Homovanillic Acid, Vanillylmandelic Acid, and) Tj ETQq0 0 0 rgBT /Ove Electroanalysis, 2019, 31, 303-308.	erlock 10 1 2.9	f 50 387 Td 16
119	A Laser Reduced Graphene Oxide Grid Electrode for the Voltammetric Determination of Carbaryl. Molecules, 2021, 26, 5050.	3.8	16
120	Determination of Roxarsone Using Carbon Paste and Amberlite LA2 Modified Carbon Paste Electrodes. Electroanalysis, 2000, 12, 1220-1226.	2.9	15
121	Thinâ€Layer and Wallâ€Jet Arrangement of Amperometric Detector with Boronâ€Doped Diamond Electrode: Comparison of Amperometric Determination of Aminobiphenyls in HPLCâ€ED. Electroanalysis, 2012, 24, 649-658.	2.9	15
122	Amperometric Determination of Catecholamines by Enzymatic Biosensors in Flow Systems. Electroanalysis, 2018, 30, 1163-1171.	2.9	15
123	Application of hollow fibre based microextraction for voltammetric determination of vanillylmandelic acid in human urine. Journal of Electroanalytical Chemistry, 2019, 835, 130-136.	3.8	15
124	Voltammetric determination of benzidine and its derivatives, at a glassy-carbon electrode. Talanta, 1986, 33, 811-815.	<b>5.</b> 5	14
125	Determination of Epinephrine at Different Types of Carbon Paste Electrodes. Analytical Letters, 2010, 43, 1367-1376.	1.8	14
126	Application of Nonâ€6topâ€Flow Differential Pulse Voltammetry at a Tubular Detector of Silver Solid Amalgam for Electrochemical Determination of Lomustine (CCNU). Electroanalysis, 2014, 26, 306-311.	2.9	14

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127	Electrochemical Biosensors Based on Enzymatic Reactor of Silver Solid Amalgam Powder for Measurements in Flow Systems. Electroanalysis, 2014, 26, 1729-1738.	2.9	14
128	Acetylcholinesterase-choline oxidase-based mini-reactors coupled with silver solid amalgam electrode for amperometric detection of acetylcholine in flow injection analysis. Journal of Electroanalytical Chemistry, 2020, 860, 113883.	3.8	14
129	HPLC Determination of Nitrated Polycyclic Aromatic Hydrocarbons after Their Reduction to Amino Derivatives. Analytical Letters, 2004, 37, 2379-2392.	1.8	13
130	Voltammetric determination of 2-amino-6-nitrobenzothiazole and 5-nitrobenzimidazole using a silver solid amalgam electrode modified by a microcrystalline natural graphite–polystyrene composite film. Journal of Electroanalytical Chemistry, 2014, 717-718, 237-242.	3.8	13
131	Model Biological Membranes and Possibilities of Application of Electrochemical Impedance Spectroscopy for their Characterization. Electroanalysis, 2018, 30, 207-219.	2.9	13
132	Simultaneous determination of tumour biomarkers homovanillic acid, vanillylmandelic acid, and 5-hydroxyindole-3-acetic acid in human urine using single run HPLC with a simple wall-jet glassy carbon electrochemical detector. Journal of Electroanalytical Chemistry, 2020, 878, 114629.	3 <b>.</b> 8	13
133	Possibilities and Limitations of Mercury and Mercury-based Electrodes in Practical Electroanalysis of Biologically Active Organic Compounds. Portugaliae Electrochimica Acta, 2013, 31, 291-295.	1.1	13
134	Cathodic stripping voltammetric behaviour of copper complexes of glycylgylcyl-l-histidine at a hanging mercury drop electrode. Analytica Chimica Acta, 1993, 278, 41-51.	5.4	12
135	VOLTAMMETRIC DETERMINATION OF 2-AMINOFLUORENE AND 2,7-DIAMINOFLUORENE USING CARBON PASTE ELECTRODE. Analytical Letters, 2002, 35, 1551-1559.	1.8	12
136	Polarographic and voltammetric determination of trace amounts of 2-nitronaphthalene. Analytical and Bioanalytical Chemistry, 2005, 381, 520-525.	3.7	12
137	A Novel Voltammetric Method for the Determination of Maleic Acid Using Silver Amalgam Paste Electrode. Electroanalysis, 2009, 21, 1719-1722.	2.9	12
138	Nanoparticles functionalized with phenylboronic acid for the potentiometric detection of saccharides. Journal of Electroanalytical Chemistry, 2016, 761, 106-111.	3.8	12
139	Non-Enzymatic Electrochemistry in Characterization and Analysis of Steroid Compounds. Critical Reviews in Analytical Chemistry, 2017, 47, 384-404.	3.5	12
140	Amperometric Biosensor Based on Enzymatic Reactor for Choline Determination in Flow Systems. Electroanalysis, 2019, 31, 1901-1912.	2.9	12
141	Adsorptive stripping voltammetric determination of carbofuran in herbs on chromatographic sorbent modified electrode. Journal of Electroanalytical Chemistry, 2021, 900, 115692.	3.8	12
142	The use of redox reactions in the analysis of dyes and dye intermediates. Microchemical Journal, 1984, 30, 404-417.	4.5	11
143	Carbonâ€Based Electrodes for Sensitive Electroanalytical Determination of Aminonaphthalenes. Electroanalysis, 2015, 27, 1556-1564.	2.9	11
144	Determination of 5-nitroindazole using silver solid amalgam electrode. Monatshefte Für Chemie, 2015, 146, 761-769.	1.8	11

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145	Voltammetric Determination of Cymoxanil and Famoxadone at Different Types of Carbon Electrodes. Electroanalysis, 2016, 28, 1029-1034.	2.9	11
146	Voltammetric Detection of Catecholamine Metabolites Using Tröger's Base Modified Electrode. Electroanalysis, 2018, 30, 734-739.	2.9	11
147	Bile acids: Electrochemical oxidation on bare electrodes after acid-induced dehydration. Electrochemistry Communications, 2018, 86, 99-103.	4.7	11
148	Redox Titrants in Nonaqueous Media. Critical Reviews in Analytical Chemistry, 1984, 15, 163-221.	3 <b>.</b> 5	11
149	Oxydation von Benzidin, 0,0'-Tolidin und 0,0'-Dianisidin mittels des Diphosphatkomplexes des dreiwertigen Mangans und des Mangan(III)-sulfats. Collection of Czechoslovak Chemical Communications, 1976, 41, 1334-1342.	1.0	11
150	Oxidation of organic substances by tervalent manganese compounds. Microchemical Journal, 1977, 22, 484-488.	4.5	10
151	The Use of Trivalent Manganese Compounds in Titrimetry. CRC Critical Reviews in Analytical Chemistry, 1980, 9, 55-95.	1.8	10
152	Monitoring of aromatic amines by hplc with electrochemical detection. Talanta, 1985, 32, 279-283.	5 <b>.</b> 5	10
153	A method for the efficient degradation of melphalan into nonmutagenic products. Microchemical Journal, 1987, 36, 192-197.	4.5	10
154	DETERMINATION OF AMINO DERIVATIVES OF POLYCYCLIC AROMATIC HYDROCARBONS USING CAPILLARY ELECTROPHORESIS. Analytical Letters, 2001, 34, 1369-1375.	1.8	10
155	Voltammetric Determination of Carcinogenic Nitrobiphenyls at a Hanging Mercury Drop Electrode. Sensors, 2003, 3, 43-60.	3.8	10
156	Voltammetric Determination of Selected Aminoquinolines Using Carbon Paste Electrode. Electroanalysis, 2006, 18, 158-162.	2.9	10
157	Voltammetric and amperometric determination of 2,4-dinitrophenol metabolites. Talanta, 2011, 85, 2594-2598.	5 <b>.</b> 5	10
158	Voltammetric Determination of Trace Amounts of 2â€Aminofluorenâ€9â€one at a Mercury Meniscus Modified Silver Solid Amalgam Electrode. Electroanalysis, 2013, 25, 295-302.	2.9	10
159	New flow-through coulometric detector with renewable working electrode material for flow injection analysis and HPLC. Electrochimica Acta, 2015, 154, 397-403.	<b>5.</b> 2	10
160	Voltammetric Determination of 5-nitroindazole using a Bismuth Bulk Electrode. Analytical Letters, 2016, 49, 49-55.	1.8	10
161	Voltammetric and amperometric determination of selected catecholamine metabolites using glassy carbon paste electrode. Monatshefte Fýr Chemie, 2017, 148, 511-515.	1.8	10
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